

# ANNUAL ESTIMATES OF ASIAN DISTORTIONS TO AGRICULTURAL INCENTIVES

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This compilation summarizes the estimates for the focus countries of Asia key distortion indicators defined in Anderson et al. (2008). These tables appear also in an Appendix in Anderson and Martin (2008).

Three tables are provided for each country: (a) the Nominal Rate of Assistance to individual farm products covered in the study and their weighted average, using as weights production valued at undistorted prices; (b) the Relative Rate of Assistance to producers of agricultural (relative to non-agricultural) tradables, again using as weights production valued at undistorted prices, and the component parts of the RRA calculation; and (c) the weights themselves for individual covered farm products and for the residual non-covered group of products, shown as percentages and so they sum to 100 percent.

The Nominal Rate of Assistance (NRA) in the case of a product having just its output price distorted by government policies is the percentage by which the domestic producer price exceeds the price that would prevail under free markets, that is, the border price appropriately adjusted to account for differences in product quality, transport costs, processing costs, etc. A negative value indicates the domestic price is below that comparable border price. If producers of that product also are affected by distortions to product-specific input prices, their ad valorem equivalent is accounted for by subtracting the ad valorem input price distortion times its input-output coefficient from the farm industry's output NRA to get the total nominal rate of assistance to production of that farm product.

The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

The *Sources* of these tables are the Working Paper version of the chapters in Anderson and Martin (2008) (and its associated spreadsheet), each of which is

downloadable in the Working Paper section of the project's website, [www.worldbank.org/agdistortions](http://www.worldbank.org/agdistortions). Also available at that website is the complete global distortions database (Anderson and Valenzuela 2008). The references are provided below.

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Table 1: Annual distortion estimates, **Korea**, 1955 to 2004  
(a) Nominal rates of assistance to covered products  
(percent)

|      | Barley | Beef | Cabbage | Egg | Garlic | Milk | Pepper | Pigmeat | Poultry | Rice | Soybean | Wheat | All covered |
|------|--------|------|---------|-----|--------|------|--------|---------|---------|------|---------|-------|-------------|
| 1955 | -11    | 7    | na      | na  | na     | na   | na     | na      | na      | -42  | -33     | -56   | -38         |
| 1956 | 36     | 36   | na      | na  | na     | na   | na     | na      | na      | -6   | -28     | -41   | -3          |
| 1957 | 90     | 54   | na      | na  | na     | na   | na     | -15     | na      | 26   | -5      | -32   | 28          |
| 1958 | 63     | 62   | na      | -16 | na     | na   | na     | 29      | na      | -6   | -11     | -43   | 3           |
| 1959 | 27     | 35   | na      | -38 | na     | na   | na     | -8      | na      | -12  | 12      | -43   | -7          |
| 1960 | 65     | 53   | na      | -45 | na     | na   | na     | -2      | na      | -4   | 29      | -41   | 1           |
| 1961 | 19     | -3   | na      | -50 | na     | na   | na     | -41     | -33     | -44  | -33     | -56   | -36         |
| 1962 | 19     | 21   | na      | -40 | na     | na   | na     | 16      | -13     | -44  | -23     | -45   | -32         |
| 1963 | 144    | 61   | na      | -13 | na     | na   | na     | 68      | 12      | 25   | 61      | -8    | 36          |
| 1964 | 171    | 40   | na      | 25  | na     | na   | na     | 67      | 62      | 32   | 60      | 16    | 52          |
| 1965 | 61     | 39   | na      | 25  | na     | na   | na     | 108     | 81      | -2   | 44      | -19   | 16          |
| 1966 | 43     | 26   | na      | 24  | na     | na   | na     | 114     | 81      | -10  | 55      | -15   | 7           |
| 1967 | 68     | 30   | na      | 34  | na     | 105  | na     | 145     | 134     | -14  | 104     | -10   | 10          |
| 1968 | 85     | 87   | na      | 30  | na     | 210  | na     | 235     | 203     | -11  | 38      | -6    | 19          |
| 1969 | 105    | 143  | na      | 2   | na     | 205  | na     | 191     | 158     | 9    | 53      | -6    | 32          |
| 1970 | 144    | 119  | na      | 28  | na     | 216  | na     | 207     | 152     | 39   | 131     | 10    | 64          |
| 1971 | 149    | 120  | na      | 9   | na     | 133  | na     | 286     | 153     | 63   | 76      | 17    | 82          |
| 1972 | 198    | 85   | na      | -8  | na     | 41   | na     | 222     | 80      | 88   | 102     | 25    | 95          |
| 1973 | 74     | 18   | na      | -7  | na     | 60   | na     | 193     | 52      | 11   | 48      | -20   | 23          |
| 1974 | 36     | 28   | na      | -21 | na     | 94   | na     | 112     | 80      | -44  | 43      | -31   | -27         |
| 1975 | 59     | 80   | na      | -17 | na     | 133  | na     | 154     | 107     | -4   | 59      | -20   | 13          |
| 1976 | 76     | 128  | na      | -14 | na     | 187  | na     | 189     | 144     | 48   | 108     | -4    | 60          |
| 1977 | 112    | 218  | na      | -11 | na     | 189  | na     | 169     | 182     | 65   | 118     | 53    | 76          |
| 1978 | 131    | 224  | na      | -2  | na     | 175  | na     | 270     | 212     | 66   | 174     | 61    | 89          |
| 1979 | 129    | 162  | na      | 6   | na     | 261  | na     | 232     | 164     | 123  | 152     | 42    | 131         |
| 1980 | 57     | 137  | na      | 12  | na     | 223  | na     | 181     | 90      | 109  | 199     | 89    | 112         |
| 1981 | 125    | 186  | na      | 4   | na     | 194  | na     | 285     | 122     | 98   | 252     | 86    | 119         |
| 1982 | 170    | 190  | na      | 8   | na     | 169  | na     | 196     | 90      | 122  | 290     | 92    | 131         |
| 1983 | 241    | 159  | na      | 36  | na     | 153  | na     | 106     | 87      | 130  | 292     | 110   | 129         |
| 1984 | 238    | 144  | na      | 14  | na     | 160  | na     | 78      | 82      | 133  | 232     | 84    | 123         |
| 1985 | 293    | 68   | na      | 23  | na     | 128  | na     | 164     | 75      | 169  | 275     | 69    | 144         |
| 1986 | 399    | 97   | 30      | 11  | 250    | 211  | 175    | 144     | 64      | 196  | 302     | 99    | 158         |
| 1987 | 417    | 93   | 30      | 3   | 250    | 238  | 175    | 100     | 57      | 222  | 415     | 171   | 161         |
| 1988 | 336    | 178  | 30      | 7   | 250    | 162  | 175    | 119     | 112     | 226  | 410     | 204   | 177         |
| 1989 | 341    | 195  | 30      | 54  | 250    | 187  | 175    | 97      | 126     | 259  | 407     | 178   | 195         |
| 1990 | 363    | 207  | 30      | 39  | 250    | 152  | 175    | 190     | 142     | 276  | 459     | 222   | 209         |
| 1991 | 494    | 223  | 30      | 9   | 250    | 289  | 175    | 172     | 136     | 254  | 461     | 265   | 200         |
| 1992 | 461    | 206  | 30      | 40  | 250    | 158  | 175    | 95      | 138     | 254  | 508     | 201   | 184         |
| 1993 | 534    | 171  | 30      | 12  | 310    | 197  | 281    | 116     | 165     | 283  | 554     | 195   | 198         |
| 1994 | 769    | 197  | 30      | 39  | 383    | 222  | 421    | 173     | 198     | 262  | 559     | 197   | 219         |
| 1995 | 632    | 223  | 30      | 59  | 210    | 154  | 204    | 130     | 171     | 340  | 734     | 200   | 214         |
| 1996 | 403    | 200  | 29      | 15  | 44     | 128  | 108    | 138     | 185     | 336  | 604     | 134   | 186         |
| 1997 | 635    | 144  | 29      | 17  | 232    | 147  | 153    | 88      | 161     | 284  | 453     | 99    | 177         |
| 1998 | 449    | 71   | 29      | 7   | 373    | 118  | 87     | 60      | 135     | 199  | 393     | 64    | 127         |
| 1999 | 596    | 162  | 29      | 35  | 207    | 157  | 176    | 166     | 206     | 313  | 945     | 116   | 210         |
| 2000 | 740    | 139  | 28      | 30  | 30     | 205  | 192    | 124     | 220     | 390  | 908     | 157   | 216         |
| 2001 | 412    | 175  | 28      | 42  | 8      | 105  | 221    | 93      | 201     | 374  | 702     | 137   | 194         |
| 2002 | 561    | 254  | 28      | 40  | 88     | 154  | 144    | 122     | 164     | 422  | 780     | 130   | 221         |
| 2003 | 572    | 142  | 27      | 55  | 205    | 139  | 267    | 134     | 131     | 395  | 750     | 129   | 211         |
| 2004 | 528    | 129  | 27      | 105 | 282    | 145  | 162    | 199     | 180     | 350  | 647     | 124   | 226         |

Table 1 (continued): Annual distortion estimates, **Korea**, 1955 to 2004  
 (b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup>  
 and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural  
 industries  
 (percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Exportables      | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1955 | 0                | -38     | -19                  | -28                     | nap              | -36              | -36 | 48               | -57 |
| 1956 | 0                | -3      | 1                    | -2                      | nap              | -2               | -2  | 35               | -27 |
| 1957 | 0                | 28      | 11                   | 17                      | nap              | 26               | 26  | 35               | -6  |
| 1958 | 0                | 3       | 2                    | 2                       | nap              | 3                | 3   | 41               | -27 |
| 1959 | 0                | -7      | -4                   | -5                      | nap              | -7               | -7  | 69               | -45 |
| 1960 | 0                | 1       | 0                    | 1                       | nap              | 1                | 1   | 66               | -39 |
| 1961 | 0                | -36     | -17                  | -27                     | nap              | -33              | -33 | 37               | -51 |
| 1962 | 0                | -32     | -15                  | -23                     | nap              | -29              | -29 | 34               | -47 |
| 1963 | 0                | 36      | 15                   | 27                      | nap              | 35               | 35  | 26               | 7   |
| 1964 | 0                | 52      | 21                   | 42                      | nap              | 51               | 51  | 23               | 23  |
| 1965 | 0                | 16      | 7                    | 13                      | nap              | 15               | 15  | 27               | -9  |
| 1966 | 0                | 7       | 4                    | 6                       | nap              | 7                | 7   | 23               | -13 |
| 1967 | 0                | 10      | 5                    | 8                       | nap              | 9                | 9   | 23               | -11 |
| 1968 | 0                | 19      | 10                   | 15                      | nap              | 19               | 19  | 21               | -2  |
| 1969 | 0                | 32      | 15                   | 25                      | nap              | 31               | 31  | 18               | 11  |
| 1970 | 0                | 64      | 25                   | 48                      | nap              | 61               | 61  | 17               | 38  |
| 1971 | 0                | 82      | 31                   | 61                      | nap              | 78               | 78  | 12               | 59  |
| 1972 | 0                | 95      | 33                   | 72                      | nap              | 90               | 90  | 12               | 70  |
| 1973 | 0                | 23      | 10                   | 18                      | nap              | 22               | 22  | 9                | 12  |
| 1974 | 0                | -27     | -8                   | -21                     | nap              | -23              | -23 | 8                | -29 |
| 1975 | 0                | 13      | 6                    | 10                      | nap              | 12               | 12  | 9                | 2   |
| 1976 | 0                | 60      | 27                   | 48                      | nap              | 58               | 58  | 11               | 43  |
| 1977 | 0                | 76      | 35                   | 59                      | nap              | 75               | 75  | 17               | 50  |
| 1978 | 0                | 89      | 38                   | 66                      | nap              | 85               | 85  | 12               | 65  |
| 1979 | 0                | 131     | 52                   | 98                      | nap              | 127              | 127 | 10               | 106 |
| 1980 | 0                | 112     | 44                   | 79                      | nap              | 105              | 105 | 8                | 90  |
| 1981 | 0                | 119     | 48                   | 90                      | nap              | 114              | 114 | 6                | 101 |
| 1982 | 0                | 131     | 52                   | 96                      | nap              | 125              | 125 | 7                | 111 |
| 1983 | 0                | 129     | 53                   | 93                      | nap              | 123              | 123 | 7                | 108 |
| 1984 | 0                | 123     | 52                   | 89                      | nap              | 117              | 117 | 6                | 104 |
| 1985 | 0                | 144     | 59                   | 101                     | nap              | 136              | 136 | 6                | 124 |
| 1986 | 0                | 158     | 69                   | 126                     | nap              | 156              | 156 | 6                | 141 |
| 1987 | 0                | 161     | 67                   | 125                     | nap              | 155              | 155 | 6                | 140 |
| 1988 | 0                | 177     | 69                   | 138                     | nap              | 169              | 169 | 6                | 155 |
| 1989 | 0                | 195     | 70                   | 141                     | nap              | 180              | 180 | 4                | 169 |
| 1990 | 0                | 209     | 76                   | 155                     | nap              | 196              | 196 | 4                | 185 |
| 1991 | 0                | 200     | 77                   | 145                     | nap              | 187              | 187 | 4                | 177 |
| 1992 | 0                | 184     | 81                   | 143                     | nap              | 179              | 179 | 3                | 170 |
| 1993 | 0                | 198     | 96                   | 153                     | nap              | 200              | 200 | 3                | 192 |
| 1994 | 0                | 219     | 109                  | 168                     | nap              | 226              | 226 | 3                | 217 |
| 1995 | 0                | 214     | 87                   | 148                     | nap              | 198              | 198 | 2                | 191 |
| 1996 | 0                | 186     | 50                   | 117                     | nap              | 145              | 145 | 3                | 139 |
| 1997 | 0                | 177     | 77                   | 129                     | nap              | 164              | 164 | 2                | 158 |
| 1998 | 0                | 127     | 75                   | 105                     | nap              | 129              | 129 | 2                | 124 |
| 1999 | 0                | 210     | 83                   | 150                     | nap              | 188              | 188 | 2                | 183 |
| 2000 | 0                | 216     | 60                   | 133                     | nap              | 166              | 166 | 2                | 161 |
| 2001 | 0                | 194     | 56                   | 123                     | nap              | 150              | 150 | 2                | 145 |
| 2002 | 0                | 221     | 66                   | 133                     | nap              | 168              | 168 | 2                | 163 |
| 2003 | 0                | 211     | 85                   | 142                     | nap              | 181              | 181 | 2                | 176 |
| 2004 | 0                | 226     | 91                   | 155                     | nap              | 196              | 196 | 1                | 191 |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

Table 1 (continued): Annual distortion estimates, **Korea**, 1955 to 2004  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Barley | Beef | Cabbage | Egg | Garlic | Milk | Pepper | Pigmeat | Poultry | Rice | Soybean | Wheat | Non-covered |
|------|--------|------|---------|-----|--------|------|--------|---------|---------|------|---------|-------|-------------|
| 1955 | 5      | 1    | 0       | 0   | 0      | 0    | 0      | 3       | 0       | 37   | 1       | 1     | 51          |
| 1956 | 6      | 1    | 0       | 0   | 0      | 0    | 0      | 4       | 0       | 30   | 1       | 1     | 57          |
| 1957 | 4      | 1    | 0       | 0   | 0      | 0    | 0      | 3       | 0       | 29   | 1       | 1     | 61          |
| 1958 | 4      | 1    | 0       | 1   | 0      | 0    | 0      | 3       | 0       | 34   | 1       | 1     | 56          |
| 1959 | 5      | 2    | 0       | 2   | 0      | 0    | 0      | 4       | 1       | 32   | 1       | 1     | 53          |
| 1960 | 4      | 2    | 0       | 3   | 0      | 0    | 0      | 3       | 1       | 31   | 1       | 1     | 54          |
| 1961 | 6      | 1    | 0       | 1   | 0      | 0    | 0      | 2       | 1       | 38   | 1       | 1     | 49          |
| 1962 | 7      | 1    | 0       | 2   | 0      | 0    | 0      | 1       | 1       | 37   | 1       | 1     | 50          |
| 1963 | 5      | 1    | 0       | 2   | 0      | 0    | 0      | 1       | 1       | 46   | 1       | 1     | 42          |
| 1964 | 9      | 2    | 0       | 2   | 0      | 0    | 0      | 2       | 1       | 50   | 2       | 1     | 31          |
| 1965 | 11     | 2    | 0       | 2   | 0      | 0    | 0      | 2       | 1       | 44   | 2       | 1     | 36          |
| 1966 | 11     | 2    | 0       | 2   | 0      | 0    | 0      | 2       | 1       | 46   | 1       | 1     | 35          |
| 1967 | 9      | 2    | 0       | 2   | 0      | 0    | 0      | 2       | 1       | 45   | 1       | 1     | 37          |
| 1968 | 10     | 2    | 0       | 2   | 0      | 0    | 0      | 1       | 1       | 45   | 2       | 1     | 36          |
| 1969 | 7      | 2    | 0       | 4   | 0      | 0    | 0      | 2       | 1       | 46   | 1       | 1     | 36          |
| 1970 | 7      | 2    | 0       | 4   | 0      | 0    | 0      | 2       | 1       | 39   | 1       | 1     | 41          |
| 1971 | 8      | 3    | 0       | 5   | 0      | 0    | 0      | 2       | 1       | 38   | 2       | 1     | 40          |
| 1972 | 7      | 3    | 0       | 6   | 0      | 0    | 0      | 2       | 2       | 39   | 2       | 1     | 38          |
| 1973 | 7      | 4    | 0       | 4   | 0      | 0    | 0      | 2       | 1       | 42   | 2       | 0     | 38          |
| 1974 | 4      | 2    | 0       | 3   | 0      | 0    | 0      | 1       | 1       | 51   | 1       | 0     | 35          |
| 1975 | 7      | 3    | 0       | 4   | 0      | 0    | 0      | 2       | 1       | 49   | 1       | 0     | 32          |
| 1976 | 7      | 3    | 0       | 4   | 0      | 0    | 0      | 2       | 1       | 43   | 1       | 0     | 37          |
| 1977 | 3      | 2    | 0       | 5   | 0      | 0    | 0      | 3       | 1       | 44   | 2       | 0     | 40          |
| 1978 | 3      | 2    | 0       | 4   | 0      | 1    | 0      | 3       | 1       | 41   | 1       | 0     | 44          |
| 1979 | 4      | 5    | 0       | 4   | 0      | 1    | 0      | 5       | 1       | 39   | 1       | 0     | 40          |
| 1980 | 3      | 5    | 0       | 4   | 0      | 1    | 0      | 6       | 2       | 31   | 1       | 0     | 47          |
| 1981 | 2      | 5    | 0       | 4   | 0      | 1    | 0      | 5       | 1       | 40   | 1       | 0     | 41          |
| 1982 | 2      | 4    | 0       | 4   | 0      | 1    | 0      | 6       | 1       | 36   | 1       | 0     | 43          |
| 1983 | 2      | 4    | 0       | 4   | 0      | 2    | 0      | 7       | 2       | 33   | 1       | 0     | 46          |
| 1984 | 2      | 5    | 0       | 4   | 0      | 2    | 0      | 7       | 2       | 31   | 1       | 0     | 46          |
| 1985 | 1      | 7    | 0       | 4   | 0      | 2    | 0      | 6       | 2       | 28   | 1       | 0     | 48          |
| 1986 | 1      | 7    | 3       | 4   | 2      | 2    | 4      | 6       | 3       | 31   | 1       | 0     | 36          |
| 1987 | 1      | 7    | 4       | 5   | 1      | 2    | 3      | 6       | 3       | 27   | 1       | 0     | 38          |
| 1988 | 1      | 5    | 5       | 4   | 2      | 3    | 4      | 6       | 3       | 30   | 1       | 0     | 36          |
| 1989 | 1      | 4    | 5       | 4   | 2      | 3    | 1      | 6       | 3       | 26   | 1       | 0     | 44          |
| 1990 | 1      | 4    | 4       | 4   | 3      | 4    | 2      | 7       | 3       | 26   | 1       | 0     | 41          |
| 1991 | 1      | 5    | 4       | 5   | 3      | 2    | 3      | 7       | 3       | 23   | 0       | 0     | 45          |
| 1992 | 1      | 6    | 3       | 4   | 3      | 3    | 5      | 9       | 3       | 22   | 0       | 0     | 40          |
| 1993 | 1      | 6    | 3       | 4   | 2      | 3    | 3      | 10      | 3       | 19   | 0       | 0     | 44          |
| 1994 | 0      | 6    | 4       | 4   | 2      | 3    | 2      | 8       | 3       | 21   | 0       | 0     | 46          |
| 1995 | 0      | 5    | 3       | 4   | 4      | 3    | 4      | 8       | 3       | 15   | 0       | 0     | 52          |
| 1996 | 0      | 4    | 3       | 4   | 4      | 3    | 5      | 7       | 3       | 16   | 0       | 0     | 51          |
| 1997 | 0      | 5    | 3       | 4   | 2      | 3    | 3      | 9       | 3       | 19   | 0       | 0     | 48          |
| 1998 | 0      | 6    | 3       | 5   | 2      | 3    | 4      | 10      | 3       | 21   | 0       | 0     | 43          |
| 1999 | 0      | 6    | 3       | 4   | 2      | 3    | 3      | 9       | 3       | 19   | 0       | 0     | 47          |
| 2000 | 0      | 5    | 3       | 3   | 3      | 3    | 3      | 7       | 2       | 16   | 0       | 0     | 54          |
| 2001 | 0      | 4    | 3       | 4   | 4      | 4    | 3      | 8       | 2       | 16   | 0       | 0     | 51          |
| 2002 | 0      | 3    | 3       | 4   | 2      | 4    | 3      | 8       | 3       | 13   | 0       | 0     | 56          |
| 2003 | 0      | 5    | 4       | 4   | 1      | 4    | 2      | 9       | 3       | 14   | 0       | 0     | 55          |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)

Table 2: Annual distortion estimates, **Taiwan**, 1955 to 2002  
(a) Nominal rates of assistance to covered products  
(percent)

|      | Beef | Egg | Pigmeat | Poultry | Rice | Wheat | All |
|------|------|-----|---------|---------|------|-------|-----|
| 1955 | -23  | 0   | -39     | -68     | -49  | 96    | -47 |
| 1956 | 52   | 0   | 10      | -37     | -11  | 31    | -6  |
| 1957 | 47   | 0   | 9       | -30     | -3   | 38    | 1   |
| 1958 | -10  | 0   | -20     | -55     | -48  | 53    | -41 |
| 1959 | 3    | 0   | -1      | -46     | -37  | 23    | -25 |
| 1960 | 20   | 0   | 14      | -34     | -9   | 31    | -3  |
| 1961 | 49   | 0   | 24      | -14     | 3    | 34    | 8   |
| 1962 | 48   | 0   | 73      | 2       | -13  | 32    | 2   |
| 1963 | 51   | 0   | 120     | 4       | -7   | 41    | 16  |
| 1964 | 39   | 0   | 88      | 25      | -7   | 42    | 13  |
| 1965 | 66   | 0   | 118     | 20      | -8   | 43    | 16  |
| 1966 | 51   | 0   | 112     | 14      | -14  | 30    | 11  |
| 1967 | 4    | 0   | 87      | 18      | -21  | 36    | 2   |
| 1968 | 0    | 0   | 113     | 31      | -24  | 43    | 2   |
| 1969 | 24   | 0   | 69      | 23      | -21  | 45    | 1   |
| 1970 | 14   | 0   | 82      | 19      | 0    | 55    | 21  |
| 1971 | 29   | 0   | 109     | 29      | 0    | 39    | 31  |
| 1972 | 50   | 0   | 114     | 39      | 2    | 65    | 35  |
| 1973 | -4   | 0   | 111     | 27      | -24  | 8     | 16  |
| 1974 | 22   | 0   | 74      | 22      | -25  | -6    | 0   |
| 1975 | 105  | 0   | 125     | 22      | -15  | 0     | 15  |
| 1976 | 73   | 0   | 57      | 20      | 3    | 29    | 20  |
| 1977 | 89   | 0   | 45      | 42      | -10  | 84    | 13  |
| 1978 | 91   | 0   | 49      | 35      | -19  | 90    | 9   |
| 1979 | 41   | 0   | 28      | 31      | 3    | 83    | 15  |
| 1980 | 54   | 0   | 46      | 39      | 17   | 81    | 29  |
| 1981 | 72   | 0   | 48      | 65      | 8    | 81    | 27  |
| 1982 | 75   | 0   | 44      | 63      | 29   | 115   | 37  |
| 1983 | 88   | 1   | 41      | 85      | 46   | na    | 46  |
| 1984 | 96   | 2   | 33      | 66      | 63   | na    | 47  |
| 1985 | 95   | 9   | 41      | 57      | 73   | na    | 53  |
| 1986 | 104  | 19  | 56      | 70      | 84   | na    | 64  |
| 1987 | 108  | 17  | 72      | 87      | 110  | na    | 81  |
| 1988 | 102  | 27  | 90      | 98      | 108  | na    | 93  |
| 1989 | 97   | 61  | 123     | 110     | 142  | na    | 122 |
| 1990 | 97   | 9   | 112     | 107     | 146  | na    | 112 |
| 1991 | 97   | -1  | 76      | 112     | 144  | na    | 93  |
| 1992 | 95   | 41  | 93      | 149     | 170  | na    | 115 |
| 1993 | 99   | 30  | 100     | 168     | 191  | na    | 126 |
| 1994 | 106  | 40  | 138     | 178     | 156  | na    | 140 |
| 1995 | 66   | 33  | 108     | 167     | 208  | na    | 131 |
| 1996 | 97   | 2   | 124     | 167     | 174  | na    | 126 |
| 1997 | 101  | -1  | 94      | 195     | 149  | na    | 114 |
| 1998 | 85   | 11  | 108     | 242     | 134  | na    | 128 |
| 1999 | 63   | 44  | 221     | 372     | 174  | na    | 212 |
| 2000 | 44   | 33  | 201     | 347     | 189  | na    | 202 |
| 2001 | 95   | 22  | 168     | 254     | 195  | na    | 169 |
| 2002 | 79   | 19  | 150     | 237     | 226  | na    | 164 |



Table 2 (continued): Annual distortion estimates, **Taiwan**, 1955 to 2002  
 (b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup>  
 and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural  
 industries  
 (percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Exportables      | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1955 | 0                | -47     | 0                    | -22                     | -35              | -7               | -30 | 7                | -35 |
| 1956 | 0                | -6      | 0                    | -3                      | -4               | -3               | -4  | 8                | -11 |
| 1957 | 0                | 1       | 0                    | 0                       | 1                | -2               | 0   | 8                | -7  |
| 1958 | 0                | -41     | 0                    | -20                     | -31              | -3               | -27 | 10               | -33 |
| 1959 | 0                | -25     | 0                    | -14                     | -21              | -3               | -18 | 10               | -26 |
| 1960 | 0                | -3      | 0                    | -1                      | -2               | -1               | -2  | 9                | -10 |
| 1961 | 0                | 8       | 0                    | 4                       | 7                | -1               | 5   | 9                | -3  |
| 1962 | 0                | 2       | 0                    | 1                       | 1                | 1                | 1   | 10               | -8  |
| 1963 | 0                | 16      | 0                    | 8                       | 13               | 1                | 11  | 9                | 1   |
| 1964 | 0                | 13      | 0                    | 6                       | 10               | 2                | 8   | 9                | -1  |
| 1965 | 0                | 16      | 0                    | 7                       | 12               | 2                | 10  | 9                | 0   |
| 1966 | 0                | 11      | 0                    | 5                       | 8                | 2                | 7   | 10               | -2  |
| 1967 | 0                | 2       | 0                    | 1                       | 1                | 2                | 1   | 8                | -7  |
| 1968 | 0                | 2       | 0                    | 1                       | 1                | 3                | 1   | 9                | -7  |
| 1969 | 0                | 1       | 0                    | 1                       | 0                | 3                | 1   | 8                | -7  |
| 1970 | 0                | 21      | 0                    | 10                      | 16               | 2                | 13  | 8                | 5   |
| 1971 | 0                | 31      | 0                    | 14                      | 23               | 3                | 18  | 7                | 10  |
| 1972 | 0                | 35      | 0                    | 16                      | 26               | 5                | 20  | 8                | 11  |
| 1973 | 0                | 16      | 0                    | 7                       | 12               | 3                | 9   | 8                | 1   |
| 1974 | 0                | 0       | 0                    | 0                       | -1               | 3                | 0   | 7                | -6  |
| 1975 | 0                | 15      | 0                    | 7                       | 12               | 3                | 9   | 7                | 2   |
| 1976 | 0                | 20      | 0                    | 10                      | 16               | 4                | 13  | 7                | 6   |
| 1977 | 0                | 13      | 0                    | 7                       | 9                | 8                | 8   | 7                | 1   |
| 1978 | 0                | 9       | 0                    | 4                       | 5                | 6                | 5   | 7                | -2  |
| 1979 | 0                | 15      | 0                    | 7                       | 10               | 5                | 9   | 7                | 2   |
| 1980 | 0                | 29      | 0                    | 12                      | 21               | 6                | 15  | 5                | 9   |
| 1981 | 0                | 27      | 0                    | 11                      | 17               | 9                | 14  | 5                | 8   |
| 1982 | 0                | 37      | 0                    | 14                      | 25               | 8                | 19  | 5                | 13  |
| 1983 | 0                | 46      | 0                    | 19                      | 31               | 12               | 23  | 5                | 17  |
| 1984 | 0                | 47      | 0                    | 19                      | 33               | 10               | 23  | 5                | 17  |
| 1985 | 0                | 53      | 0                    | 20                      | 37               | 9                | 25  | 5                | 19  |
| 1986 | 0                | 64      | 0                    | 23                      | 44               | 11               | 29  | 5                | 23  |
| 1987 | 0                | 81      | 0                    | 26                      | 53               | 13               | 33  | 5                | 27  |
| 1988 | 0                | 93      | 0                    | 28                      | 58               | 13               | 35  | 4                | 30  |
| 1989 | 0                | 122     | 0                    | 38                      | 53               | 45               | 47  | 4                | 41  |
| 1990 | 0                | 112     | 0                    | 41                      | 60               | 45               | 50  | 4                | 45  |
| 1991 | 0                | 93      | 0                    | 34                      | 57               | 34               | 41  | 3                | 37  |
| 1992 | 0                | 115     | 0                    | 37                      | 56               | 40               | 45  | 2                | 41  |
| 1993 | 0                | 126     | 0                    | 38                      | 61               | 41               | 46  | 2                | 43  |
| 1994 | 0                | 140     | 0                    | 41                      | 51               | 50               | 50  | 2                | 47  |
| 1995 | 0                | 131     | 0                    | 39                      | 60               | 43               | 47  | 2                | 45  |
| 1996 | 0                | 126     | 0                    | 42                      | 55               | 48               | 50  | 2                | 47  |
| 1997 | 0                | 114     | 0                    | 43                      | 58               | 48               | 50  | 2                | 48  |
| 1998 | 0                | 128     | 0                    | 45                      | 51               | 54               | 53  | 2                | 50  |
| 1999 | 0                | 212     | 0                    | 63                      | 61               | 79               | 74  | 2                | 72  |
| 2000 | 0                | 202     | 0                    | 69                      | 70               | 83               | 80  | 1                | 78  |
| 2001 | 0                | 169     | 0                    | 60                      | 66               | 70               | 69  | 1                | 67  |
| 2002 | 0                | 164     | 0                    | 55                      | 75               | 60               | 63  | 1                | 62  |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

Table 2 (continued): Annual distortion estimates, **Taiwan**, 1955 to 2002 (c) Value shares of primary production of covered<sup>a</sup> and non-covered products, (percent)

|      | Beef | Egg | Pigmeat | Poultry | Rice | Wheat | Non-covered |
|------|------|-----|---------|---------|------|-------|-------------|
| 1955 | 0    | 0   | 12      | 1       | 34   | 0     | 52          |
| 1956 | 0    | 0   | 15      | 1       | 40   | 0     | 43          |
| 1957 | 0    | 0   | 16      | 1       | 35   | 0     | 48          |
| 1958 | 0    | 0   | 12      | 1       | 36   | 0     | 50          |
| 1959 | 0    | 1   | 17      | 1       | 37   | 0     | 43          |
| 1960 | 0    | 1   | 13      | 1       | 33   | 0     | 53          |
| 1961 | 0    | 1   | 13      | 2       | 35   | 0     | 49          |
| 1962 | 0    | 1   | 8       | 1       | 40   | 0     | 49          |
| 1963 | 0    | 1   | 9       | 2       | 38   | 0     | 50          |
| 1964 | 0    | 1   | 9       | 1       | 35   | 0     | 54          |
| 1965 | 0    | 1   | 9       | 1       | 36   | 0     | 53          |
| 1966 | 0    | 1   | 9       | 1       | 37   | 0     | 52          |
| 1967 | 0    | 1   | 10      | 2       | 37   | 0     | 51          |
| 1968 | 0    | 1   | 9       | 1       | 39   | 0     | 50          |
| 1969 | 0    | 1   | 11      | 2       | 35   | 0     | 50          |
| 1970 | 0    | 1   | 12      | 2       | 32   | 0     | 53          |
| 1971 | 0    | 1   | 12      | 2       | 29   | 0     | 55          |
| 1972 | 0    | 2   | 12      | 3       | 28   | 0     | 55          |
| 1973 | 0    | 1   | 12      | 3       | 29   | 0     | 54          |
| 1974 | 0    | 1   | 12      | 2       | 38   | 0     | 46          |
| 1975 | 0    | 2   | 10      | 2       | 36   | 0     | 50          |
| 1976 | 0    | 2   | 15      | 3       | 31   | 0     | 49          |
| 1977 | 0    | 2   | 17      | 4       | 26   | 0     | 51          |
| 1978 | 0    | 3   | 16      | 4       | 26   | 0     | 52          |
| 1979 | 0    | 2   | 18      | 4       | 22   | 0     | 54          |
| 1980 | 0    | 2   | 14      | 4       | 21   | 0     | 58          |
| 1981 | 0    | 2   | 14      | 4       | 21   | 0     | 59          |
| 1982 | 0    | 2   | 15      | 4       | 18   | 0     | 61          |
| 1983 | 0    | 3   | 16      | 5       | 17   | na    | 59          |
| 1984 | 0    | 3   | 16      | 5       | 15   | na    | 60          |
| 1985 | 0    | 3   | 16      | 5       | 14   | na    | 62          |
| 1986 | 0    | 3   | 17      | 5       | 11   | na    | 64          |
| 1987 | 0    | 2   | 16      | 5       | 9    | na    | 68          |
| 1988 | 0    | 2   | 14      | 5       | 10   | na    | 69          |
| 1989 | 0    | 2   | 14      | 6       | 9    | na    | 69          |
| 1990 | 0    | 3   | 17      | 6       | 10   | na    | 63          |
| 1991 | 0    | 3   | 19      | 5       | 9    | na    | 64          |
| 1992 | 0    | 3   | 17      | 5       | 7    | na    | 68          |
| 1993 | 0    | 3   | 15      | 5       | 7    | na    | 70          |
| 1994 | 0    | 3   | 14      | 5       | 7    | na    | 70          |
| 1995 | 0    | 3   | 16      | 5       | 6    | na    | 70          |
| 1996 | 0    | 4   | 17      | 6       | 7    | na    | 67          |
| 1997 | 0    | 5   | 17      | 7       | 8    | na    | 62          |
| 1998 | 0    | 5   | 14      | 7       | 8    | na    | 65          |
| 1999 | 0    | 5   | 11      | 6       | 8    | na    | 70          |
| 2000 | 0    | 5   | 14      | 7       | 8    | na    | 66          |
| 2001 | 0    | 5   | 16      | 7       | 7    | na    | 64          |
| 2002 | 0    | 5   | 14      | 7       | 7    | na    | 67          |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)

Table 3: Annual distortion estimates, **China**, 1981 to 2005  
(a) Nominal rates of assistance to covered products  
(percent)

|      | Cotton | Fruits | Maize | Milk | Pigmeat | Poultry | Rice | Soybean | Sugar | Vegetables | Wheat | All covered |
|------|--------|--------|-------|------|---------|---------|------|---------|-------|------------|-------|-------------|
| 1981 | -38    | -37    | -54   | 124  | -74     | 24      | -66  | -12     | 30    | -37        | -15   | -53         |
| 1982 | -28    | -32    | -43   | 114  | -81     | 33      | -62  | -3      | 33    | -29        | -10   | -53         |
| 1983 | -38    | -34    | -39   | 124  | -80     | 31      | -56  | 10      | 36    | -50        | 5     | -52         |
| 1984 | -31    | -12    | -5    | 152  | -80     | 13      | -38  | 9       | 76    | -51        | 27    | -45         |
| 1985 | -20    | -5     | 6     | 160  | -36     | 32      | -23  | 30      | 82    | -43        | 31    | -24         |
| 1986 | -33    | 0      | -3    | 88   | -55     | -53     | -25  | 13      | 33    | -58        | 36    | -39         |
| 1987 | -46    | -25    | -11   | 38   | -62     | -62     | -37  | -13     | 27    | -67        | 27    | -50         |
| 1988 | -44    | -7     | -36   | 4    | -53     | -46     | -47  | -19     | 37    | -63        | 10    | -49         |
| 1989 | -30    | -10    | -36   | 2    | -37     | -7      | -38  | -4      | 45    | -56        | 8     | -40         |
| 1990 | -27    | -8     | -39   | -6   | -30     | -5      | -36  | 5       | 3     | -45        | -4    | -34         |
| 1991 | -25    | -6     | -31   | 22   | -22     | -4      | -33  | 14      | 29    | -34        | 26    | -24         |
| 1992 | -28    | -4     | -37   | -18  | -15     | -3      | -46  | -4      | 3     | -22        | -5    | -24         |
| 1993 | -32    | -2     | -27   | -22  | -7      | -1      | -32  | -11     | -3    | -11        | -7    | -16         |
| 1994 | -19    | 0      | 9     | 2    | 0       | 0       | -5   | 19      | 25    | 0          | 46    | 3           |
| 1995 | 0      | 0      | -7    | -5   | 0       | 0       | -2   | 33      | 23    | 0          | 53    | 3           |
| 1996 | 2      | 0      | -7    | -3   | 0       | 0       | -6   | 40      | 24    | 0          | 28    | 1           |
| 1997 | 3      | 0      | 11    | 15   | 0       | 0       | -9   | 35      | 33    | 0          | 28    | 3           |
| 1998 | -6     | 0      | 23    | 44   | 0       | 0       | -5   | 28      | 18    | 0          | 29    | 4           |
| 1999 | -17    | 0      | 7     | 40   | 0       | 0       | -11  | 11      | 35    | 0          | 13    | 0           |
| 2000 | 22     | 0      | 9     | 45   | 0       | 0       | -8   | 20      | 67    | 0          | 13    | 2           |
| 2001 | -21    | 0      | 16    | 4    | 0       | 0       | -6   | 21      | 11    | 0          | -1    | 0           |
| 2002 | 2      | 0      | 7     | 11   | 0       | 0       | -15  | 14      | 30    | 0          | -3    | -1          |
| 2003 | 0      | 0      | 20    | 27   | 0       | 0       | 0    | 23      | 10    | 0          | -1    | 2           |
| 2004 | -13    | 0      | 6     | 30   | 0       | 0       | -2   | 10      | 25    | 0          | 8     | 1           |
| 2005 | 14     | 0      | 17    | 32   | 0       | 0       | -12  | 10      | 34    | 0          | 8     | 1           |

Table 3 (continued): Annual distortion estimates, **China**, 1955 to 2005  
 (b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries

(percent)

|                   | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|-------------------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|                   | Covered products |         | Non-covered products | All products (incl NPS) | Export-ables     | Import-competing | All | NRA              | RRA |
|                   | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1955-             |                  |         |                      |                         |                  |                  |     |                  |     |
| 1980 <sup>d</sup> | na               | na      | na                   | -40                     | na               | na               | na  | na               | -54 |
| 1981              | 0                | -54     | -35                  | -48                     | -58              | -28              | -48 | na               | -54 |
| 1982              | 0                | -53     | -32                  | -47                     | -58              | -19              | -47 | 43               | -63 |
| 1983              | 0                | -52     | -31                  | -46                     | -59              | -12              | -46 | 42               | -62 |
| 1984              | 0                | -45     | -19                  | -39                     | -52              | 15               | -39 | 40               | -57 |
| 1985              | 0                | -25     | -1                   | -17                     | -31              | 34               | -17 | 39               | -40 |
| 1986              | 0                | -39     | -11                  | -33                     | -45              | 32               | -33 | 24               | -46 |
| 1987              | 0                | -50     | -23                  | -45                     | -56              | 20               | -45 | 25               | -56 |
| 1988              | 0                | -50     | -24                  | -46                     | -54              | 9                | -46 | 26               | -57 |
| 1989              | 0                | -41     | -18                  | -36                     | -45              | 6                | -36 | 27               | -50 |
| 1990              | 0                | -34     | -21                  | -29                     | -37              | -16              | -29 | 28               | -45 |
| 1991              | 0                | -24     | -6                   | -18                     | -28              | 13               | -18 | 27               | -36 |
| 1992              | 0                | -24     | -12                  | -20                     | -26              | -6               | -20 | 26               | -36 |
| 1993              | 0                | -16     | -9                   | -12                     | -17              | -5               | -12 | 24               | -29 |
| 1994              | 0                | 3       | 11                   | 7                       | 0                | 25               | 7   | 19               | -10 |
| 1995              | 0                | 3       | 7                    | 6                       | 0                | 17               | 6   | 13               | -6  |
| 1996              | 1                | 0       | 4                    | 4                       | -2               | 10               | 4   | 12               | -7  |
| 1997              | 1                | 2       | 11                   | 7                       | -1               | 23               | 7   | 9                | -2  |
| 1998              | 1                | 3       | 11                   | 10                      | 1                | 21               | 10  | 9                | 1   |
| 1999              | 1                | 0       | 6                    | 5                       | -2               | 13               | 5   | 7                | -1  |
| 2000              | 1                | 1       | 9                    | 8                       | 0                | 17               | 8   | 6                | 2   |
| 2001              | 1                | 0       | 1                    | 4                       | 0                | 1                | 4   | 6                | -1  |
| 2002              | 1                | -2      | 1                    | 4                       | -2               | 4                | 4   | 5                | -1  |
| 2003              | 1                | 2       | 4                    | 7                       | 2                | 6                | 7   | 4                | 2   |
| 2004              | 0                | 1       | 4                    | 7                       | 0                | 8                | 7   | 3                | 3   |
| 2005              | 0                | 0       | 6                    | 7                       | -1               | 12               | 7   | 3                | 3   |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

d. Estimates for China pre-1981 are based on the assumption that the nominal rate of assistance to agriculture in those years was the same as the average NRA estimates for for 1981-89.

Table 3 (continued): Annual distortion estimates, **China**, 1981 to 2005  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Cotton | Fruits | Maize | Milk | Pigmeat | Poultry | Rice | Soybean | Sugar | Vegetab<br>les | Wheat | Non-<br>covered |
|------|--------|--------|-------|------|---------|---------|------|---------|-------|----------------|-------|-----------------|
| 1981 | 1      | 1      | 7     | 0    | 20      | 1       | 27   | 2       | 0     | 18             | 6     | 16              |
| 1982 | 1      | 1      | 5     | 0    | 26      | 1       | 25   | 2       | 0     | 16             | 6     | 16              |
| 1983 | 2      | 1      | 6     | 0    | 23      | 1       | 21   | 1       | 0     | 24             | 6     | 15              |
| 1984 | 2      | 1      | 5     | 0    | 26      | 1       | 19   | 1       | 0     | 25             | 6     | 12              |
| 1985 | 1      | 2      | 5     | 0    | 14      | 1       | 18   | 1       | 0     | 32             | 6     | 18              |
| 1986 | 1      | 2      | 5     | 0    | 18      | 2       | 16   | 2       | 1     | 37             | 5     | 11              |
| 1987 | 1      | 2      | 4     | 0    | 19      | 2       | 15   | 2       | 1     | 39             | 4     | 9               |
| 1988 | 1      | 2      | 4     | 0    | 19      | 3       | 18   | 2       | 1     | 38             | 4     | 8               |
| 1989 | 1      | 2      | 5     | 0    | 16      | 2       | 18   | 1       | 1     | 40             | 5     | 8               |
| 1990 | 1      | 2      | 6     | 0    | 14      | 3       | 17   | 1       | 1     | 34             | 6     | 14              |
| 1991 | 2      | 3      | 7     | 0    | 15      | 4       | 17   | 1       | 1     | 30             | 5     | 15              |
| 1992 | 1      | 3      | 7     | 1    | 14      | 3       | 19   | 2       | 1     | 32             | 7     | 13              |
| 1993 | 1      | 3      | 8     | 1    | 15      | 2       | 19   | 3       | 1     | 21             | 7     | 19              |
| 1994 | 2      | 4      | 7     | 1    | 18      | 4       | 19   | 2       | 1     | 24             | 6     | 13              |
| 1995 | 1      | 5      | 8     | 1    | 19      | 6       | 17   | 2       | 1     | 23             | 6     | 11              |
| 1996 | 1      | 3      | 9     | 1    | 18      | 5       | 17   | 1       | 1     | 21             | 7     | 15              |
| 1997 | 1      | 3      | 6     | 1    | 22      | 6       | 16   | 2       | 1     | 18             | 7     | 19              |
| 1998 | 1      | 3      | 6     | 0    | 18      | 6       | 15   | 1       | 1     | 18             | 6     | 25              |
| 1999 | 1      | 3      | 5     | 1    | 16      | 6       | 13   | 1       | 1     | 16             | 6     | 33              |
| 2000 | 1      | 3      | 4     | 1    | 16      | 6       | 11   | 1       | 1     | 19             | 5     | 34              |
| 2001 | 1      | 3      | 4     | 1    | 16      | 5       | 9    | 1       | 1     | 18             | 5     | 35              |
| 2002 | 1      | 3      | 4     | 1    | 15      | 5       | 9    | 1       | 1     | 18             | 4     | 37              |
| 2003 | 1      | 4      | 4     | 1    | 18      | 6       | 9    | 1       | 1     | 19             | 4     | 33              |
| 2004 | 1      | 4      | 5     | 1    | 19      | 5       | 10   | 2       | 1     | 17             | 4     | 32              |
| 2005 | 1      | 4      | 4     | 1    | 17      | 5       | 11   | 1       | 1     | 17             | 4     | 34              |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)

Table 4: Annual distortion estimates, **Indonesia**, 1970 to 2004  
(a) Nominal rates of assistance to covered products  
(percent)

|      | Coconut | Coffee | Maize | Palmoil | Poultry | Rice | Rubber | Soybean | Sugar | Tea | All covered |
|------|---------|--------|-------|---------|---------|------|--------|---------|-------|-----|-------------|
| 1970 | -17     | -9     | -7    | -33     | na      | na   | 12     | 2       | 26    | 10  | -2          |
| 1971 | -2      | -11    | -21   | -30     | 89      | na   | 12     | 2       | 27    | 9   | 7           |
| 1972 | 2       | -14    | -22   | 26      | 62      | na   | 21     | -4      | 1     | -10 | 2           |
| 1973 | -2      | 1      | -5    | 7       | 50      | na   | 27     | -20     | -32   | -18 | -10         |
| 1974 | -11     | -3     | -22   | -41     | 89      | na   | 3      | -9      | -11   | -21 | -10         |
| 1975 | -5      | -2     | -24   | -15     | 107     | 22   | 15     | 27      | 28    | -9  | 15          |
| 1976 | 10      | -1     | -3    | 7       | 92      | 19   | 21     | 28      | 62    | -10 | 21          |
| 1977 | 14      | -4     | 22    | -3      | 187     | 22   | 1      | 29      | 37    | -8  | 20          |
| 1978 | 9       | -5     | 30    | -13     | 220     | -1   | -28    | 35      | 4     | 17  | 3           |
| 1979 | -17     | -7     | 25    | -22     | 115     | 8    | -26    | 40      | -14   | 0   | -4          |
| 1980 | -4      | -8     | 11    | 10      | 138     | -10  | -29    | 32      | 25    | 3   | -4          |
| 1981 | 9       | -5     | 10    | 14      | 183     | -6   | -21    | 50      | 58    | 17  | 9           |
| 1982 | 8       | -4     | 13    | 65      | 186     | 33   | -13    | 77      | 30    | 9   | 27          |
| 1983 | -18     | -13    | 50    | 36      | 132     | 11   | -14    | 42      | 66    | -10 | 17          |
| 1984 | -26     | -13    | 10    | -14     | 99      | 10   | -3     | 45      | 90    | -10 | 11          |
| 1985 | -16     | -9     | 9     | 4       | 144     | 15   | -8     | 31      | 39    | 4   | 14          |
| 1986 | 0       | -4     | 24    | 48      | 108     | 7    | -25    | 37      | 20    | 3   | 11          |
| 1987 | -19     | 6      | 32    | -13     | 58      | -4   | -35    | 14      | -1    | -11 | -5          |
| 1988 | -24     | 1      | 50    | -33     | 68      | -9   | -19    | 0       | -8    | -4  | -9          |
| 1989 | -51     | -6     | -5    | -12     | 56      | -14  | -15    | 2       | -7    | -3  | -12         |
| 1990 | -43     | -2     | -3    | 17      | 69      | -10  | -23    | 20      | 14    | -8  | -5          |
| 1991 | -45     | 1      | 28    | 0       | 147     | -16  | -28    | 18      | 15    | -2  | -7          |
| 1992 | -47     | 1      | 35    | 4       | 69      | -8   | -33    | 14      | 4     | -3  | -5          |
| 1993 | -44     | 0      | 21    | 23      | 86      | -4   | -37    | 16      | -6    | -5  | -5          |
| 1994 | -50     | -2     | 31    | 14      | 103     | -6   | -38    | 19      | -7    | 6   | -6          |
| 1995 | -47     | -2     | 37    | -18     | 102     | -12  | -31    | 28      | -7    | 6   | -11         |
| 1996 | -47     | 6      | 29    | 2       | 136     | -15  | -21    | 19      | -12   | -13 | -10         |
| 1997 | -16     | 5      | 19    | -12     | 71      | -7   | 56     | 16      | -29   | -23 | -7          |
| 1998 | -26     | -1     | 36    | -57     | -9      | -34  | 58     | 0       | 67    | -23 | -24         |
| 1999 | -11     | 4      | 2     | -6      | 139     | 4    | 123    | 24      | 37    | -16 | 6           |
| 2000 | -8      | 7      | 23    | -3      | 107     | 15   | 56     | 1       | 60    | -19 | 16          |
| 2001 | -9      | 4      | -3    | 12      | 70      | 21   | 38     | -5      | 26    | -18 | 17          |
| 2002 | -10     | 1      | 1     | -12     | 120     | 23   | 0      | 5       | 42    | -15 | 15          |
| 2003 | -6      | 0      | 25    | -13     | 101     | 25   | -4     | 4       | 68    | -12 | 18          |
| 2004 | na      | 3      | 9     | na      | na      | 9    | -6     | 0       | 51    | -14 | 12          |

Table 4 (continued): Annual distortion estimates, **Indonesia**, 1970 to 2004 (b)  
 Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup>  
 and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural  
 industries

(percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Exportables      | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1970 | 6                | -8      | -4                   | -3                      | -11              | 10               | -8  | 28               | -28 |
| 1971 | 6                | 1       | 6                    | 6                       | -2               | 19               | 7   | 28               | -16 |
| 1972 | 7                | -5      | 1                    | 2                       | 5                | -1               | 2   | 28               | -20 |
| 1973 | 6                | -16     | -7                   | -9                      | 2                | -25              | -10 | 28               | -30 |
| 1974 | 5                | -16     | -7                   | -9                      | -11              | -10              | -10 | 28               | -30 |
| 1975 | 9                | 6       | 6                    | 12                      | -3               | 21               | 13  | 28               | -11 |
| 1976 | 6                | 14      | 12                   | 18                      | 10               | 26               | 20  | 28               | -6  |
| 1977 | 6                | 14      | 12                   | 17                      | 9                | 27               | 20  | 28               | -6  |
| 1978 | 6                | -3      | 2                    | 3                       | 1                | 4                | 3   | 28               | -19 |
| 1979 | 7                | -10     | -4                   | -4                      | -18              | 5                | -4  | 28               | -25 |
| 1980 | 7                | -10     | -4                   | -4                      | -11              | 0                | -4  | 28               | -25 |
| 1981 | 7                | 2       | 5                    | 8                       | 3                | 12               | 9   | 28               | -15 |
| 1982 | 8                | 20      | 13                   | 22                      | 7                | 34               | 25  | 28               | -2  |
| 1983 | 8                | 9       | 5                    | 12                      | -12              | 27               | 14  | 28               | -11 |
| 1984 | 7                | 4       | 2                    | 7                       | -21              | 25               | 9   | 28               | -15 |
| 1985 | 7                | 7       | 4                    | 10                      | -12              | 24               | 12  | 28               | -12 |
| 1986 | 6                | 4       | 4                    | 8                       | -3               | 15               | 9   | 28               | -14 |
| 1987 | 6                | -11     | -6                   | -6                      | -20              | 1                | -7  | 28               | -27 |
| 1988 | 6                | -15     | -9                   | -9                      | -21              | -5               | -10 | 26               | -29 |
| 1989 | 5                | -17     | -12                  | -12                     | -27              | -9               | -14 | 24               | -30 |
| 1990 | 4                | -9      | -7                   | -6                      | -21              | -1               | -6  | 22               | -23 |
| 1991 | 4                | -11     | -10                  | -8                      | -26              | -3               | -9  | 20               | -24 |
| 1992 | 4                | -9      | -9                   | -7                      | -28              | 0                | -7  | 18               | -21 |
| 1993 | 2                | -7      | -8                   | -6                      | -23              | 0                | -7  | 16               | -19 |
| 1994 | 2                | -8      | -8                   | -7                      | -25              | 0                | -8  | 14               | -19 |
| 1995 | 2                | -13     | -11                  | -11                     | -28              | -4               | -12 | 12               | -21 |
| 1996 | 2                | -12     | -9                   | -10                     | -21              | -7               | -11 | 11               | -20 |
| 1997 | 2                | -9      | -4                   | -6                      | -5               | -7               | -7  | 11               | -16 |
| 1998 | 3                | -27     | -17                  | -22                     | -30              | -21              | -25 | 10               | -31 |
| 1999 | 3                | 3       | 3                    | 5                       | -1               | 10               | 6   | 10               | -4  |
| 2000 | 2                | 13      | 8                    | 13                      | 0                | 23               | 14  | 9                | 5   |
| 2001 | 2                | 15      | 9                    | 14                      | 4                | 22               | 16  | 9                | 7   |
| 2002 | 2                | 14      | 7                    | 12                      | -8               | 29               | 14  | 8                | 5   |
| 2003 | 1                | 16      | 9                    | 14                      | -8               | 34               | 16  | 8                | 8   |
| 2004 | 3                | 9       | 3                    | 8                       | -5               | 15               | 10  | 8                | 2   |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

Table 4 (continued): Annual distortion estimates, **Indonesia**, 1970 to 2004 (c) Value shares of primary production of covered<sup>a</sup> and non-covered products, (percent)

|      | Coconut | Coffee | Maize | Palm oil | Poultry | Rice | Rubber | Soybean | Sugar | Tea | Non-covered |
|------|---------|--------|-------|----------|---------|------|--------|---------|-------|-----|-------------|
| 1970 | 32      | 3      | 5     | 1        | na      | na   | 7      | 2       | 15    | 1   | 34          |
| 1971 | 31      | 2      | 5     | 1        | 1       | na   | 5      | 2       | 20    | 1   | 32          |
| 1972 | 22      | 2      | 5     | 1        | 1       | na   | 4      | 2       | 24    | 1   | 38          |
| 1973 | 27      | 1      | 4     | 1        | 1       | na   | 5      | 2       | 22    | 1   | 36          |
| 1974 | 34      | 1      | 4     | 2        | 1       | na   | 4      | 2       | 16    | 0   | 35          |
| 1975 | 12      | 1      | 4     | 1        | 1       | 34   | 2      | 1       | 11    | 0   | 31          |
| 1976 | 14      | 2      | 3     | 1        | 1       | 36   | 3      | 1       | 8     | 0   | 30          |
| 1977 | 18      | 3      | 2     | 1        | 0       | 30   | 3      | 1       | 9     | 1   | 33          |
| 1978 | 15      | 2      | 2     | 1        | 0       | 32   | 4      | 1       | 11    | 0   | 32          |
| 1979 | 15      | 2      | 2     | 1        | 1       | 28   | 5      | 1       | 11    | 0   | 33          |
| 1980 | 11      | 2      | 2     | 1        | 1       | 34   | 6      | 1       | 7     | 0   | 35          |
| 1981 | 10      | 1      | 2     | 1        | 1       | 35   | 3      | 1       | 11    | 0   | 35          |
| 1982 | 9       | 1      | 2     | 1        | 1       | 31   | 3      | 0       | 14    | 0   | 38          |
| 1983 | 11      | 1      | 2     | 1        | 1       | 33   | 3      | 1       | 10    | 0   | 36          |
| 1984 | 13      | 1      | 3     | 2        | 1       | 31   | 3      | 1       | 7     | 0   | 38          |
| 1985 | 10      | 1      | 3     | 2        | 1       | 30   | 3      | 1       | 10    | 0   | 40          |
| 1986 | 7       | 2      | 3     | 1        | 1       | 29   | 3      | 1       | 11    | 0   | 41          |
| 1987 | 8       | 2      | 2     | 2        | 1       | 27   | 5      | 1       | 11    | 0   | 40          |
| 1988 | 8       | 2      | 1     | 2        | 1       | 30   | 5      | 1       | 12    | 0   | 37          |
| 1989 | 4       | 1      | 2     | 2        | 1       | 35   | 4      | 1       | 12    | 0   | 36          |
| 1990 | 3       | 1      | 4     | 2        | 2       | 35   | 4      | 1       | 11    | 0   | 37          |
| 1991 | 4       | 1      | 3     | 2        | 1       | 35   | 4      | 1       | 11    | 0   | 37          |
| 1992 | 5       | 1      | 2     | 3        | 2       | 34   | 4      | 2       | 14    | 0   | 34          |
| 1993 | 4       | 1      | 2     | 2        | 2       | 29   | 5      | 1       | 14    | 0   | 39          |
| 1994 | 5       | 2      | 2     | 4        | 2       | 29   | 6      | 1       | 13    | 0   | 35          |
| 1995 | 5       | 2      | 2     | 4        | 1       | 30   | 6      | 1       | 10    | 0   | 39          |
| 1996 | 5       | 1      | 3     | 4        | 1       | 33   | 5      | 1       | 10    | 0   | 37          |
| 1997 | 8       | 1      | 3     | 5        | 2       | 30   | 2      | 1       | 10    | 0   | 38          |
| 1998 | 9       | 2      | 2     | 9        | 1       | 36   | 2      | 1       | 3     | 0   | 33          |
| 1999 | 13      | 2      | 3     | 4        | 1       | 35   | 1      | 1       | 4     | 0   | 36          |
| 2000 | 11      | 2      | 2     | 6        | 2       | 33   | 2      | 1       | 4     | 0   | 37          |
| 2001 | 9       | 1      | 3     | 6        | 2       | 29   | 2      | 1       | 7     | 0   | 39          |
| 2002 | 8       | 1      | 3     | 8        | 2       | 27   | 3      | 0       | 5     | 0   | 42          |
| 2003 | 8       | 1      | 3     | 7        | 2       | 23   | 4      | 0       | 4     | 0   | 46          |
| 2004 | na      | 1      | 4     | na       | na      | 35   | 5      | 1       | 6     | 0   | 46          |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)



Table 5: Annual distortion estimates, **Malaysia**, 1960 to 2004  
(a) Nominal rates of assistance to covered products  
(percent)

|      | Cocoa | Palmoil | Rice | Rubber | All covered |
|------|-------|---------|------|--------|-------------|
| 1960 | na    | -11     | 29   | -14    | -11         |
| 1961 | na    | -11     | 21   | -13    | -8          |
| 1962 | na    | -9      | 11   | -9     | -6          |
| 1963 | na    | -10     | 14   | -9     | -6          |
| 1964 | na    | -16     | 21   | -15    | -11         |
| 1965 | na    | -10     | 25   | -10    | -5          |
| 1966 | na    | -12     | 11   | -11    | -8          |
| 1967 | -1    | -11     | -10  | -9     | -10         |
| 1968 | -3    | -9      | -19  | -7     | -10         |
| 1969 | -2    | -11     | -16  | -11    | -12         |
| 1970 | -1    | -10     | 3    | -9     | -7          |
| 1971 | -1    | -17     | 20   | -16    | -10         |
| 1972 | -1    | -12     | 19   | -9     | -4          |
| 1973 | -7    | -11     | -3   | -11    | -10         |
| 1974 | -4    | -26     | -23  | -19    | -22         |
| 1975 | 1     | -22     | -17  | -15    | -18         |
| 1976 | -1    | -12     | 74   | -18    | -8          |
| 1977 | -1    | -22     | 83   | -24    | -16         |
| 1978 | -6    | -11     | 27   | -26    | -17         |
| 1979 | -2    | -9      | 30   | -29    | -18         |
| 1980 | -2    | -7      | 29   | -29    | -17         |
| 1981 | -1    | -7      | 33   | -22    | -10         |
| 1982 | -1    | -5      | 81   | -13    | 0           |
| 1983 | -1    | -3      | 160  | -15    | 1           |
| 1984 | -3    | -7      | 167  | -13    | -2          |
| 1985 | 4     | 1       | 192  | -4     | 8           |
| 1986 | -1    | -3      | 171  | -8     | 4           |
| 1987 | -7    | -8      | 253  | -13    | -3          |
| 1988 | -4    | -5      | 112  | -12    | -2          |
| 1989 | 1     | 0       | 63   | -6     | 2           |
| 1990 | -1    | -2      | 123  | -7     | 5           |
| 1991 | -1    | -2      | 100  | -7     | 4           |
| 1992 | -6    | -6      | 147  | -12    | 1           |
| 1993 | -2    | -3      | 165  | -8     | 5           |
| 1994 | -2    | -3      | 101  | -7     | 2           |
| 1995 | -1    | -3      | 117  | -5     | 2           |
| 1996 | -1    | -2      | 86   | -5     | 3           |
| 1997 | -8    | -9      | 6    | -13    | -8          |
| 1998 | 0     | -1      | 26   | -5     | 1           |
| 1999 | 0     | -1      | 52   | -6     | 2           |
| 2000 | 0     | -1      | 54   | -5     | 3           |
| 2001 | 0     | -2      | 89   | -6     | 3           |
| 2002 | 0     | -1      | 82   | -5     | 2           |
| 2003 | 0     | -1      | 65   | -4     | 1           |
| 2004 | 0     | -1      | 65   | -3     | 1           |

Table 5 (continued): Annual distortion estimates, **Malaysia**, 1960 to 2004 (b)  
 Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup>  
 and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural  
 industries (percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Export-ables     | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1960 | 0                | -11     | 0                    | -10                     | -14              | 16               | -10 | 8                | -17 |
| 1961 | 0                | -8      | 0                    | -7                      | -12              | 15               | -8  | 8                | -14 |
| 1962 | 0                | -6      | 0                    | -5                      | -9               | 8                | -6  | 8                | -12 |
| 1963 | 0                | -6      | 0                    | -5                      | -9               | 11               | -5  | 7                | -11 |
| 1964 | 0                | -11     | 0                    | -9                      | -15              | 16               | -9  | 7                | -15 |
| 1965 | 0                | -5      | 0                    | -4                      | -9               | 18               | -4  | 6                | -10 |
| 1966 | 0                | -8      | 0                    | -7                      | -10              | 8                | -7  | 6                | -12 |
| 1967 | 0                | -10     | 0                    | -8                      | -9               | -8               | -9  | 8                | -15 |
| 1968 | 0                | -10     | 0                    | -9                      | -7               | -15              | -9  | 8                | -16 |
| 1969 | 0                | -12     | 0                    | -10                     | -10              | -12              | -10 | 8                | -17 |
| 1970 | 0                | -7      | 0                    | -6                      | -9               | 2                | -6  | 7                | -12 |
| 1971 | 0                | -10     | 0                    | -9                      | -15              | 16               | -9  | 7                | -15 |
| 1972 | 0                | -4      | 0                    | -3                      | -9               | 15               | -4  | 9                | -12 |
| 1973 | 0                | -10     | 0                    | -8                      | -10              | -3               | -9  | 8                | -16 |
| 1974 | 0                | -22     | 0                    | -19                     | -20              | -18              | -19 | 4                | -23 |
| 1975 | 0                | -18     | 0                    | -15                     | -17              | -14              | -16 | 6                | -21 |
| 1976 | 0                | -8      | 0                    | -7                      | -15              | 45               | -7  | 6                | -12 |
| 1977 | 0                | -16     | 0                    | -13                     | -22              | 44               | -14 | 7                | -20 |
| 1978 | 0                | -17     | 0                    | -15                     | -20              | 15               | -15 | 6                | -21 |
| 1979 | 0                | -18     | 0                    | -15                     | -21              | 18               | -16 | 7                | -21 |
| 1980 | 0                | -17     | 0                    | -14                     | -20              | 16               | -15 | 6                | -20 |
| 1981 | 0                | -10     | 0                    | -8                      | -14              | 20               | -8  | 5                | -13 |
| 1982 | 0                | 0       | 0                    | 0                       | -8               | 43               | 0   | 5                | -5  |
| 1983 | 0                | 1       | 0                    | 1                       | -9               | 60               | 1   | 5                | -4  |
| 1984 | 0                | -2      | 0                    | -2                      | -8               | 45               | -2  | 5                | -6  |
| 1985 | 0                | 8       | 0                    | 6                       | -1               | 56               | 6   | 4                | 2   |
| 1986 | 0                | 4       | 0                    | 3                       | -5               | 56               | 3   | 4                | -1  |
| 1987 | 0                | -3      | 0                    | -2                      | -10              | 55               | -2  | 5                | -7  |
| 1988 | 0                | -2      | 0                    | -2                      | -7               | 32               | -2  | 4                | -5  |
| 1989 | 0                | 2       | 0                    | 2                       | -2               | 22               | 2   | 3                | -1  |
| 1990 | 0                | 5       | 0                    | 4                       | -3               | 40               | 4   | 3                | 1   |
| 1991 | 0                | 4       | 0                    | 3                       | -3               | 32               | 3   | 3                | 0   |
| 1992 | 0                | 1       | 0                    | 1                       | -7               | 38               | 1   | 3                | -2  |
| 1993 | 0                | 5       | 0                    | 3                       | -4               | 35               | 3   | 3                | 1   |
| 1994 | 0                | 2       | 0                    | 1                       | -3               | 21               | 1   | 3                | -1  |
| 1995 | 0                | 2       | 0                    | 1                       | -3               | 19               | 1   | 2                | -1  |
| 1996 | 0                | 3       | 0                    | 2                       | -2               | 18               | 2   | 3                | -1  |
| 1997 | 0                | -8      | 0                    | -5                      | -8               | 3                | -6  | 2                | -8  |
| 1998 | 0                | 1       | 0                    | 0                       | -1               | 5                | 0   | 1                | -1  |
| 1999 | 0                | 2       | 0                    | 1                       | -1               | 9                | 1   | 2                | 0   |
| 2000 | 0                | 3       | 0                    | 2                       | -1               | 13               | 2   | 1                | 1   |
| 2001 | 0                | 3       | 0                    | 2                       | -2               | 17               | 2   | 1                | 1   |
| 2002 | 0                | 2       | 0                    | 1                       | -1               | 13               | 1   | 1                | 0   |
| 2003 | 0                | 1       | 0                    | 1                       | -1               | 9                | 1   | 1                | 0   |
| 2004 | 0                | 1       | 0                    | 1                       | -1               | 9                | 1   | 1                | 0   |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

Table 5 (continued): Annual distortion estimates, **Malaysia**, 1960 to 2004: (c) Value shares of primary production of covered<sup>a</sup> and non-covered products, (percent)

|      | Cocoa | Palmoil | Rice | Rubber | Non-covered |
|------|-------|---------|------|--------|-------------|
| 1960 | na    | 2       | 6    | 78     | 14          |
| 1961 | na    | 3       | 11   | 72     | 14          |
| 1962 | na    | 3       | 13   | 70     | 14          |
| 1963 | na    | 4       | 13   | 69     | 14          |
| 1964 | na    | 4       | 11   | 70     | 14          |
| 1965 | na    | 6       | 12   | 68     | 14          |
| 1966 | na    | 6       | 13   | 67     | 14          |
| 1967 | 0     | 7       | 17   | 62     | 14          |
| 1968 | 0     | 6       | 21   | 59     | 14          |
| 1969 | 0     | 5       | 16   | 65     | 14          |
| 1970 | 0     | 11      | 16   | 58     | 14          |
| 1971 | 0     | 16      | 14   | 56     | 14          |
| 1972 | 0     | 17      | 17   | 52     | 14          |
| 1973 | 0     | 11      | 17   | 57     | 14          |
| 1974 | 0     | 23      | 17   | 46     | 14          |
| 1975 | 0     | 29      | 18   | 37     | 15          |
| 1976 | 1     | 21      | 8    | 55     | 15          |
| 1977 | 0     | 30      | 6    | 49     | 15          |
| 1978 | 0     | 27      | 6    | 52     | 15          |
| 1979 | 0     | 26      | 7    | 51     | 15          |
| 1980 | 0     | 25      | 7    | 51     | 17          |
| 1981 | 1     | 29      | 9    | 41     | 19          |
| 1982 | 1     | 37      | 8    | 33     | 21          |
| 1983 | 1     | 30      | 5    | 41     | 23          |
| 1984 | 2     | 46      | 3    | 25     | 25          |
| 1985 | 2     | 43      | 3    | 27     | 25          |
| 1986 | 3     | 31      | 4    | 37     | 25          |
| 1987 | 3     | 29      | 2    | 41     | 25          |
| 1988 | 3     | 37      | 3    | 31     | 27          |
| 1989 | 2     | 40      | 5    | 23     | 29          |
| 1990 | 2     | 37      | 5    | 25     | 31          |
| 1991 | 2     | 39      | 5    | 21     | 33          |
| 1992 | 1     | 41      | 4    | 18     | 35          |
| 1993 | 1     | 41      | 3    | 18     | 37          |
| 1994 | 1     | 38      | 3    | 19     | 39          |
| 1995 | 1     | 42      | 3    | 14     | 41          |
| 1996 | 1     | 43      | 4    | 13     | 41          |
| 1997 | 0     | 44      | 5    | 10     | 41          |
| 1998 | 0     | 49      | 3    | 5      | 42          |
| 1999 | 0     | 49      | 3    | 6      | 42          |
| 2000 | 0     | 47      | 4    | 5      | 43          |
| 2001 | 0     | 44      | 4    | 9      | 43          |
| 2002 | 0     | 45      | 3    | 9      | 43          |
| 2003 | 0     | 45      | 2    | 10     | 43          |
| 2004 | 0     | 48      | 2    | 11     | 38          |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)

Table 6: Annual distortion estimates, **Philippines**, 1960 to 2005  
(a) Nominal rates of assistance to covered products  
(percent)

|      | Banana | Beef | Coconut | Maize | Pigmeat | Poultry | Rice | Sugar | All covered |
|------|--------|------|---------|-------|---------|---------|------|-------|-------------|
| 1962 | 0      | 15   | -24     | -14   | -30     | -13     | -18  | 38    | -13         |
| 1963 | 0      | 15   | -25     | 8     | -27     | 6       | -6   | -39   | -8          |
| 1964 | 0      | 15   | -25     | 8     | -34     | 34      | 14   | -24   | 1           |
| 1965 | 0      | 15   | -25     | 42    | -23     | 49      | 10   | 103   | 16          |
| 1966 | 0      | 15   | -20     | 29    | -4      | 48      | 12   | 157   | 22          |
| 1967 | 0      | 15   | -23     | 39    | 10      | 66      | -5   | 134   | 15          |
| 1968 | 0      | 15   | -18     | 44    | 44      | 80      | -14  | 142   | 14          |
| 1969 | 0      | 15   | -16     | 38    | 40      | 92      | -10  | 67    | 16          |
| 1970 | -4     | 15   | -28     | -10   | 13      | 67      | -8   | 38    | 5           |
| 1971 | -4     | 15   | -27     | 49    | 25      | 35      | 29   | 16    | 24          |
| 1972 | -4     | 10   | -29     | 43    | -10     | 25      | 23   | -31   | 4           |
| 1973 | -4     | 10   | -23     | -8    | -18     | -1      | -39  | -48   | -31         |
| 1974 | -4     | 10   | -19     | -3    | 6       | 18      | -53  | -34   | -32         |
| 1975 | -4     | 10   | -21     | 6     | -23     | 13      | -29  | -44   | -23         |
| 1976 | -4     | 10   | -18     | 22    | -12     | 5       | 0    | -19   | -5          |
| 1977 | -4     | 10   | -14     | 41    | -9      | 42      | -4   | 14    | 1           |
| 1978 | -4     | 10   | -12     | 37    | -15     | 42      | -32  | 24    | -11         |
| 1979 | -4     | 10   | -18     | 16    | 31      | 38      | -24  | 16    | -6          |
| 1980 | -4     | 5    | -25     | 25    | 48      | 48      | -38  | -18   | -16         |
| 1981 | -4     | 5    | -21     | 28    | 42      | 46      | -36  | -15   | -13         |
| 1982 | -4     | 5    | -31     | 42    | 30      | 44      | 3    | 73    | 12          |
| 1983 | -4     | 5    | -36     | -2    | 21      | 27      | -10  | 64    | -3          |
| 1984 | -4     | 5    | -23     | 7     | 39      | 26      | 0    | 193   | 12          |
| 1985 | -4     | 5    | -37     | 41    | 59      | 50      | 43   | 273   | 26          |
| 1986 | 0      | 20   | -27     | 62    | 32      | 40      | 26   | 114   | 26          |
| 1987 | 0      | 20   | -17     | 96    | 43      | 44      | 11   | 126   | 27          |
| 1988 | 0      | 20   | -14     | 46    | 65      | 43      | -9   | 70    | 13          |
| 1989 | 0      | 20   | -9      | 54    | 56      | 37      | 2    | 33    | 17          |
| 1990 | 0      | 20   | -17     | 51    | 25      | 34      | 16   | 29    | 16          |
| 1991 | 0      | 30   | -15     | 24    | 24      | 39      | 1    | 56    | 10          |
| 1992 | 0      | 30   | -19     | 88    | 16      | 84      | 21   | 75    | 24          |
| 1993 | 0      | 30   | -15     | 69    | 24      | 68      | 46   | 51    | 32          |
| 1994 | 0      | 30   | -10     | 82    | 36      | 57      | 21   | 35    | 24          |
| 1995 | 0      | 30   | -9      | 94    | -2      | 50      | 55   | 80    | 36          |
| 1996 | 0      | 30   | -4      | 48    | 31      | 37      | 71   | 80    | 47          |
| 1997 | 0      | 30   | -22     | 84    | 53      | 39      | 63   | 60    | 45          |
| 1998 | 0      | 30   | -5      | 66    | -2      | 25      | 21   | 95    | 20          |
| 1999 | 0      | 20   | 2       | 100   | 23      | 60      | 53   | 171   | 41          |
| 2000 | 0      | 10   | -23     | 96    | 6       | 66      | 73   | 77    | 39          |
| 2001 | 0      | 10   | -23     | 72    | 0       | 51      | 69   | 67    | 36          |
| 2002 | 0      | 10   | -5      | 45    | -7      | 55      | 54   | 105   | 27          |
| 2003 | 0      | 10   | -8      | 25    | -22     | 49      | 41   | 84    | 15          |
| 2004 | 0      | 10   | -11     | 35    | -19     | 40      | 17   | 64    | 7           |

Table 6 (continued): Annual distortion estimates, **Philippines**, 1960 to 2005 (b)  
 Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup>  
 and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural  
 industries  
 (percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Exportables      | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1962 | 0                | -13     | -3                   | -11                     | 3                | -15              | -8  | 19               | -23 |
| 1963 | 0                | -8      | -1                   | -6                      | -11              | -6               | -3  | 19               | -19 |
| 1964 | 0                | 1       | 3                    | 2                       | -10              | 5                | 7   | 19               | -10 |
| 1965 | 0                | 16      | 8                    | 14                      | 27               | 12               | 19  | 19               | 0   |
| 1966 | 0                | 22      | 8                    | 19                      | 44               | 15               | 21  | 22               | -1  |
| 1967 | 0                | 15      | 5                    | 13                      | 40               | 8                | 13  | 20               | -6  |
| 1968 | 0                | 14      | 4                    | 12                      | 40               | 6                | 9   | 19               | -9  |
| 1969 | 0                | 16      | 4                    | 13                      | 27               | 10               | 10  | 21               | -9  |
| 1970 | 0                | 5       | 1                    | 4                       | 14               | 1                | 3   | 20               | -14 |
| 1971 | 0                | 24      | 8                    | 21                      | 4                | 31               | 19  | 24               | -4  |
| 1972 | 0                | 4       | 2                    | 4                       | -20              | 17               | 5   | 15               | -9  |
| 1973 | 0                | -31     | -11                  | -27                     | -30              | -28              | -27 | 11               | -35 |
| 1974 | 0                | -32     | -12                  | -28                     | -19              | -35              | -31 | 10               | -37 |
| 1975 | 0                | -23     | -8                   | -19                     | -25              | -19              | -20 | 13               | -29 |
| 1976 | 0                | -5      | -1                   | -4                      | -14              | 3                | -3  | 17               | -17 |
| 1977 | 0                | 1       | 2                    | 2                       | -3               | 5                | 2   | 18               | -13 |
| 1978 | 0                | -11     | -3                   | -8                      | -1               | -14              | -8  | 17               | -21 |
| 1979 | 0                | -6      | -2                   | -5                      | -6               | -5               | -8  | 17               | -22 |
| 1980 | 0                | -16     | -7                   | -13                     | -15              | -14              | -17 | 16               | -29 |
| 1981 | 0                | -13     | -6                   | -11                     | -12              | -13              | -15 | 13               | -25 |
| 1982 | 0                | 12      | 7                    | 11                      | 5                | 17               | 9   | 13               | -3  |
| 1983 | 0                | -3      | 1                    | -2                      | -6               | 0                | -4  | 11               | -14 |
| 1984 | 0                | 12      | 7                    | 11                      | 10               | 13               | 8   | 12               | -4  |
| 1985 | 0                | 26      | 17                   | 24                      | 2                | 44               | 22  | 12               | 9   |
| 1986 | 0                | 26      | 12                   | 22                      | 7                | 35               | 21  | 10               | 10  |
| 1987 | 0                | 27      | 11                   | 23                      | 11               | 33               | 21  | 11               | 9   |
| 1988 | 0                | 13      | 4                    | 11                      | 5                | 17               | 6   | 13               | -6  |
| 1989 | 0                | 17      | 5                    | 14                      | 5                | 21               | 10  | 9                | 0   |
| 1990 | 0                | 16      | 7                    | 14                      | 0                | 24               | 12  | 11               | 1   |
| 1991 | 0                | 10      | 3                    | 8                       | 5                | 11               | 6   | 9                | -3  |
| 1992 | 0                | 24      | 10                   | 21                      | 8                | 30               | 20  | 11               | 9   |
| 1993 | 0                | 32      | 13                   | 28                      | 6                | 43               | 27  | 9                | 17  |
| 1994 | 0                | 24      | 8                    | 21                      | 4                | 31               | 18  | 10               | 8   |
| 1995 | 0                | 36      | 15                   | 31                      | -4               | 44               | 34  | 7                | 26  |
| 1996 | 0                | 47      | 19                   | 41                      | -2               | 58               | 44  | 8                | 33  |
| 1997 | 0                | 45      | 20                   | 39                      | 4                | 60               | 42  | 9                | 31  |
| 1998 | 0                | 20      | 8                    | 17                      | -2               | 25               | 19  | 8                | 10  |
| 1999 | 0                | 41      | 18                   | 36                      | 1                | 53               | 39  | 11               | 25  |
| 2000 | 0                | 39      | 17                   | 34                      | -9               | 50               | 37  | 9                | 25  |
| 2001 | 0                | 36      | 15                   | 32                      | -8               | 45               | 34  | 8                | 24  |
| 2002 | 0                | 27      | 11                   | 24                      | -2               | 34               | 26  | 7                | 18  |
| 2003 | 0                | 15      | 6                    | 14                      | -3               | 19               | 15  | 5                | 10  |
| 2004 | 0                | 7       | 3                    | 6                       | 5                | 7                | 6   | 3                | 3   |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

Table 6 (continued): Annual distortion estimates, **Philippines**, 1960 to 2005 (c)  
 Value shares of primary production of covered<sup>a</sup> and non-covered products,  
 (percent)

|      | Banana | Beef | Coconut | Maize | Pigmeat | Poultry | Rice | Sugar | Non-covered |
|------|--------|------|---------|-------|---------|---------|------|-------|-------------|
| 1962 | 5      | 7    | 2       | 8     | 11      | 5       | 37   | 3     | 22          |
| 1963 | 5      | 4    | 3       | 9     | 12      | 4       | 37   | 4     | 22          |
| 1964 | 5      | 4    | 3       | 9     | 14      | 4       | 34   | 5     | 22          |
| 1965 | 4      | 4    | 3       | 8     | 13      | 4       | 34   | 7     | 22          |
| 1966 | 4      | 4    | 2       | 8     | 14      | 4       | 36   | 5     | 22          |
| 1967 | 4      | 3    | 2       | 7     | 12      | 4       | 42   | 6     | 19          |
| 1968 | 4      | 3    | 2       | 7     | 9       | 3       | 45   | 6     | 20          |
| 1969 | 5      | 3    | 2       | 8     | 9       | 3       | 38   | 10    | 22          |
| 1970 | 4      | 4    | 3       | 11    | 11      | 2       | 31   | 12    | 22          |
| 1971 | 5      | 2    | 3       | 11    | 12      | 3       | 30   | 15    | 19          |
| 1972 | 4      | 3    | 4       | 9     | 11      | 2       | 27   | 17    | 23          |
| 1973 | 2      | 2    | 4       | 10    | 8       | 2       | 34   | 17    | 22          |
| 1974 | 3      | 3    | 5       | 10    | 6       | 1       | 41   | 11    | 21          |
| 1975 | 2      | 2    | 9       | 10    | 6       | 1       | 29   | 15    | 24          |
| 1976 | 2      | 2    | 12      | 10    | 6       | 1       | 25   | 15    | 25          |
| 1977 | 2      | 2    | 15      | 7     | 8       | 1       | 26   | 10    | 29          |
| 1978 | 3      | 2    | 15      | 7     | 9       | 1       | 28   | 7     | 28          |
| 1979 | 3      | 2    | 21      | 7     | 6       | 1       | 25   | 9     | 25          |
| 1980 | 4      | 3    | 14      | 6     | 6       | 1       | 28   | 10    | 28          |
| 1981 | 3      | 3    | 12      | 7     | 6       | 1       | 29   | 11    | 28          |
| 1982 | 4      | 4    | 15      | 8     | 8       | 1       | 25   | 9     | 27          |
| 1983 | 4      | 4    | 16      | 9     | 8       | 1       | 23   | 6     | 29          |
| 1984 | 4      | 3    | 22      | 9     | 9       | 1       | 21   | 5     | 26          |
| 1985 | 4      | 3    | 24      | 10    | 7       | 1       | 23   | 4     | 25          |
| 1986 | 5      | 3    | 14      | 9     | 9       | 1       | 24   | 5     | 30          |
| 1987 | 4      | 3    | 15      | 8     | 9       | 1       | 26   | 5     | 28          |
| 1988 | 5      | 3    | 17      | 9     | 8       | 1       | 26   | 6     | 24          |
| 1989 | 4      | 3    | 13      | 8     | 9       | 1       | 27   | 9     | 26          |
| 1990 | 4      | 3    | 14      | 8     | 12      | 2       | 23   | 9     | 26          |
| 1991 | 4      | 3    | 10      | 7     | 11      | 1       | 35   | 5     | 22          |
| 1992 | 4      | 3    | 13      | 7     | 13      | 1       | 31   | 6     | 22          |
| 1993 | 4      | 4    | 12      | 7     | 13      | 1       | 29   | 7     | 22          |
| 1994 | 4      | 3    | 10      | 6     | 12      | 1       | 35   | 6     | 22          |
| 1995 | 4      | 3    | 9       | 5     | 18      | 1       | 32   | 6     | 21          |
| 1996 | 4      | 3    | 9       | 7     | 14      | 2       | 33   | 6     | 22          |
| 1997 | 5      | 4    | 11      | 5     | 12      | 2       | 32   | 6     | 23          |
| 1998 | 4      | 5    | 10      | 5     | 16      | 2       | 28   | 5     | 25          |
| 1999 | 6      | 6    | 11      | 5     | 14      | 1       | 31   | 3     | 22          |
| 2000 | 5      | 7    | 8       | 5     | 18      | 1       | 29   | 5     | 21          |
| 2001 | 5      | 6    | 7       | 6     | 19      | 2       | 29   | 6     | 20          |
| 2002 | 5      | 5    | 9       | 6     | 21      | 1       | 30   | 4     | 19          |
| 2003 | 5      | 5    | 8       | 6     | 23      | 1       | 29   | 4     | 20          |
| 2004 | 4      | 4    | 10      | 6     | 21      | 1       | 30   | 4     | 20          |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)

Table 7: Annual distortion estimates, **Thailand**, 1970 to 2004  
(a) Nominal rates of assistance to covered products  
(percent)

|      | Cassava | Maize | Palmoil | Pigmeat | Poultry | Rice | Rubber | Soybean | Sugar | All covered |
|------|---------|-------|---------|---------|---------|------|--------|---------|-------|-------------|
| 1970 | -10     | -2    | na      | -5      | na      | -26  | -5     | na      | 33    | -20         |
| 1971 | -25     | -3    | na      | 16      | -37     | -29  | 5      | na      | 30    | -24         |
| 1972 | -33     | 5     | na      | -17     | -43     | -22  | 11     | na      | 12    | -23         |
| 1973 | -39     | -8    | na      | -35     | -32     | -21  | -5     | na      | 5     | -22         |
| 1974 | -8      | -2    | na      | 18      | -19     | -52  | -8     | na      | -17   | -41         |
| 1975 | 0       | -5    | na      | -7      | 30      | -40  | 2      | na      | -11   | -28         |
| 1976 | 0       | -3    | na      | -9      | 24      | -21  | -3     | na      | -3    | -12         |
| 1977 | -10     | 0     | na      | 19      | 3       | -26  | -11    | na      | -2    | -16         |
| 1978 | -13     | -2    | na      | -13     | 8       | -31  | -14    | na      | 2     | -22         |
| 1979 | 19      | -4    | na      | 19      | 15      | -24  | -18    | na      | -2    | -13         |
| 1980 | -2      | -4    | -25     | 83      | 45      | -25  | -21    | na      | 6     | -12         |
| 1981 | -22     | -7    | -33     | 60      | 12      | -29  | -28    | na      | 21    | -17         |
| 1982 | -7      | 0     | -20     | 19      | 34      | -16  | -14    | na      | 1     | -7          |
| 1983 | 7       | 0     | -19     | 68      | 27      | -9   | -8     | na      | 7     | 0           |
| 1984 | -21     | 0     | -31     | 29      | 16      | -12  | -19    | -18     | 28    | -7          |
| 1985 | -29     | -7    | -22     | -5      | 16      | -20  | -14    | -27     | 41    | -13         |
| 1986 | 0       | -12   | 12      | -5      | -9      | -18  | -11    | -20     | 41    | -11         |
| 1987 | -21     | -9    | 68      | 3       | -13     | -11  | -15    | -16     | 38    | -10         |
| 1988 | -20     | -4    | 71      | 53      | -13     | -9   | -14    | -7      | 43    | -5          |
| 1989 | -13     | -6    | 32      | 58      | -17     | -17  | -13    | -12     | 21    | -9          |
| 1990 | -11     | -5    | 67      | 14      | -5      | -14  | -4     | -44     | 24    | -7          |
| 1991 | -16     | -4    | 39      | -6      | -12     | -14  | -7     | -16     | 35    | -8          |
| 1992 | -12     | -13   | 18      | 15      | -17     | -10  | -2     | 35      | 45    | -4          |
| 1993 | -17     | 0     | 22      | -20     | -10     | -20  | -8     | 21      | 37    | -10         |
| 1994 | 1       | -1    | -14     | 5       | -11     | -24  | -2     | 27      | 29    | -9          |
| 1995 | 3       | 6     | -13     | 60      | 17      | -10  | -2     | 22      | 21    | 3           |
| 1996 | -19     | -10   | -3      | 32      | 18      | -2   | 2      | 25      | 37    | 5           |
| 1997 | -20     | -37   | -18     | 3       | 8       | -17  | -4     | 7       | 37    | -8          |
| 1998 | -11     | -7    | -19     | 19      | 23      | -16  | 4      | 17      | 14    | -4          |
| 1999 | -22     | -10   | -11     | 67      | 23      | -11  | -6     | 37      | 2     | -1          |
| 2000 | -14     | 1     | -11     | -10     | 21      | -13  | -1     | 36      | 16    | -3          |
| 2001 | -8      | -2    | -38     | -16     | 15      | -9   | 1      | 30      | 8     | -3          |
| 2002 | -5      | -2    | -9      | 21      | 33      | -6   | 4      | 33      | 12    | 5           |
| 2003 | -13     | 0     | -15     | -3      | 13      | -3   | 3      | 28      | 9     | 1           |
| 2004 | -10     | 0     | na      | na      | na      | -6   | -6     | 22      | 18    | -2          |

Table 7 (continued): Annual distortion estimates, **Thailand**, 1970 to 2004 (b)  
 Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup>  
 and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural  
 industries

(percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Exportables      | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1970 | -1               | -18     | -9                   | -15                     | -21              | -5               | -18 | 16               | -29 |
| 1971 | -1               | -22     | -3                   | -16                     | -26              | 16               | -18 | 16               | -30 |
| 1972 | -1               | -21     | -13                  | -19                     | -23              | -17              | -22 | 16               | -33 |
| 1973 | -1               | -21     | -19                  | -21                     | -21              | -35              | -23 | 16               | -34 |
| 1974 | -1               | -40     | -8                   | -30                     | -43              | 18               | -34 | 16               | -43 |
| 1975 | -1               | -27     | -12                  | -23                     | -29              | -7               | -26 | 16               | -36 |
| 1976 | -1               | -11     | -7                   | -10                     | -13              | -9               | -12 | 16               | -24 |
| 1977 | -1               | -15     | 0                    | -10                     | -18              | 19               | -12 | 16               | -24 |
| 1978 | -1               | -21     | -12                  | -18                     | -23              | -13              | -21 | 16               | -32 |
| 1979 | -1               | -12     | 2                    | -8                      | -15              | 19               | -9  | 16               | -22 |
| 1980 | -1               | -11     | 21                   | -1                      | -16              | 78               | -1  | 16               | -15 |
| 1981 | -1               | -16     | 11                   | -8                      | -21              | 55               | -9  | 15               | -21 |
| 1982 | -1               | -6      | 3                    | -4                      | -8               | 17               | -4  | 14               | -16 |
| 1983 | -1               | 1       | 18                   | 6                       | -3               | 56               | 7   | 13               | -6  |
| 1984 | -1               | -5      | 4                    | -3                      | -8               | 21               | -4  | 12               | -14 |
| 1985 | -3               | -10     | -7                   | -11                     | -14              | -7               | -13 | 11               | -22 |
| 1986 | -2               | -9      | -5                   | -9                      | -11              | -4               | -10 | 11               | -19 |
| 1987 | -3               | -6      | 0                    | -7                      | -11              | 11               | -8  | 11               | -17 |
| 1988 | -2               | -3      | 16                   | 0                       | -9               | 56               | 0   | 11               | -10 |
| 1989 | -3               | -7      | 13                   | -4                      | -13              | 53               | -4  | 11               | -14 |
| 1990 | -3               | -3      | 4                    | -4                      | -9               | 22               | -4  | 10               | -13 |
| 1991 | -2               | -6      | -3                   | -7                      | -9               | -1               | -8  | 10               | -16 |
| 1992 | -1               | -3      | 4                    | -2                      | -7               | 18               | -2  | 10               | -11 |
| 1993 | -2               | -9      | -7                   | -9                      | -10              | -10              | -10 | 10               | -18 |
| 1994 | -1               | -8      | -2                   | -7                      | -11              | 4                | -8  | 10               | -16 |
| 1995 | -1               | 4       | 18                   | 7                       | -1               | 54               | 7   | 9                | -2  |
| 1996 | 0                | 5       | 11                   | 6                       | 2                | 31               | 7   | 9                | -2  |
| 1997 | 0                | -8      | -2                   | -7                      | -10              | 3                | -8  | 9                | -15 |
| 1998 | -2               | -1      | 4                    | -2                      | -5               | 19               | -2  | 9                | -10 |
| 1999 | -3               | 2       | 19                   | 4                       | -5               | 64               | 4   | 8                | -4  |
| 2000 | -1               | -2      | -3                   | -3                      | -3               | -6               | -3  | 8                | -11 |
| 2001 | -1               | -3      | -5                   | -4                      | -2               | -14              | -4  | 8                | -11 |
| 2002 | -2               | 7       | 8                    | 6                       | 4                | 22               | 7   | 8                | -1  |
| 2003 | 0                | 0       | 0                    | 0                       | 1                | -1               | 0   | 8                | -7  |
| 2004 | -1               | -2      | 7                    | -1                      | -3               | 22               | -1  | 8                | -8  |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.



Table 7 (continued): Annual distortion estimates, **Thailand**, 1970 to 2004 (c) Value shares of primary production of covered<sup>a</sup> and non-covered products, (percent)

|      | Cassava | Maize | Palmoil | Pigmeat | Poultry | Rice | Rubber | Soybean | Sugar | Non-covered |
|------|---------|-------|---------|---------|---------|------|--------|---------|-------|-------------|
| 1970 | 3       | 4     | na      | 4       | na      | 44   | 3      | na      | 1     | 40          |
| 1971 | 3       | 4     | na      | 3       | 9       | 40   | 3      | na      | 1     | 37          |
| 1972 | 6       | 2     | na      | 4       | 9       | 39   | 3      | na      | 1     | 35          |
| 1973 | 4       | 5     | na      | 5       | 7       | 42   | 4      | na      | 2     | 31          |
| 1974 | 1       | 4     | na      | 2       | 4       | 50   | 2      | na      | 2     | 34          |
| 1975 | 2       | 5     | na      | 3       | 3       | 47   | 2      | na      | 3     | 35          |
| 1976 | 4       | 4     | na      | 3       | 3       | 39   | 3      | na      | 5     | 37          |
| 1977 | 6       | 2     | na      | 3       | 5       | 38   | 4      | na      | 7     | 36          |
| 1978 | 4       | 3     | na      | 4       | 4       | 42   | 4      | na      | 3     | 34          |
| 1979 | 5       | 4     | na      | 3       | 4       | 39   | 7      | na      | 6     | 33          |
| 1980 | 7       | 4     | 0       | 3       | 3       | 41   | 6      | na      | 3     | 33          |
| 1981 | 6       | 4     | 0       | 3       | 4       | 42   | 5      | na      | 5     | 32          |
| 1982 | 7       | 4     | 0       | 4       | 4       | 35   | 5      | na      | 8     | 33          |
| 1983 | 7       | 5     | 0       | 3       | 5       | 36   | 6      | na      | 4     | 33          |
| 1984 | 8       | 6     | 1       | 4       | 4       | 35   | 6      | 1       | 4     | 32          |
| 1985 | 6       | 5     | 1       | 5       | 4       | 34   | 7      | 1       | 3     | 33          |
| 1986 | 7       | 5     | 0       | 5       | 6       | 30   | 10     | 2       | 2     | 33          |
| 1987 | 10      | 3     | 1       | 5       | 6       | 28   | 11     | 1       | 3     | 31          |
| 1988 | 7       | 5     | 1       | 3       | 6       | 36   | 13     | 2       | 3     | 25          |
| 1989 | 6       | 5     | 1       | 3       | 6       | 38   | 10     | 2       | 4     | 24          |
| 1990 | 7       | 4     | 1       | 5       | 7       | 29   | 11     | 3       | 5     | 28          |
| 1991 | 7       | 4     | 1       | 6       | 9       | 30   | 9      | 1       | 4     | 28          |
| 1992 | 6       | 4     | 1       | 6       | 11      | 27   | 11     | 1       | 4     | 29          |
| 1993 | 5       | 3     | 1       | 7       | 11      | 24   | 12     | 1       | 4     | 31          |
| 1994 | 4       | 4     | 2       | 6       | 9       | 29   | 14     | 1       | 4     | 28          |
| 1995 | 5       | 4     | 2       | 4       | 8       | 28   | 18     | 1       | 5     | 25          |
| 1996 | 5       | 5     | 2       | 6       | 9       | 27   | 16     | 1       | 4     | 24          |
| 1997 | 4       | 6     | 2       | 7       | 9       | 31   | 12     | 1       | 4     | 24          |
| 1998 | 5       | 4     | 3       | 4       | 9       | 36   | 10     | 1       | 4     | 25          |
| 1999 | 4       | 5     | 2       | 4       | 10      | 33   | 11     | 1       | 6     | 25          |
| 2000 | 3       | 5     | 2       | 6       | 10      | 31   | 13     | 1       | 6     | 23          |
| 2001 | 4       | 4     | 2       | 9       | 12      | 27   | 12     | 0       | 5     | 25          |
| 2002 | 4       | 4     | 3       | 6       | 11      | 27   | 16     | 0       | 5     | 23          |
| 2003 | 4       | 4     | 3       | 6       | 9       | 24   | 21     | 0       | 6     | 21          |
| 2004 | 5       | 4     | na      | na      | na      | 29   | 31     | 0       | 11    | 20          |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)

Table 8: Annual distortion estimates, **Vietnam**, 1986 to 2005(a) Nominal rates of assistance to covered products  
(percent)

|      | Coffee | Pigmeat | Poultry | Rice | Rubber | Sugar | All covered |
|------|--------|---------|---------|------|--------|-------|-------------|
| 1986 | -58    | -45     | na      | 1    | na     | na    | -11         |
| 1987 | -74    | -73     | na      | -7   | na     | na    | -29         |
| 1988 | -36    | -27     | na      | 2    | na     | na    | -3          |
| 1989 | -30    | -22     | na      | -7   | na     | na    | -11         |
| 1990 | -34    | -52     | -3      | -37  | 92     | 26    | -36         |
| 1991 | -27    | -46     | -4      | -20  | 14     | 37    | -23         |
| 1992 | -21    | -50     | -4      | -35  | -5     | 38    | -34         |
| 1993 | -12    | -32     | -4      | -25  | 5      | 67    | -23         |
| 1994 | -12    | -8      | -4      | -16  | 0      | 80    | -11         |
| 1995 | -10    | 5       | -4      | -8   | 1      | 61    | -4          |
| 1996 | 0      | 16      | 5       | -7   | 2      | 79    | 0           |
| 1997 | -2     | -37     | 5       | 0    | 8      | 80    | -6          |
| 1998 | -15    | -22     | 6       | -9   | 33     | 105   | -8          |
| 1999 | -8     | 8       | 6       | 22   | 50     | 239   | 21          |
| 2000 | -7     | -4      | 2       | 19   | 24     | 99    | 14          |
| 2001 | -16    | -14     | 2       | 35   | 50     | 97    | 20          |
| 2002 | -16    | 45      | 2       | 4    | 23     | 160   | 14          |
| 2003 | -9     | na      | 2       | 34   | -6     | 218   | 31          |
| 2004 | na     | na      | 2       | 22   | -6     | 227   | 24          |
| 2005 | na     | na      | 2       | 9    | na     | 162   | 12          |

Table 8 (continued): Annual distortion estimates, **Vietnam**, 1986 to 2005 (b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Export-ables     | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1986 | 0                | -11     | -16                  | -13                     | -19              | 50               | -15 | 7                | -21 |
| 1987 | 0                | -29     | -24                  | -27                     | -32              | 53               | -31 | 6                | -35 |
| 1988 | 0                | -3      | -11                  | -6                      | -8               | 44               | -7  | 7                | -13 |
| 1989 | 0                | -11     | -7                   | -9                      | -10              | 2                | -10 | -2               | -8  |
| 1990 | 0                | -36     | -35                  | -36                     | -37              | 17               | -37 | -15              | -26 |
| 1991 | 0                | -23     | -19                  | -22                     | -24              | 21               | -23 | -8               | -17 |
| 1992 | 0                | -34     | -33                  | -34                     | -36              | 18               | -35 | -16              | -22 |
| 1993 | 0                | -23     | -23                  | -23                     | -25              | 31               | -24 | -11              | -15 |
| 1994 | 0                | -11     | -15                  | -12                     | -14              | 41               | -13 | -7               | -7  |
| 1995 | 0                | -4      | -7                   | -4                      | -6               | 41               | -6  | -8               | 3   |
| 1996 | 0                | 0       | -6                   | -2                      | -3               | 50               | -3  | -8               | 5   |
| 1997 | 0                | -6      | 0                    | -5                      | -8               | 52               | -5  | 3                | -8  |
| 1998 | 0                | -8      | -8                   | -8                      | -10              | 66               | -7  | -2               | -6  |
| 1999 | 0                | 21      | 22                   | 21                      | 17               | 119              | 21  | 23               | -1  |
| 2000 | 0                | 14      | 19                   | 15                      | 12               | 50               | 14  | 16               | -2  |
| 2001 | 0                | 20      | 33                   | 24                      | 19               | 54               | 21  | 27               | -4  |
| 2002 | 0                | 14      | 5                    | 11                      | 11               | 70               | 13  | 8                | 5   |
| 2003 | 0                | 31      | 33                   | 32                      | 28               | 79               | 31  | 31               | 1   |
| 2004 | 0                | 24      | 22                   | 23                      | 19               | 84               | 23  | 22               | 1   |
| 2005 | 0                | 12      | 9                    | 11                      | 8                | 56               | 11  | 11               | 1   |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

Table 8 (continued): Annual distortion estimates, **Vietnam**, 1986 to 2005 (c) Value shares of primary production of covered<sup>a</sup> and non-covered products, (percent)

|      | Coffee | Pigmeat | Poultry | Rice | Rubber | Sugar | Non-covered |
|------|--------|---------|---------|------|--------|-------|-------------|
| 1986 | 1      | 14      | na      | 43   | na     | na    | 42          |
| 1987 | 1      | 22      | na      | 47   | na     | na    | 29          |
| 1988 | 1      | 10      | na      | 57   | na     | na    | 32          |
| 1989 | 1      | 14      | na      | 56   | na     | na    | 29          |
| 1990 | 1      | 14      | 2       | 56   | 1      | 2     | 24          |
| 1991 | 1      | 13      | 3       | 53   | 1      | 2     | 28          |
| 1992 | 1      | 12      | 3       | 44   | 1      | 1     | 39          |
| 1993 | 2      | 13      | 3       | 45   | 1      | 1     | 35          |
| 1994 | 2      | 11      | 3       | 45   | 1      | 2     | 36          |
| 1995 | 5      | 12      | 3       | 54   | 1      | 2     | 23          |
| 1996 | 4      | 11      | 3       | 55   | 1      | 2     | 24          |
| 1997 | 5      | 18      | 3       | 46   | 2      | 2     | 24          |
| 1998 | 4      | 13      | 3       | 55   | 1      | 2     | 22          |
| 1999 | 5      | 14      | 3       | 49   | 1      | 1     | 26          |
| 2000 | 6      | 14      | 4       | 42   | 2      | 2     | 31          |
| 2001 | 4      | 16      | 4       | 37   | 1      | 3     | 34          |
| 2002 | 2      | 12      | 4       | 47   | 2      | 1     | 33          |
| 2003 | 2      | na      | 5       | 43   | 4      | 1     | 45          |
| 2004 | na     | na      | 4       | 47   | 4      | 1     | 44          |
| 2005 | na     | na      | 3       | 49   | na     | 1     | 47          |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)

Table 9: Annual distortion estimates, **Bangladesh**, 1974 to 2004  
(a) Nominal rates of assistance to covered products  
(percent)

|      | Jute | Potato | Rice | Sugar | Tea | Wheat | All covered |
|------|------|--------|------|-------|-----|-------|-------------|
| 1974 | -30  | 1      | -26  | 74    | 1   | 39    | -21         |
| 1975 | -53  | 1      | 105  | -9    | -4  | 140   | 78          |
| 1976 | -33  | 2      | -5   | -19   | -14 | -6    | -8          |
| 1977 | -43  | 2      | -26  | 65    | -14 | 18    | -23         |
| 1978 | -38  | 2      | -28  | 209   | -23 | 9     | -24         |
| 1979 | -19  | 2      | -13  | 213   | -17 | -9    | -10         |
| 1980 | -30  | 0      | -12  | 137   | -24 | 1     | -10         |
| 1981 | -40  | 1      | -36  | -13   | -14 | -19   | -33         |
| 1982 | -37  | 1      | 5    | 56    | -5  | -11   | 4           |
| 1983 | -17  | 2      | 3    | 270   | -9  | -1    | 6           |
| 1984 | -22  | 2      | 14   | 236   | -2  | 1     | 14          |
| 1985 | -21  | 2      | 39   | 715   | -12 | 7     | 32          |
| 1986 | -54  | 2      | 8    | 688   | -59 | 14    | 2           |
| 1987 | -44  | 1      | 42   | 338   | -8  | 24    | 38          |
| 1988 | -20  | 2      | 12   | 298   | -9  | 16    | 10          |
| 1989 | -38  | 2      | 1    | 140   | -12 | -5    | 2           |
| 1990 | -28  | 3      | -4   | 124   | 0   | 3     | -1          |
| 1991 | -33  | 3      | 2    | 137   | -14 | 32    | 4           |
| 1992 | -42  | 2      | -2   | 194   | -12 | 5     | 0           |
| 1993 | -46  | 0      | -11  | 205   | -13 | -3    | -7          |
| 1994 | -44  | 2      | -12  | 171   | -21 | -14   | -8          |
| 1995 | -29  | 3      | -1   | 124   | -33 | 6     | 2           |
| 1996 | 15   | 3      | -19  | 111   | -18 | -14   | -14         |
| 1997 | -3   | 3      | -24  | 131   | -21 | -4    | -17         |
| 1998 | 21   | 3      | -15  | 138   | -5  | 9     | -11         |
| 1999 | -32  | 2      | -1   | 192   | -26 | 16    | 2           |
| 2000 | -37  | 1      | 2    | 308   | -16 | 19    | 5           |
| 2001 | -41  | 2      | 9    | 180   | -18 | -1    | 9           |
| 2002 | -29  | 2      | 3    | 149   | -27 | -5    | 4           |
| 2003 | -40  | 2      | 6    | 271   | -22 | -15   | 6           |
| 2004 | -46  | 2      | -8   | 212   | -19 | 1     | -5          |

Table 9 (continued): Annual distortion estimates, **Bangladesh**, 1974 to 2004 (b)  
 Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup>  
 and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural  
 industries (percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Exportables      | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1974 | 1                | -21     | 0                    | -16                     | -29              | -21              | -22 | 46               | -46 |
| 1975 | 0                | 78      | 0                    | 57                      | -48              | 93               | 82  | 29               | 42  |
| 1976 | 1                | -9      | 0                    | -6                      | -32              | -6               | -8  | 27               | -27 |
| 1977 | 1                | -24     | 0                    | -18                     | -39              | -22              | -23 | 28               | -40 |
| 1978 | 1                | -25     | 0                    | -19                     | -36              | -24              | -25 | 29               | -42 |
| 1979 | 2                | -11     | 0                    | -7                      | -19              | -9               | -10 | 30               | -31 |
| 1980 | 1                | -11     | 0                    | -7                      | -29              | -8               | -10 | 18               | -24 |
| 1981 | 1                | -34     | 0                    | -27                     | -36              | -34              | -34 | 24               | -47 |
| 1982 | 1                | 3       | 0                    | 3                       | -32              | 7                | 4   | 22               | -15 |
| 1983 | 1                | 5       | 0                    | 5                       | -16              | 8                | 6   | 23               | -13 |
| 1984 | 1                | 13      | 0                    | 11                      | -17              | 18               | 15  | 25               | -8  |
| 1985 | 1                | 31      | 0                    | 22                      | -19              | 43               | 33  | 25               | 7   |
| 1986 | 1                | 2       | 0                    | 2                       | -55              | 16               | 2   | 29               | -21 |
| 1987 | 1                | 37      | 0                    | 26                      | -37              | 47               | 40  | 33               | 5   |
| 1988 | 1                | 8       | 0                    | 7                       | -18              | 13               | 10  | 29               | -15 |
| 1989 | 2                | -1      | 0                    | 1                       | -33              | 4                | 2   | 26               | -20 |
| 1990 | 2                | -3      | 0                    | 0                       | -23              | 1                | -1  | 29               | -23 |
| 1991 | 2                | 3       | 0                    | 3                       | -30              | 7                | 4   | 32               | -21 |
| 1992 | 1                | -1      | 0                    | 0                       | -36              | 3                | 0   | 35               | -26 |
| 1993 | 0                | -8      | 0                    | -5                      | -39              | -5               | -8  | 32               | -30 |
| 1994 | 1                | -9      | 0                    | -5                      | -37              | -6               | -8  | 39               | -34 |
| 1995 | 2                | -1      | 0                    | 1                       | -30              | 4                | 2   | 29               | -21 |
| 1996 | 2                | -16     | 0                    | -9                      | 5                | -15              | -14 | 30               | -34 |
| 1997 | 3                | -19     | 0                    | -11                     | -8               | -18              | -17 | 30               | -36 |
| 1998 | 2                | -13     | 0                    | -8                      | 13               | -13              | -12 | 32               | -33 |
| 1999 | 2                | 0       | 0                    | 1                       | -30              | 4                | 2   | 25               | -18 |
| 2000 | 2                | 3       | 0                    | 4                       | -31              | 8                | 6   | 25               | -16 |
| 2001 | 2                | 7       | 0                    | 6                       | -34              | 12               | 9   | 25               | -12 |
| 2002 | 3                | 1       | 0                    | 3                       | -28              | 6                | 4   | 21               | -14 |
| 2003 | 3                | 3       | 0                    | 5                       | -35              | 9                | 7   | 26               | -15 |
| 2004 | 3                | -8      | 0                    | -4                      | -37              | -4               | -6  | 20               | -21 |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

Table 9 (continued): Annual distortion estimates, **Bangladesh**, 1974 to 2004: (c)  
 Value shares of primary production of covered<sup>a</sup> and non-covered products,  
 (percent)

|      | Jute | Potato | Rice | Sugar | Tea | Wheat | Non-covered |
|------|------|--------|------|-------|-----|-------|-------------|
| 1974 | 9    | 3      | 61   | 3     | 0   | 1     | 23          |
| 1975 | 5    | 4      | 57   | 7     | 0   | 0     | 27          |
| 1976 | 5    | 3      | 64   | 5     | 1   | 1     | 22          |
| 1977 | 7    | 2      | 67   | 3     | 1   | 1     | 19          |
| 1978 | 6    | 2      | 68   | 1     | 1   | 1     | 21          |
| 1979 | 8    | 2      | 60   | 1     | 1   | 1     | 26          |
| 1980 | 6    | 2      | 63   | 1     | 1   | 2     | 25          |
| 1981 | 4    | 2      | 69   | 4     | 1   | 3     | 18          |
| 1982 | 5    | 3      | 62   | 4     | 1   | 4     | 22          |
| 1983 | 5    | 2      | 64   | 1     | 1   | 4     | 22          |
| 1984 | 5    | 3      | 61   | 1     | 2   | 4     | 25          |
| 1985 | 9    | 3      | 52   | 1     | 2   | 4     | 29          |
| 1986 | 11   | 2      | 52   | 1     | 2   | 3     | 29          |
| 1987 | 4    | 3      | 54   | 1     | 1   | 3     | 33          |
| 1988 | 5    | 3      | 62   | 0     | 1   | 3     | 26          |
| 1989 | 4    | 3      | 63   | 2     | 1   | 3     | 24          |
| 1990 | 4    | 3      | 62   | 2     | 1   | 2     | 27          |
| 1991 | 5    | 2      | 60   | 2     | 1   | 2     | 27          |
| 1992 | 4    | 3      | 61   | 2     | 1   | 3     | 27          |
| 1993 | 3    | 3      | 58   | 2     | 1   | 3     | 30          |
| 1994 | 3    | 4      | 56   | 2     | 1   | 3     | 31          |
| 1995 | 3    | 3      | 58   | 2     | 1   | 3     | 30          |
| 1996 | 2    | 3      | 58   | 2     | 1   | 4     | 31          |
| 1997 | 3    | 3      | 56   | 2     | 1   | 4     | 32          |
| 1998 | 3    | 3      | 59   | 0     | 1   | 5     | 29          |
| 1999 | 2    | 5      | 58   | 1     | 1   | 4     | 29          |
| 2000 | 2    | 7      | 57   | 1     | 1   | 4     | 29          |
| 2001 | 3    | 4      | 56   | 1     | 1   | 4     | 30          |
| 2002 | 3    | 4      | 58   | 1     | 1   | 4     | 28          |
| 2003 | 2    | 6      | 58   | 1     | 1   | 3     | 28          |
| 2004 | 2    | 7      | 61   | 1     | 1   | 3     | 26          |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)

Table 10: Annual distortion estimates, **India**, 1965 to 2004(a) Nominal rates of assistance to covered products  
(percent)

|      | Chi<br>ckp<br>ea | Cott<br>on | Fru<br>it&v<br>eg | Gro<br>und<br>nut | Mai<br>ze | Mil<br>k | Rap<br>ese<br>ed | Rice | Sor<br>ghu<br>m | Soy<br>bea<br>n | Sug<br>ar | Sun<br>flow<br>er | Wh<br>eat | All<br>covt |
|------|------------------|------------|-------------------|-------------------|-----------|----------|------------------|------|-----------------|-----------------|-----------|-------------------|-----------|-------------|
| 1965 | 5                | 33         | 0                 | 54                | 85        | na       | 66               | 0    | 46              | na              | 171       | na                | 47        | 21          |
| 1966 | 4                | 6          | 0                 | 24                | 81        | na       | 40               | -34  | 25              | na              | 181       | na                | 11        | -2          |
| 1967 | 39               | 16         | 0                 | 6                 | 59        | na       | 83               | -37  | 65              | na              | 126       | na                | 19        | -5          |
| 1968 | 0                | 0          | 0                 | 16                | 36        | na       | 64               | -44  | 12              | na              | 224       | na                | 42        | -13         |
| 1969 | 75               | 34         | 0                 | 18                | 57        | na       | 62               | -35  | 60              | na              | 90        | na                | 39        | 0           |
| 1970 | 0                | 85         | 0                 | 0                 | 23        | na       | 56               | -16  | 35              | na              | 52        | na                | 58        | 8           |
| 1971 | 0                | 90         | 0                 | 0                 | 34        | na       | 65               | 0    | 97              | na              | 29        | na                | 53        | 17          |
| 1972 | 0                | 122        | 0                 | 8                 | 106       | na       | 72               | 0    | 39              | na              | 59        | na                | 41        | 19          |
| 1973 | 0                | 107        | 0                 | 0                 | 55        | na       | 0                | -34  | 48              | 0               | 0         | na                | 0         | -6          |
| 1974 | 7                | -12        | 0                 | 0                 | 28        | na       | 1                | -67  | 56              | 0               | -51       | na                | 0         | -36         |
| 1975 | 0                | 0          | 0                 | -31               | -31       | 130      | 0                | -58  | 0               | -16             | -69       | 0                 | 0         | -29         |
| 1976 | 0                | 30         | 0                 | -14               | 0         | 171      | 0                | -36  | 0               | -14             | -16       | 0                 | -3        | -1          |
| 1977 | 0                | 0          | 0                 | -21               | 20        | 176      | 27               | -29  | 45              | -6              | 8         | 0                 | 18        | 5           |
| 1978 | 0                | 15         | 0                 | -18               | 24        | 137      | 34               | -43  | 8               | -28             | 30        | 0                 | 0         | -6          |
| 1979 | 0                | 0          | 0                 | 0                 | 0         | 149      | 22               | -29  | 5               | -10             | 0         | 0                 | 0         | 3           |
| 1980 | 26               | 8          | 0                 | 0                 | 0         | 93       | 50               | -45  | 0               | 0               | -24       | 1                 | 0         | -9          |
| 1981 | 9                | -9         | 0                 | 25                | 0         | 68       | 46               | -54  | 16              | 0               | -18       | 3                 | -2        | -15         |
| 1982 | 0                | 9          | 0                 | 35                | 4         | 97       | 34               | -30  | 10              | 0               | 25        | 28                | 0         | 6           |
| 1983 | 0                | 8          | 0                 | 21                | 9         | 146      | 47               | -13  | 4               | 0               | 21        | 0                 | 0         | 13          |
| 1984 | 3                | -14        | 0                 | 28                | -20       | 164      | 15               | -13  | 2               | -6              | 44        | 7                 | 11        | 15          |
| 1985 | 34               | 6          | 0                 | 41                | 4         | 186      | 12               | 6    | 24              | 9               | 93        | 52                | 12        | 29          |
| 1986 | 3                | 34         | 0                 | 95                | 10        | 192      | 60               | 4    | 66              | 35              | 76        | 117               | 8         | 32          |
| 1987 | 5                | 90         | 0                 | 124               | 86        | 178      | 136              | 8    | 56              | 44              | 68        | 65                | 14        | 43          |
| 1988 | 12               | 25         | 0                 | 18                | 33        | 79       | 113              | -21  | 19              | 5               | 37        | 5                 | 18        | 14          |
| 1989 | 7                | 14         | 0                 | 31                | -1        | 49       | 53               | -16  | 13              | 4               | 6         | 40                | -6        | 8           |
| 1990 | 15               | 10         | 0                 | 39                | 8         | 91       | 113              | -18  | 6               | 5               | 6         | 45                | 29        | 16          |
| 1991 | 9                | 1          | -17               | 36                | 11        | 48       | 77               | -27  | 7               | 4               | 8         | 32                | -5        | 0           |
| 1992 | 9                | 6          | -32               | 4                 | -15       | 16       | 48               | -30  | -3              | 3               | 7         | 4                 | -9        | -12         |
| 1993 | 6                | 31         | -17               | 4                 | 3         | 24       | 49               | -13  | -25             | 1               | 8         | 4                 | 17        | 1           |
| 1994 | 7                | 65         | -13               | 6                 | 9         | 23       | 37               | -17  | 51              | 3               | 8         | 5                 | 21        | 4           |
| 1995 | 16               | -6         | -21               | 7                 | 11        | 0        | 22               | -9   | 2               | 4               | -5        | 7                 | -13       | -7          |
| 1996 | 11               | -6         | -9                | 6                 | -5        | 21       | 19               | -31  | 9               | 3               | 9         | 11                | -15       | -7          |
| 1997 | 24               | 12         | -17               | 8                 | -12       | 20       | 21               | -21  | 13              | 0               | 11        | 10                | 35        | -2          |
| 1998 | 10               | 14         | -2                | 6                 | 8         | 26       | 67               | 0    | 33              | 3               | 10        | 18                | 34        | 11          |
| 1999 | 14               | 16         | -19               | 12                | 11        | 44       | 56               | -5   | 50              | 5               | 37        | 21                | 31        | 8           |
| 2000 | 18               | 22         | -13               | 13                | 12        | 14       | 53               | 15   | 13              | 7               | 29        | 17                | 38        | 9           |
| 2001 | 35               | -1         | 0                 | 11                | 12        | 31       | 36               | 18   | 16              | 7               | 9         | 19                | 36        | 17          |
| 2002 | 16               | 7          | -5                | 17                | 16        | 59       | 72               | 29   | 16              | 10              | 44        | 16                | 47        | 26          |
| 2003 | 11               | 17         | -14               | 15                | 9         | 40       | 89               | 19   | 15              | -2              | 51        | 11                | 34        | 16          |
| 2004 | 13               | 15         | -13               | 9                 | 10        | 17       | 75               | 22   | 18              | -8              | 63        | 10                | 37        | 11          |



Table 10 (continued): Annual distortion estimates, **India**, 1965 to 2004 (b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Exportables      | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1965 | 0                | 21      | 20                   | 20                      | na               | 55               | 54  | 113 <sup>d</sup> | -56 |
| 1966 | 0                | -2      | -3                   | -2                      | -34              | 33               | -4  | 113 <sup>d</sup> | -55 |
| 1967 | 0                | -5      | -5                   | -5                      | -37              | 35               | -6  | 113 <sup>d</sup> | -56 |
| 1968 | 0                | -13     | -13                  | -13                     | -44              | 39               | -17 | 113 <sup>d</sup> | -61 |
| 1969 | 0                | 0       | 0                    | 0                       | -35              | 46               | 0   | 113 <sup>d</sup> | -53 |
| 1970 | 0                | 8       | 8                    | 8                       | -16              | 53               | 12  | 79               | -37 |
| 1971 | 0                | 17      | 17                   | 17                      | 0                | 61               | 61  | 85               | -13 |
| 1972 | 0                | 19      | 19                   | 19                      | 0                | 53               | 53  | 81               | -16 |
| 1973 | 0                | -6      | -6                   | -6                      | -34              | 73               | -13 | 83               | -52 |
| 1974 | 0                | -36     | -36                  | -36                     | -61              | 24               | -50 | 87               | -73 |
| 1975 | 0                | -29     | -28                  | -28                     | -57              | 77               | -39 | 66               | -64 |
| 1976 | 0                | -1      | -1                   | -1                      | -25              | 110              | -2  | 57               | -38 |
| 1977 | 0                | 5       | 5                    | 5                       | -28              | 58               | 6   | 64               | -35 |
| 1978 | 0                | -6      | -6                   | -6                      | -40              | 59               | -9  | 61               | -43 |
| 1979 | 0                | 3       | 3                    | 3                       | -29              | 69               | 7   | 76               | -39 |
| 1980 | 0                | -9      | -9                   | -9                      | -43              | 57               | -15 | 82               | -53 |
| 1981 | 0                | -15     | -15                  | -15                     | -39              | 42               | -18 | 63               | -50 |
| 1982 | 0                | 6       | 5                    | 6                       | -30              | 46               | 9   | 54               | -29 |
| 1983 | 0                | 13      | 13                   | 13                      | -13              | 54               | 21  | 56               | -22 |
| 1984 | 3                | 11      | 15                   | 15                      | -14              | 95               | 23  | 42               | -13 |
| 1985 | 5                | 24      | 29                   | 29                      | 4                | 99               | 85  | 49               | 25  |
| 1986 | 3                | 29      | 32                   | 32                      | 0                | 102              | 102 | 52               | 32  |
| 1987 | 5                | 38      | 43                   | 43                      | 0                | 122              | 123 | 59               | 40  |
| 1988 | 5                | 9       | 14                   | 14                      | -21              | 49               | 18  | 46               | -19 |
| 1989 | 5                | 3       | 8                    | 8                       | -13              | 35               | 10  | 37               | -20 |
| 1990 | 7                | 9       | 16                   | 16                      | -14              | 72               | 21  | 35               | -11 |
| 1991 | 5                | -5      | 0                    | 0                       | -19              | 42               | -1  | 13               | -12 |
| 1992 | 5                | -17     | -12                  | -12                     | -25              | 19               | -15 | 2                | -16 |
| 1993 | 5                | -4      | 1                    | 1                       | -10              | 27               | 0   | 11               | -9  |
| 1994 | 7                | -2      | 4                    | 4                       | -9               | 31               | 4   | 19               | -13 |
| 1995 | 7                | -14     | -7                   | -7                      | -13              | 2                | -9  | 19               | -24 |
| 1996 | 6                | -13     | -7                   | -7                      | -19              | 21               | -9  | 15               | -22 |
| 1997 | 7                | -9      | -2                   | -2                      | -18              | 20               | -7  | 11               | -16 |
| 1998 | 8                | 3       | 11                   | 11                      | 0                | 26               | 9   | 10               | -1  |
| 1999 | 8                | 0       | 8                    | 8                       | -12              | 44               | 5   | 8                | -2  |
| 2000 | 9                | 1       | 9                    | 9                       | -2               | 18               | 7   | 4                | 3   |
| 2001 | 10               | 7       | 17                   | 17                      | -1               | 31               | 29  | 0                | 28  |
| 2002 | 12               | 14      | 26                   | 26                      | -4               | 55               | 24  | 4                | 19  |
| 2003 | 9                | 7       | 16                   | 16                      | -13              | 42               | 12  | 13               | -1  |
| 2004 | 9                | 2       | 11                   | 11                      | -12              | 25               | 5   | na               | na  |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

d. NRAs to nonagriculture are not estimated, but based on authors' assumptions

Table 10 (continued): Annual distortion estimates, **India**, 1965 to 2004:  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Chi<br>ckp<br>ea | Cott<br>on | Fru<br>t&v<br>eg | Gro<br>und<br>nut | Mai<br>ze | Mil<br>k | Rap<br>ese<br>ed | Ric<br>e | Sor<br>ghu<br>m | Soy<br>bea<br>n | Sug<br>ar | Sun<br>flo<br>wer | Wh<br>eat | No<br>n-<br>cov |
|------|------------------|------------|------------------|-------------------|-----------|----------|------------------|----------|-----------------|-----------------|-----------|-------------------|-----------|-----------------|
| 1965 | 3                | 3          | 15               | 4                 | 2         | na       | 1                | 21       | 3               | na              | 2         | na                | 4         | 43              |
| 1966 | 2                | 3          | 13               | 3                 | 2         | na       | 1                | 22       | 3               | na              | 2         | na                | 4         | 45              |
| 1967 | 3                | 3          | 13               | 3                 | 2         | na       | 1                | 28       | 3               | na              | 1         | na                | 6         | 39              |
| 1968 | 2                | 3          | 12               | 3                 | 1         | na       | 1                | 30       | 3               | na              | 1         | na                | 5         | 39              |
| 1969 | 2                | 3          | 16               | 4                 | 1         | na       | 1                | 26       | 2               | na              | 2         | na                | 6         | 38              |
| 1970 | 3                | 2          | 15               | 5                 | 2         | na       | 1                | 24       | 3               | na              | 2         | na                | 7         | 37              |
| 1971 | 3                | 3          | 16               | 5                 | 2         | na       | 1                | 22       | 2               | na              | 2         | na                | 8         | 36              |
| 1972 | 3                | 3          | 18               | 4                 | 1         | na       | 1                | 19       | 2               | na              | 2         | na                | 7         | 38              |
| 1973 | 2                | 2          | 13               | 5                 | 1         | na       | 1                | 24       | 2               | 0               | 3         | na                | 5         | 40              |
| 1974 | 2                | 3          | 9                | 3                 | 1         | na       | 1                | 32       | 2               | 0               | 3         | na                | 5         | 39              |
| 1975 | 2                | 2          | 8                | 3                 | 2         | 4        | 1                | 31       | 2               | 0               | 7         | 0                 | 6         | 32              |
| 1976 | 2                | 3          | 13               | 4                 | 2         | 5        | 1                | 23       | 3               | 0               | 3         | 0                 | 8         | 33              |
| 1977 | 2                | 4          | 13               | 5                 | 1         | 5        | 1                | 25       | 3               | 0               | 3         | 0                 | 7         | 31              |
| 1978 | 2                | 3          | 12               | 4                 | 1         | 5        | 1                | 29       | 2               | 0               | 2         | 0                 | 8         | 30              |
| 1979 | 1                | 4          | 14               | 4                 | 1         | 5        | 1                | 21       | 3               | 0               | 3         | 0                 | 8         | 34              |
| 1980 | 2                | 3          | 12               | 3                 | 1         | 6        | 1                | 25       | 2               | 0               | 3         | 0                 | 7         | 35              |
| 1981 | 2                | 3          | 11               | 3                 | 1         | 7        | 1                | 28       | 2               | 0               | 4         | 0                 | 6         | 32              |
| 1982 | 2                | 3          | 14               | 2                 | 1         | 7        | 1                | 20       | 2               | 0               | 4         | 0                 | 9         | 34              |
| 1983 | 2                | 3          | 14               | 4                 | 1         | 6        | 1                | 20       | 3               | 0               | 3         | 0                 | 9         | 34              |
| 1984 | 2                | 4          | 16               | 3                 | 2         | 6        | 2                | 19       | 2               | 0               | 2         | 0                 | 8         | 33              |
| 1985 | 3                | 3          | 19               | 2                 | 1         | 7        | 1                | 19       | 2               | 0               | 2         | 0                 | 9         | 31              |
| 1986 | 2                | 2          | 22               | 2                 | 2         | 7        | 1                | 18       | 1               | 0               | 2         | 0                 | 9         | 32              |
| 1987 | 2                | 3          | 20               | 2                 | 1         | 8        | 1                | 15       | 2               | 1               | 3         | 0                 | 8         | 34              |
| 1988 | 2                | 2          | 15               | 3                 | 1         | 9        | 1                | 19       | 2               | 1               | 3         | 0                 | 6         | 33              |
| 1989 | 2                | 3          | 14               | 3                 | 1         | 12       | 1                | 19       | 2               | 1               | 4         | 0                 | 7         | 31              |
| 1990 | 2                | 3          | 15               | 3                 | 1         | 9        | 1                | 20       | 2               | 1               | 5         | 1                 | 6         | 30              |
| 1991 | 1                | 3          | 15               | 2                 | 1         | 11       | 1                | 19       | 1               | 1               | 4         | 0                 | 6         | 32              |
| 1992 | 1                | 2          | 17               | 3                 | 1         | 12       | 1                | 18       | 1               | 1               | 4         | 0                 | 6         | 32              |
| 1993 | 2                | 3          | 16               | 3                 | 1         | 13       | 1                | 18       | 2               | 1               | 3         | 0                 | 6         | 30              |
| 1994 | 2                | 3          | 16               | 3                 | 1         | 14       | 2                | 19       | 1               | 2               | 3         | 1                 | 7         | 27              |
| 1995 | 1                | 3          | 17               | 2                 | 1         | 16       | 2                | 14       | 1               | 1               | 5         | 0                 | 7         | 29              |
| 1996 | 1                | 3          | 15               | 2                 | 1         | 13       | 2                | 19       | 1               | 2               | 4         | 0                 | 7         | 30              |
| 1997 | 2                | 3          | 21               | 2                 | 1         | 14       | 1                | 19       | 1               | 2               | 4         | 0                 | 6         | 26              |
| 1998 | 2                | 3          | 20               | 3                 | 1         | 15       | 1                | 17       | 1               | 1               | 3         | 0                 | 6         | 27              |
| 1999 | 1                | 2          | 22               | 1                 | 1         | 13       | 1                | 18       | 1               | 1               | 3         | 0                 | 7         | 29              |
| 2000 | 1                | 2          | 22               | 1                 | 1         | 18       | 1                | 13       | 1               | 1               | 4         | 0                 | 6         | 29              |
| 2001 | 2                | 2          | 20               | 2                 | 1         | 16       | 1                | 14       | 1               | 1               | 5         | 0                 | 7         | 29              |
| 2002 | 1                | 1          | 23               | 1                 | 1         | 16       | 1                | 11       | 1               | 1               | 4         | 0                 | 7         | 32              |
| 2003 | 2                | 2          | 23               | 2                 | 1         | 15       | 1                | 11       | 1               | 2               | 3         | 0                 | 6         | 31              |
| 2004 | 1                | 2          | 22               | 2                 | 1         | 17       | 1                | 10       | 1               | 2               | 2         | 0                 | 6         | 31              |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)

Table 11: Annual distortion estimates, **Pakistan**, 1962 to 2005  
(a) Nominal rates of assistance to covered products  
(percent)

|      | Cotton | Maize | Milk | Rice | Sugar | Wheat | All covered |
|------|--------|-------|------|------|-------|-------|-------------|
| 1962 | -22    | -17   | na   | -52  | 193   | -7    | 7           |
| 1963 | -17    | -16   | na   | -42  | 191   | -16   | 6           |
| 1964 | -18    | -27   | na   | -45  | 27    | -17   | -16         |
| 1965 | -3     | -14   | 63   | -42  | 84    | 6     | 15          |
| 1966 | -19    | -26   | 63   | -42  | 266   | -11   | 17          |
| 1967 | -24    | -4    | 60   | -53  | 228   | 31    | 24          |
| 1968 | -19    | 6     | 81   | -53  | 296   | 18    | 22          |
| 1969 | -23    | -11   | 85   | -31  | 296   | 12    | 29          |
| 1970 | -11    | -11   | 140  | -14  | 199   | 19    | 45          |
| 1971 | 9      | -21   | 143  | 2    | 140   | 19    | 47          |
| 1972 | 1      | 19    | 241  | 6    | 192   | 7     | 42          |
| 1973 | -8     | -41   | 26   | -62  | 11    | -69   | -48         |
| 1974 | -22    | -44   | 70   | -68  | 25    | -57   | -38         |
| 1975 | -2     | -11   | 67   | -59  | -35   | -14   | -19         |
| 1976 | -8     | -24   | 18   | -46  | -18   | -13   | -15         |
| 1977 | -40    | -32   | 38   | -20  | 26    | -26   | -11         |
| 1978 | 2      | -8    | 43   | -36  | 92    | -23   | -4          |
| 1979 | 22     | 9     | 108  | -44  | 102   | -29   | -11         |
| 1980 | -8     | -14   | 59   | -48  | 63    | -36   | -20         |
| 1981 | -17    | -19   | 68   | -46  | -14   | -30   | -22         |
| 1982 | 32     | 18    | 47   | -34  | 61    | -2    | 7           |
| 1983 | -5     | 5     | 14   | -34  | 123   | -21   | -8          |
| 1984 | 14     | -20   | 49   | -34  | 129   | -23   | -4          |
| 1985 | -20    | -20   | 46   | -42  | 178   | -18   | -6          |
| 1986 | 4      | -22   | 43   | -51  | 155   | -15   | -5          |
| 1987 | 24     | -10   | 45   | -40  | 115   | -24   | -1          |
| 1988 | -18    | 43    | 78   | -40  | 124   | -18   | 0           |
| 1989 | -20    | 14    | 59   | -47  | 45    | -33   | -16         |
| 1990 | -43    | -23   | 15   | -46  | 21    | -46   | -32         |
| 1991 | -31    | -9    | 22   | -9   | 21    | -26   | -13         |
| 1992 | -17    | 15    | 22   | -5   | 78    | -17   | -2          |
| 1993 | -1     | 11    | 44   | 3    | 85    | -23   | 0           |
| 1994 | -8     | -6    | 24   | -3   | 56    | -23   | -4          |
| 1995 | -18    | 3     | 25   | 1    | 33    | -19   | -5          |
| 1996 | -13    | 2     | 24   | 2    | 43    | -32   | -7          |
| 1997 | -6     | -21   | 1    | -2   | 75    | -35   | -14         |
| 1998 | -4     | 0     | 9    | 9    | 51    | -13   | 1           |
| 1999 | 1      | 7     | 25   | -1   | 70    | -2    | 12          |
| 2000 | 17     | 8     | 26   | -15  | 145   | 9     | 17          |
| 2001 | 5      | -15   | 14   | -11  | 107   | -15   | 1           |
| 2002 | 18     | -17   | 4    | -13  | 62    | -27   | -7          |
| 2003 | -2     | -12   | 44   | -13  | 82    | -29   | -2          |
| 2004 | 3      | -15   | 18   | -18  | 51    | -13   | -1          |
| 2005 | 0      | -13   | 13   | -21  | 73    | -9    | -2          |

Table 11 (continued): Annual distortion estimates, **Pakistan**, 1962 to 2005 (b)  
 Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup>  
 and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural  
 industries (percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Exportables      | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1962 | -4               | 11      | 0                    | 5                       | -36              | 20               | 7   | 164              | -59 |
| 1963 | -5               | 11      | 0                    | 4                       | -27              | 15               | 6   | 175              | -61 |
| 1964 | -4               | -13     | 0                    | -11                     | -36              | -8               | -16 | 185              | -71 |
| 1965 | -1               | 17      | 0                    | 11                      | -30              | 31               | 15  | 227              | -65 |
| 1966 | -1               | 18      | 0                    | 12                      | -33              | 38               | 17  | 199              | -61 |
| 1967 | -2               | 26      | 0                    | 17                      | -43              | 53               | 24  | 214              | -61 |
| 1968 | -5               | 28      | 0                    | 16                      | -43              | 48               | 22  | 232              | -63 |
| 1969 | -1               | 31      | 0                    | 22                      | -28              | 55               | 29  | 250              | -63 |
| 1970 | -2               | 47      | 0                    | 33                      | -13              | 64               | 45  | 236              | -57 |
| 1971 | -6               | 53      | 0                    | 35                      | 5                | 59               | 47  | 261              | -59 |
| 1972 | -13              | 54      | 0                    | 30                      | 3                | 56               | 42  | 153              | -44 |
| 1973 | 5                | -54     | 0                    | -36                     | -43              | -49              | -48 | 51               | -66 |
| 1974 | 7                | -45     | 0                    | -29                     | -53              | -33              | -38 | 33               | -54 |
| 1975 | 7                | -26     | 0                    | -14                     | -46              | -8               | -19 | 25               | -35 |
| 1976 | 5                | -20     | 0                    | -11                     | -35              | -9               | -15 | 44               | -41 |
| 1977 | 2                | -13     | 0                    | -8                      | -29              | -6               | -11 | 53               | -42 |
| 1978 | 3                | -7      | 0                    | -3                      | -25              | 3                | -4  | 47               | -35 |
| 1979 | 5                | -16     | 0                    | -7                      | -32              | -2               | -11 | 51               | -41 |
| 1980 | 4                | -24     | 0                    | -14                     | -37              | -14              | -20 | 55               | -49 |
| 1981 | 5                | -27     | 0                    | -15                     | -38              | -16              | -22 | 55               | -50 |
| 1982 | 4                | 3       | 0                    | 5                       | -20              | 18               | 7   | 45               | -26 |
| 1983 | 2                | -10     | 0                    | -5                      | -26              | -1               | -8  | 41               | -35 |
| 1984 | 2                | -5      | 0                    | -2                      | -24              | 4                | -4  | 46               | -34 |
| 1985 | 4                | -10     | 0                    | -4                      | -35              | 6                | -6  | 45               | -35 |
| 1986 | 3                | -8      | 0                    | -3                      | -35              | 7                | -5  | 50               | -37 |
| 1987 | 2                | -4      | 0                    | -1                      | -22              | 6                | -1  | 46               | -32 |
| 1988 | 3                | -3      | 0                    | 0                       | -31              | 16               | 0   | 41               | -30 |
| 1989 | 3                | -19     | 0                    | -11                     | -37              | -8               | -16 | 44               | -42 |
| 1990 | 2                | -34     | 0                    | -22                     | -45              | -28              | -32 | 48               | -54 |
| 1991 | 2                | -15     | 0                    | -9                      | -22              | -10              | -13 | 41               | -38 |
| 1992 | 3                | -5      | 0                    | -1                      | -12              | 2                | -2  | 38               | -29 |
| 1993 | 2                | -2      | 0                    | 0                       | 1                | 0                | 0   | 34               | -25 |
| 1994 | 2                | -6      | 0                    | -3                      | -5               | -4               | -4  | 35               | -29 |
| 1995 | 2                | -7      | 0                    | -3                      | -12              | -3               | -5  | 34               | -29 |
| 1996 | 3                | -10     | 0                    | -5                      | -7               | -7               | -7  | 32               | -29 |
| 1997 | 2                | -16     | 0                    | -10                     | -4               | -16              | -14 | 26               | -32 |
| 1998 | 2                | -1      | 0                    | 1                       | 2                | 1                | 1   | 24               | -19 |
| 1999 | 1                | 12      | 0                    | 9                       | 0                | 16               | 12  | 19               | -5  |
| 2000 | 1                | 16      | 0                    | 12                      | -5               | 23               | 17  | 17               | 0   |
| 2001 | 2                | -1      | 0                    | 1                       | -3               | 2                | 1   | 15               | -12 |
| 2002 | 1                | -9      | 0                    | -5                      | -1               | -9               | -7  | 11               | -16 |
| 2003 | 1                | -3      | 0                    | -2                      | -9               | 0                | -2  | 15               | -15 |
| 2004 | 1                | -2      | 0                    | -1                      | -10              | 2                | -1  | 15               | -14 |
| 2005 | 2                | -4      | 0                    | -1                      | -14              | 2                | -2  | 14               | -14 |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

Table 11 (continued): Annual distortion estimates, **Pakistan**, 1962 to 2005: (c) Value shares of primary production of covered<sup>a</sup> and non-covered products, (percent)

|      | Cotton | Maize | Milk | Rice | Sugar | Wheat | Non-covered |
|------|--------|-------|------|------|-------|-------|-------------|
| 1962 | 9      | 4     | na   | 8    | 7     | 42    | 31          |
| 1963 | 8      | 4     | na   | 6    | 8     | 43    | 31          |
| 1964 | 7      | 4     | na   | 14   | 11    | 34    | 31          |
| 1965 | 6      | 3     | 12   | 12   | 8     | 28    | 31          |
| 1966 | 7      | 3     | 14   | 12   | 5     | 27    | 31          |
| 1967 | 7      | 5     | 12   | 14   | 4     | 27    | 30          |
| 1968 | 6      | 3     | 10   | 14   | 3     | 33    | 30          |
| 1969 | 8      | 3     | 12   | 15   | 5     | 31    | 27          |
| 1970 | 8      | 3     | 10   | 11   | 7     | 35    | 26          |
| 1971 | 8      | 4     | 12   | 9    | 9     | 34    | 26          |
| 1972 | 10     | 3     | 7    | 9    | 5     | 39    | 27          |
| 1973 | 4      | 2     | 7    | 8    | 6     | 47    | 25          |
| 1974 | 7      | 2     | 6    | 14   | 6     | 40    | 26          |
| 1975 | 4      | 2     | 7    | 16   | 13    | 30    | 27          |
| 1976 | 4      | 2     | 11   | 12   | 13    | 30    | 28          |
| 1977 | 7      | 3     | 11   | 10   | 9     | 34    | 27          |
| 1978 | 5      | 2     | 10   | 13   | 6     | 35    | 29          |
| 1979 | 4      | 2     | 5    | 16   | 4     | 39    | 30          |
| 1980 | 5      | 2     | 6    | 14   | 5     | 38    | 30          |
| 1981 | 5      | 2     | 5    | 13   | 12    | 32    | 31          |
| 1982 | 4      | 2     | 8    | 16   | 8     | 30    | 31          |
| 1983 | 5      | 2     | 9    | 13   | 4     | 34    | 31          |
| 1984 | 4      | 2     | 8    | 14   | 5     | 33    | 33          |
| 1985 | 6      | 2     | 9    | 14   | 3     | 33    | 33          |
| 1986 | 5      | 2     | 9    | 14   | 3     | 33    | 33          |
| 1987 | 5      | 2     | 10   | 13   | 6     | 32    | 32          |
| 1988 | 10     | 2     | 9    | 14   | 4     | 31    | 30          |
| 1989 | 7      | 2     | 8    | 12   | 5     | 34    | 32          |
| 1990 | 9      | 2     | 9    | 10   | 5     | 33    | 33          |
| 1991 | 11     | 2     | 11   | 7    | 6     | 33    | 29          |
| 1992 | 11     | 2     | 11   | 6    | 4     | 31    | 35          |
| 1993 | 7      | 2     | 10   | 6    | 4     | 35    | 36          |
| 1994 | 7      | 2     | 12   | 7    | 5     | 31    | 36          |
| 1995 | 11     | 2     | 10   | 5    | 5     | 30    | 36          |
| 1996 | 9      | 2     | 16   | 5    | 4     | 29    | 36          |
| 1997 | 7      | 2     | 19   | 6    | 3     | 32    | 30          |
| 1998 | 6      | 2     | 19   | 5    | 6     | 31    | 30          |
| 1999 | 7      | 2     | 20   | 9    | 6     | 28    | 29          |
| 2000 | 5      | 2     | 20   | 11   | 3     | 31    | 27          |
| 2001 | 7      | 2     | 19   | 7    | 3     | 33    | 28          |
| 2002 | 5      | 2     | 19   | 8    | 5     | 32    | 29          |
| 2003 | 6      | 2     | 14   | 10   | 5     | 34    | 30          |
| 2004 | 7      | 2     | 16   | 11   | 5     | 30    | 30          |
| 2005 | 6      | 3     | 16   | 11   | 3     | 31    | 30          |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)

Table 12: Annual distortion estimates, **Sri Lanka**, 1955 to 2004

(a) Nominal rates of assistance to covered products (percent)

|      | Chillies | Coconut | Onion | Potato | Rice | Rubber | Tea | All covered |
|------|----------|---------|-------|--------|------|--------|-----|-------------|
| 1955 | na       | -35     | na    | na     | 42   | -18.0  | -23 | -14         |
| 1956 | na       | -24     | na    | na     | 51   | -3.6   | -18 | -8          |
| 1957 | na       | -28     | na    | na     | 70   | -19.0  | -23 | -10         |
| 1958 | na       | -29     | na    | na     | 95   | -24.9  | -25 | -9          |
| 1959 | na       | -28     | na    | na     | 54   | -13.5  | -22 | -11         |
| 1960 | na       | -32     | na    | na     | 42   | -38.5  | -32 | -21         |
| 1961 | na       | -37     | na    | na     | 32   | -45.6  | -35 | -26         |
| 1962 | na       | -23     | na    | na     | -7   | -53    | -40 | -31         |
| 1963 | na       | -26     | na    | na     | 4    | -59    | -44 | -34         |
| 1964 | na       | -30     | na    | na     | -11  | -62    | -46 | -38         |
| 1965 | na       | -31     | na    | na     | -16  | -59    | -43 | -38         |
| 1966 | na       | -18     | na    | na     | -23  | -70    | -51 | -44         |
| 1967 | na       | -19     | na    | na     | -9   | -57    | -44 | -32         |
| 1968 | na       | -34     | na    | na     | 1    | -25    | -28 | -20         |
| 1969 | na       | -23     | na    | na     | 18   | -34    | -30 | -15         |
| 1970 | na       | -22     | na    | na     | 15   | -48    | -36 | -19         |
| 1971 | na       | -48     | na    | na     | 7    | -60    | -41 | -7          |
| 1972 | na       | -33     | na    | na     | 3    | -56    | -44 | -31         |
| 1973 | na       | -26     | na    | na     | 42   | -45    | -30 | -10         |
| 1974 | na       | -34     | na    | na     | -22  | -72    | -33 | -35         |
| 1975 | na       | -30     | na    | na     | -12  | -61    | -39 | -31         |
| 1976 | na       | -4      | na    | 91     | -16  | -70    | -40 | -35         |
| 1977 | na       | -37     | na    | 23     | 38   | -38    | -15 | -11         |
| 1978 | 36       | -53     | -36   | 150    | -18  | -61    | -45 | -38         |
| 1979 | 69       | -58     | 13    | 46     | -29  | -67    | -48 | -45         |
| 1980 | 52       | -52     | -9    | -41    | -12  | -55    | -36 | -33         |
| 1981 | 36       | -25     | 97    | 164    | -4   | -53    | -35 | -18         |
| 1982 | 48       | -9      | 16    | 25     | -1   | -48    | -30 | -12         |
| 1983 | 35       | 1       | 11    | 28     | -10  | -48    | -26 | -15         |
| 1984 | -5       | -13     | 28    | 40     | -2   | -54    | -25 | -17         |
| 1985 | 22       | -14     | 51    | 70     | 8    | -30    | -30 | -7          |
| 1986 | 0        | 26      | 59    | 80     | 23   | -31    | -25 | 5           |
| 1987 | -22      | 25      | -62   | -39    | 7    | -30    | -21 | -8          |
| 1988 | 30       | -21     | -87   | 14     | -29  | -54    | -33 | -33         |
| 1989 | 5        | -42     | -25   | 38     | -10  | -43    | -20 | -20         |
| 1990 | 41       | -45     | -47   | 67     | 4    | -46    | -25 | -14         |
| 1991 | 47       | -33     | 3     | 178    | -1   | -40    | -28 | -8          |
| 1992 | 32       | -34     | -42   | 146    | 8    | -15    | -5  | -5          |
| 1993 | 73       | -26     | 68    | 144    | 18   | -4     | -2  | 9           |
| 1994 | 118      | -35     | 236   | 253    | 14   | -4     | -2  | 10          |
| 1995 | 102      | -42     | 61    | 177    | 29   | -5     | -2  | 10          |
| 1996 | 59       | -30     | 86    | 66     | 15   | -7     | -2  | 0           |
| 1997 | 74       | 10      | 65    | 83     | 22   | -7     | -1  | 13          |
| 1998 | 83       | 35      | 108   | 149    | 6    | -3     | -1  | 16          |
| 1999 | 67       | 20      | 78    | 150    | 23   | 0      | -2  | 18          |
| 2000 | 71       | 25      | 65    | 160    | 3    | 0      | -1  | 11          |
| 2001 | 81       | 50      | 78    | 225    | 7    | 0      | -2  | 19          |
| 2002 | 63       | 19      | 37    | 181    | 23   | 0      | -1  | 17          |
| 2003 | 54       | 1       | 34    | 257    | -5   | 0      | -1  | 2           |
| 2004 | na       | -10     | na    | na     | -9   | -1     | -1  | -6          |

Table 12 (continued): Annual distortion estimates, **Sri Lanka**, 1955 to 2004 (b)  
 Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup>  
 and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural  
 industries  
 (percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Export-ables     | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1955 | 0                | -14     | 6                    | -7                      | -25              | 42               | -8  | 105              | -55 |
| 1956 | 0                | -8      | 12                   | -1                      | -16              | 51               | -1  | 105              | -52 |
| 1957 | 0                | -10     | 16                   | -1                      | -23              | 70               | -2  | 105              | -52 |
| 1958 | 0                | -9      | 23                   | 2                       | -26              | 95               | 2   | 105              | -50 |
| 1959 | 0                | -11     | 10                   | -4                      | -23              | 54               | -4  | 104              | -53 |
| 1960 | 0                | -21     | 3                    | -13                     | -34              | 42               | -14 | 103              | -58 |
| 1961 | 0                | -26     | -2                   | -18                     | -38              | 32               | -20 | 114              | -63 |
| 1962 | 0                | -31     | -15                  | -26                     | -39              | -7               | -29 | 130              | -69 |
| 1963 | 0                | -34     | -13                  | -27                     | -44              | 4                | -30 | 135              | -70 |
| 1964 | 0                | -38     | -19                  | -31                     | -46              | -11              | -36 | 142              | -73 |
| 1965 | 0                | -38     | -20                  | -32                     | -43              | -16              | -36 | 158              | -75 |
| 1966 | 0                | -44     | -24                  | -37                     | -50              | -23              | -42 | 172              | -79 |
| 1967 | 0                | -32     | -17                  | -26                     | -41              | -9               | -30 | 165              | -74 |
| 1968 | 0                | -20     | -10                  | -17                     | -30              | 1                | -19 | 124              | -64 |
| 1969 | 0                | -15     | -3                   | -11                     | -29              | 18               | -12 | 73               | -50 |
| 1970 | 0                | -19     | -6                   | -15                     | -35              | 15               | -17 | 77               | -53 |
| 1971 | 0                | -7      | -14                  | -9                      | -48              | 7                | -11 | 93               | -54 |
| 1972 | 0                | -31     | -14                  | -24                     | -44              | 3                | -28 | 93               | -63 |
| 1973 | 0                | -10     | 3                    | -4                      | -34              | 42               | -5  | 52               | -38 |
| 1974 | 0                | -35     | -22                  | -29                     | -45              | -22              | -34 | 39               | -53 |
| 1975 | 0                | -31     | -18                  | -25                     | -43              | -12              | -30 | 43               | -51 |
| 1976 | 0                | -35     | -20                  | -29                     | -45              | -13              | -33 | 65               | -60 |
| 1977 | 0                | -11     | 3                    | -5                      | -28              | 37               | -7  | 55               | -40 |
| 1978 | 0                | -38     | -22                  | -31                     | -52              | -13              | -37 | 51               | -58 |
| 1979 | 0                | -45     | -25                  | -37                     | -58              | -17              | -43 | 51               | -62 |
| 1980 | 0                | -33     | -19                  | -26                     | -48              | -8               | -32 | 51               | -55 |
| 1981 | 0                | -18     | -10                  | -11                     | -34              | 5                | -17 | 56               | -47 |
| 1982 | 0                | -12     | -7                   | -8                      | -25              | 4                | -12 | 56               | -43 |
| 1983 | 0                | -15     | -9                   | -11                     | -22              | -4               | -14 | 56               | -45 |
| 1984 | 0                | -17     | -9                   | -13                     | -26              | 0                | -16 | 68               | -50 |
| 1985 | 0                | -7      | -3                   | -4                      | -23              | 15               | -7  | 68               | -44 |
| 1986 | 0                | 5       | 4                    | 6                       | -10              | 22               | 5   | 68               | -37 |
| 1987 | 0                | -8      | -5                   | -6                      | -6               | -10              | -8  | 53               | -40 |
| 1988 | 0                | -33     | -22                  | -29                     | -35              | -32              | -33 | 53               | -56 |
| 1989 | 0                | -20     | -13                  | -17                     | -33              | -5               | -20 | 53               | -48 |
| 1990 | 0                | -14     | -9                   | -13                     | -35              | 7                | -14 | 45               | -41 |
| 1991 | 0                | -8      | -6                   | -7                      | -32              | 15               | -8  | 45               | -37 |
| 1992 | 0                | -5      | -4                   | -4                      | -23              | 12               | -5  | 52               | -38 |
| 1993 | 0                | 9       | 7                    | 8                       | -14              | 34               | 10  | 50               | -27 |
| 1994 | 0                | 10      | 9                    | 10                      | -18              | 44               | 11  | 43               | -23 |
| 1995 | 0                | 10      | 9                    | 11                      | -20              | 47               | 11  | 37               | -19 |
| 1996 | 0                | 0       | 4                    | 3                       | -16              | 29               | 2   | 40               | -27 |
| 1997 | 0                | 13      | 12                   | 14                      | 3                | 32               | 14  | 36               | -16 |
| 1998 | 0                | 16      | 11                   | 16                      | 13               | 20               | 16  | 35               | -14 |
| 1999 | 0                | 18      | 14                   | 18                      | 10               | 32               | 19  | 33               | -11 |
| 2000 | 0                | 11      | 8                    | 11                      | 10               | 14               | 11  | 21               | -8  |
| 2001 | 0                | 19      | 13                   | 19                      | 17               | 22               | 19  | 23               | -3  |
| 2002 | 0                | 17      | 13                   | 17                      | 8                | 32               | 17  | 23               | -4  |
| 2003 | 0                | 2       | 2                    | 4                       | 0                | 6                | 3   | 25               | -18 |
| 2004 | 0                | -6      | -5                   | -4                      | -4               | -9               | -6  | 22               | -23 |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

Table 12 (continued): Annual distortion estimates, **Sri Lanka**, 1955 to 2004: (c)  
Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Chillies | Coconut | Onion | Potato | Rice | Rubber | Tea | Non-covered |
|------|----------|---------|-------|--------|------|--------|-----|-------------|
| 1955 | na       | 15      | na    | na     | 11   | 12     | 27  | 34          |
| 1956 | na       | 16      | na    | na     | 9    | 13     | 28  | 34          |
| 1957 | na       | 16      | na    | na     | 9    | 13     | 27  | 34          |
| 1958 | na       | 18      | na    | na     | 9    | 12     | 27  | 34          |
| 1959 | na       | 21      | na    | na     | 10   | 11     | 24  | 34          |
| 1960 | na       | 15      | na    | na     | 11   | 14     | 26  | 34          |
| 1961 | na       | 15      | na    | na     | 11   | 12     | 28  | 34          |
| 1962 | na       | 12      | na    | na     | 15   | 12     | 26  | 34          |
| 1963 | na       | 12      | na    | na     | 14   | 13     | 27  | 34          |
| 1964 | na       | 14      | na    | na     | 15   | 13     | 25  | 34          |
| 1965 | na       | 16      | na    | na     | 12   | 13     | 25  | 34          |
| 1966 | na       | 11      | na    | na     | 14   | 18     | 23  | 34          |
| 1967 | na       | 11      | na    | na     | 18   | 13     | 21  | 36          |
| 1968 | na       | 20      | na    | na     | 21   | 8      | 19  | 32          |
| 1969 | na       | 17      | na    | na     | 20   | 12     | 18  | 32          |
| 1970 | na       | 16      | na    | na     | 21   | 13     | 18  | 31          |
| 1971 | na       | 5       | na    | na     | 48   | 4      | 7   | 36          |
| 1972 | na       | 12      | na    | na     | 17   | 11     | 22  | 38          |
| 1973 | na       | 12      | na    | na     | 19   | 13     | 16  | 39          |
| 1974 | na       | 14      | na    | na     | 31   | 11     | 12  | 33          |
| 1975 | na       | 10      | na    | na     | 23   | 10     | 15  | 43          |
| 1976 | na       | 9       | na    | 1      | 20   | 17     | 16  | 37          |
| 1977 | na       | 21      | na    | 1      | 16   | 8      | 21  | 33          |
| 1978 | 2        | 18      | 2     | 0      | 21   | 9      | 16  | 32          |
| 1979 | 2        | 19      | 1     | 1      | 18   | 14     | 11  | 35          |
| 1980 | 2        | 19      | 1     | 1      | 18   | 10     | 11  | 37          |
| 1981 | 2        | 16      | 1     | 1      | 23   | 8      | 12  | 38          |
| 1982 | 2        | 14      | 1     | 1      | 23   | 7      | 13  | 38          |
| 1983 | 2        | 12      | 1     | 1      | 21   | 8      | 16  | 38          |
| 1984 | 3        | 16      | 1     | 1      | 16   | 8      | 20  | 36          |
| 1985 | 6        | 16      | 1     | 1      | 20   | 7      | 17  | 32          |
| 1986 | 8        | 11      | 1     | 2      | 21   | 9      | 15  | 34          |
| 1987 | 6        | 12      | 2     | 4      | 18   | 7      | 15  | 35          |
| 1988 | 4        | 10      | 7     | 2      | 22   | 9      | 13  | 32          |
| 1989 | 6        | 13      | 1     | 2      | 23   | 7      | 15  | 34          |
| 1990 | 5        | 11      | 3     | 1      | 24   | 6      | 18  | 31          |
| 1991 | 7        | 13      | 1     | 1      | 24   | 5      | 16  | 33          |
| 1992 | 6        | 18      | 4     | 1      | 24   | 4      | 9   | 34          |
| 1993 | 5        | 15      | 1     | 1      | 23   | 4      | 13  | 37          |
| 1994 | 4        | 16      | 1     | 1      | 21   | 6      | 12  | 39          |
| 1995 | 4        | 15      | 1     | 1      | 21   | 7      | 11  | 40          |
| 1996 | 4        | 18      | 1     | 1      | 15   | 6      | 14  | 41          |
| 1997 | 2        | 19      | 1     | 1      | 16   | 5      | 17  | 40          |
| 1998 | 3        | 16      | 1     | 0      | 20   | 4      | 19  | 38          |
| 1999 | 3        | 20      | 2     | 0      | 22   | 3      | 16  | 34          |
| 2000 | 2        | 15      | 1     | 0      | 22   | 3      | 19  | 36          |
| 2001 | 2        | 14      | 1     | 1      | 21   | 3      | 21  | 37          |
| 2002 | 2        | 17      | 1     | 1      | 20   | 4      | 19  | 36          |
| 2003 | 2        | 14      | 1     | 1      | 23   | 5      | 18  | 36          |
| 2004 | na       | 16      | na    | na     | 22   | 6      | 21  | 36          |

<sup>a</sup> At farmgate undistorted prices, US\$

Source: Anderson and Valenzuela (2008)



Table 13: Annual distortion estimates for **Asia**, 1955 to 2005  
(a) Nominal rates of assistance to covered products  
(percent)

|      | Barle<br>y | Beef | Cassa<br>va | Chick<br>pea | Cocoa | Cocon<br>ut | Coffe<br>e | Cotto<br>n | Egg | Fruit<br>&<br>veg <sup>a</sup> | Jute | Maize |
|------|------------|------|-------------|--------------|-------|-------------|------------|------------|-----|--------------------------------|------|-------|
| 1955 | -11        | 6    | na          | na           | na    | -35         | na         | na         | na  | 0                              | na   | na    |
| 1956 | 36         | 36   | na          | na           | na    | -24         | na         | na         | na  | 0                              | na   | na    |
| 1957 | 90         | 54   | na          | na           | na    | -28         | na         | na         | na  | 0                              | na   | na    |
| 1958 | 63         | 61   | na          | na           | na    | -29         | na         | na         | -16 | 0                              | na   | na    |
| 1959 | 27         | 35   | na          | na           | na    | -28         | na         | na         | -33 | 0                              | na   | na    |
| 1960 | 65         | 53   | na          | na           | na    | -32         | na         | na         | -41 | 0                              | na   | na    |
| 1961 | 19         | -2   | na          | na           | na    | -37         | na         | na         | -40 | 0                              | na   | -20   |
| 1962 | 19         | 16   | na          | na           | na    | -23         | na         | -22        | -31 | 0                              | na   | -15   |
| 1963 | 144        | 29   | na          | na           | na    | -26         | na         | -17        | -10 | 0                              | na   | 0     |
| 1964 | 171        | 26   | na          | 50           | na    | -28         | na         | -18        | 19  | 0                              | na   | -5    |
| 1965 | 61         | 25   | na          | 5            | na    | -29         | na         | 28         | 21  | 0                              | na   | 65    |
| 1966 | 43         | 19   | na          | 4            | na    | -19         | na         | 2          | 20  | 0                              | na   | 57    |
| 1967 | 68         | 21   | na          | 39           | -1    | -20         | na         | 9          | 27  | 0                              | na   | 47    |
| 1968 | 85         | 45   | na          | 0            | -3    | -31         | na         | -3         | 24  | 0                              | na   | 34    |
| 1969 | 105        | 63   | na          | 75           | -2    | -21         | na         | 24         | 2   | 0                              | na   | 45    |
| 1970 | 144        | 60   | -10         | 0            | -1    | -17         | -9         | 63         | 23  | 0                              | na   | 8     |
| 1971 | 149        | 77   | -25         | 0            | -1    | -6          | -11        | 77         | 7   | 0                              | na   | 16    |
| 1972 | 198        | 52   | -33         | 0            | -1    | -1          | -14        | 97         | -6  | 0                              | na   | 52    |
| 1973 | 74         | 14   | -39         | 0            | -7    | -3          | 1          | 93         | -6  | 0                              | na   | 17    |
| 1974 | 36         | 19   | -8          | 7            | -4    | -12         | -3         | -13        | -17 | -27                            | -30  | 4     |
| 1975 | 59         | 49   | 0           | 0            | 1     | -9          | -2         | 0          | -13 | -21                            | -53  | -18   |
| 1976 | 76         | 79   | 0           | 0            | -1    | 4           | -1         | 26         | -11 | -40                            | -33  | 3     |
| 1977 | 112        | 115  | -10         | 0            | -1    | 7           | -4         | -5         | -9  | -40                            | -43  | 20    |
| 1978 | 131        | 123  | -13         | 0            | -6    | 3           | -5         | 13         | -1  | -33                            | -38  | 24    |
| 1979 | 129        | 110  | 19          | 0            | -2    | -19         | -7         | 2          | 4   | -42                            | -19  | 9     |
| 1980 | 57         | 79   | -2          | 26           | -2    | -11         | -8         | 6          | 8   | -52                            | -30  | 5     |
| 1981 | 125        | 116  | -22         | 9            | -1    | 2           | -5         | -21        | 3   | -48                            | -40  | -41   |
| 1982 | 170        | 115  | -7          | 0            | -1    | -1          | -4         | -6         | 6   | -46                            | -37  | -30   |
| 1983 | 241        | 96   | 7           | 0            | -1    | -21         | -13        | -18        | 24  | -34                            | -17  | -27   |
| 1984 | 238        | 100  | -21         | 3            | -3    | -25         | -13        | -23        | 10  | -25                            | -22  | -5    |
| 1985 | 293        | 55   | -29         | 34           | 4     | -22         | -9         | -9         | 18  | -20                            | -21  | 7     |
| 1986 | 399        | 78   | 0           | 3            | -1    | -5          | -8         | -2         | 14  | -8                             | -54  | 3     |
| 1987 | 417        | 76   | -21         | 5            | -7    | -16         | 1          | 17         | 7   | 1                              | -44  | 2     |
| 1988 | 336        | 134  | -20         | 12           | -4    | -21         | -2         | -10        | 13  | -2                             | -20  | -19   |
| 1989 | 341        | 128  | -13         | 7            | 1     | -34         | -9         | -7         | 56  | 0                              | -38  | -25   |
| 1990 | 363        | 132  | -11         | 15           | -1    | -32         | -9         | -14        | 29  | -3                             | -28  | -28   |
| 1991 | 494        | 163  | -16         | 9            | -1    | -34         | -5         | -16        | 6   | 1                              | -33  | -20   |
| 1992 | 461        | 163  | -12         | 9            | -6    | -35         | -5         | -12        | 41  | -4                             | -42  | -24   |
| 1993 | 534        | 125  | -17         | 6            | -2    | -32         | -3         | 4          | 18  | -3                             | -46  | -16   |
| 1994 | 769        | 141  | 1           | 7            | -2    | -36         | -3         | 23         | 39  | 1                              | -44  | 13    |
| 1995 | 632        | 151  | 3           | 16           | -1    | -36         | -4         | -5         | 49  | 0                              | -29  | 1     |
| 1996 | 403        | 133  | -19         | 11           | -1    | -34         | 4          | -4         | 10  | -3                             | 15   | -3    |
| 1997 | 635        | 99   | -20         | 24           | -8    | -16         | 2          | 6          | 9   | -3                             | -3   | 10    |
| 1998 | 449        | 54   | -11         | 10           | 0     | -17         | -7         | 3          | 9   | 1                              | 21   | 22    |
| 1999 | 596        | 94   | -22         | 14           | 0     | -7          | 0          | 3          | 39  | 22                             | -32  | 9     |
| 2000 | 740        | 73   | -14         | 18           | 0     | -9          | 0          | 21         | 31  | 22                             | -37  | 13    |
| 2001 | 412        | 87   | -8          | 35           | 0     | -7          | -6         | -10        | 34  | 20                             | -41  | 16    |
| 2002 | 561        | 115  | -5          | 16           | 0     | -7          | -4         | 6          | 32  | 24                             | -29  | 8     |
| 2003 | 572        | 78   | -13         | 11           | 0     | -6          | -2         | 7          | 55  | 26                             | -40  | 19    |
| 2004 | 528        | 72   | -10         | 13           | 0     | -11         | 3          | 1          | 105 | 18                             | -46  | 7     |
| 2005 | na         | 205  | na          | na           | 0     | -18         | na         | 11         | na  | 19                             | na   | 17    |

Continued over

Table 13(a) (continued):

|      | Milk | Oilseed<br>s <sup>a</sup> | Palmoi<br>l | Pigmea<br>t | Poultry | Rice | Rubber | Sorghu<br>m | Sugar | Tea | Wheat |
|------|------|---------------------------|-------------|-------------|---------|------|--------|-------------|-------|-----|-------|
| 1955 | na   | -33                       | na          | -39         | -52     | -37  | -18    | na          | na    | -23 | -56   |
| 1956 | na   | -28                       | na          | 10          | -34     | -4   | -4     | na          | na    | -18 | -29   |
| 1957 | na   | -5                        | na          | 4           | -15     | 18   | -19    | na          | na    | -23 | -32   |
| 1958 | na   | -11                       | na          | -8          | -16     | -15  | -25    | na          | na    | -25 | -22   |
| 1959 | na   | 12                        | na          | -3          | -10     | -15  | -14    | na          | na    | -22 | -26   |
| 1960 | na   | 29                        | -11         | 10          | -10     | 1    | -17    | na          | na    | -32 | -27   |
| 1961 | na   | -33                       | -11         | 7           | -23     | -21  | -16    | na          | na    | -35 | -38   |
| 1962 | na   | -23                       | -9          | 10          | -11     | -26  | -14    | na          | 151   | -40 | -8    |
| 1963 | na   | 61                        | -10         | 31          | 6       | 6    | -14    | na          | 124   | -44 | -16   |
| 1964 | na   | 24                        | -16         | 20          | 37      | 9    | -20    | 82          | 14    | -46 | 28    |
| 1965 | 63   | 56                        | -10         | 37          | 48      | -1   | -15    | 46          | 140   | -43 | 31    |
| 1966 | 63   | 28                        | -12         | 47          | 46      | -26  | -18    | 25          | 192   | -51 | 3     |
| 1967 | 60   | 24                        | -11         | 51          | 66      | -32  | -14    | 65          | 151   | -44 | 21    |
| 1968 | 82   | 25                        | -9          | 90          | 94      | -38  | -9     | 12          | 220   | -28 | 34    |
| 1969 | 86   | 26                        | -11         | 69          | 91      | -27  | -13    | 60          | 113   | -30 | 31    |
| 1970 | 141  | 13                        | -18         | 47          | 79      | -11  | -6     | 35          | 56    | -25 | 46    |
| 1971 | 142  | 11                        | -20         | 76          | 4       | 4    | -11    | 97          | 37    | -28 | 44    |
| 1972 | 230  | 20                        | -3          | 48          | -5      | 7    | -3     | 39          | 23    | -34 | 31    |
| 1973 | 27   | 0                         | -6          | 35          | -4      | -28  | -4     | 48          | -22   | -26 | -28   |
| 1974 | 72   | 1                         | -29         | 46          | 16      | -57  | -16    | 56          | -28   | -27 | -17   |
| 1975 | 123  | -18                       | -21         | 47          | 49      | -24  | -10    | 0           | -40   | -25 | -3    |
| 1976 | 144  | -5                        | -8          | 42          | 50      | -8   | -11    | 0           | 7     | -26 | -6    |
| 1977 | 155  | -5                        | -19         | 41          | 64      | -7   | -17    | 45          | 22    | -12 | 6     |
| 1978 | 126  | -1                        | -11         | 42          | 71      | -22  | -27    | 8           | 19    | -22 | -5    |
| 1979 | 147  | 10                        | -11         | 65          | 57      | -5   | -29    | 5           | 0     | -26 | -9    |
| 1980 | 92   | 16                        | -4          | 79          | 70      | -23  | -29    | 0           | 4     | -21 | -11   |
| 1981 | 71   | 15                        | -3          | -64         | 43      | -44  | -23    | 16          | 16    | -16 | -13   |
| 1982 | 95   | 20                        | 5           | -74         | 51      | -30  | -14    | 10          | 31    | -15 | -6    |
| 1983 | 129  | 21                        | 5           | -73         | 47      | -25  | -15    | 4           | 50    | -18 | 0     |
| 1984 | 151  | 19                        | -9          | -73         | 30      | -14  | -14    | 2           | 83    | -18 | 16    |
| 1985 | 168  | 31                        | 1           | -28         | 46      | 2    | -8     | 24          | 74    | -18 | 19    |
| 1986 | 169  | 47                        | 7           | -46         | -18     | -1   | -14    | 66          | 50    | -25 | 18    |
| 1987 | 157  | 51                        | -7          | -53         | -30     | -4   | -21    | 56          | 37    | -17 | 14    |
| 1988 | 76   | 17                        | -10         | -43         | -21     | -16  | -16    | 19          | 21    | -21 | 9     |
| 1989 | 51   | 20                        | -2          | -27         | 11      | -13  | -12    | 13          | 11    | -14 | -2    |
| 1990 | 78   | 36                        | 5           | -17         | 13      | -12  | -12    | 6           | 13    | -18 | -3    |
| 1991 | 49   | 32                        | 0           | -11         | 15      | -11  | -16    | 7           | 19    | -20 | 7     |
| 1992 | 18   | 11                        | -3          | -3          | 15      | -16  | -16    | -3          | 15    | -6  | -8    |
| 1993 | 26   | 8                         | 4           | 4           | 32      | -6   | -19    | -25         | 8     | -5  | -2    |
| 1994 | 26   | 18                        | 2           | 12          | 23      | 2    | -18    | 51          | 9     | -3  | 26    |
| 1995 | 5    | 22                        | -8          | 8           | 16      | 7    | -15    | 2           | 7     | -5  | 21    |
| 1996 | 22   | 22                        | -1          | 10          | 20      | -1   | -9     | 9           | 11    | -7  | 7     |
| 1997 | 19   | 22                        | -11         | 5           | 16      | 1    | 10     | 13          | 6     | -9  | 19    |
| 1998 | 26   | 24                        | -22         | 3           | 12      | -2   | 16     | 33          | 30    | -7  | 23    |
| 1999 | 44   | 22                        | -3          | 9           | 20      | 7    | 24     | 50          | 46    | -10 | 16    |
| 2000 | 20   | 22                        | -2          | 7           | 19      | 19   | 14     | 13          | 50    | -7  | 20    |
| 2001 | 28   | 20                        | 2           | 5           | 14      | 21   | 10     | 16          | 22    | -8  | 8     |
| 2002 | 48   | 24                        | -6          | 6           | 17      | 16   | 1      | 16          | 45    | -8  | 7     |
| 2003 | 40   | 26                        | -6          | 1           | 8       | 22   | -1     | 15          | 50    | -7  | 5     |
| 2004 | 21   | 18                        | -1          | 2           | 4       | 14   | -5     | 18          | 49    | -7  | 13    |
| 2005 | 33   | 19                        | na          | 0           | 0       | -10  | na     | na          | 40    | -29 | 4     |

<sup>a</sup> Fruit & veg includes banana, cabbage, chillies, garlic, onion, potato, peppers and fruits, vegetables and fruit&veg aggretores. Oilseeds includes rapeseed, sunflower, soybean and groundnut.

Table 13 (continued): Annual distortion estimates for **Asia**, 1955 to 2005 (b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | Total ag NRA     |         |                      |                         | Ag tradables NRA |                  |     | Non-ag tradables |     |
|------|------------------|---------|----------------------|-------------------------|------------------|------------------|-----|------------------|-----|
|      | Covered products |         | Non-covered products | All products (incl NPS) | Export-ables     | Import-competing | All | NRA              | RRA |
|      | Inputs           | Outputs |                      |                         |                  |                  |     |                  |     |
| 1955 | 0                | -33     | -8                   | -28                     | -30              | -21              | -25 | 78               | -58 |
| 1956 | 0                | -5      | 2                    | -27                     | -10              | 8                | -1  | 132              | -57 |
| 1957 | 0                | 6       | 9                    | -27                     | -10              | 28               | 11  | 155              | -57 |
| 1958 | 0                | -15     | 5                    | -27                     | -29              | 13               | -6  | 121              | -58 |
| 1959 | 0                | -15     | 0                    | -28                     | -22              | 1                | -9  | 116              | -58 |
| 1960 | 0                | -5      | 0                    | -27                     | -15              | 6                | -6  | 118              | -57 |
| 1961 | 0                | -14     | -9                   | -28                     | -11              | -20              | -16 | 98               | -57 |
| 1962 | -1               | -9      | -7                   | -27                     | -12              | -11              | -11 | 107              | -57 |
| 1963 | -1               | 6       | 3                    | -26                     | -10              | 15               | 6   | 140              | -56 |
| 1964 | 0                | 1       | 3                    | -26                     | -15              | 33               | 6   | 136              | -55 |
| 1965 | 0                | -3      | 16                   | -20                     | -7               | 42               | 34  | 199              | -55 |
| 1966 | 0                | -11     | -3                   | -27                     | -29              | 27               | -1  | 119              | -55 |
| 1967 | 0                | -13     | -4                   | -26                     | -33              | 30               | -3  | 117              | -55 |
| 1968 | 0                | -14     | -10                  | -28                     | -38              | 32               | -11 | 108              | -57 |
| 1969 | 0                | -10     | 1                    | -24                     | -29              | 39               | 3   | 122              | -54 |
| 1970 | 0                | -7      | 5                    | -21                     | -14              | 42               | 10  | 107              | -47 |
| 1971 | 0                | 6       | 12                   | -18                     | -9               | 49               | 30  | 115              | -40 |
| 1972 | 0                | 1       | 13                   | -20                     | -6               | 44               | 29  | 120              | -41 |
| 1973 | 1                | -24     | -6                   | -29                     | -25              | 7                | -13 | 84               | -53 |
| 1974 | 1                | -29     | -26                  | -37                     | -50              | -8               | -37 | 53               | -59 |
| 1975 | 1                | -11     | -16                  | -30                     | -45              | 31               | -18 | 66               | -51 |
| 1976 | 1                | 0       | 2                    | -23                     | -17              | 35               | 5   | 84               | -43 |
| 1977 | 1                | 1       | 7                    | -20                     | -17              | 35               | 9   | 88               | -42 |
| 1978 | 1                | -5      | -1                   | -24                     | -26              | 23               | -2  | 75               | -44 |
| 1979 | 2                | 0       | 3                    | -22                     | -21              | 32               | 5   | 86               | -44 |
| 1980 | 2                | -9      | -2                   | -26                     | -29              | 23               | -6  | 80               | -48 |
| 1981 | 1                | -23     | -12                  | -25                     | -45              | 4                | -27 | 30               | -44 |
| 1982 | 1                | -18     | -5                   | -19                     | -46              | 19               | -22 | 29               | -39 |
| 1983 | 1                | -19     | -3                   | -19                     | -46              | 21               | -22 | 28               | -39 |
| 1984 | 1                | -17     | 2                    | -15                     | -41              | 38               | -18 | 25               | -34 |
| 1985 | 2                | -2      | 11                   | 2                       | -26              | 51               | 1   | 19               | -15 |
| 1986 | 1                | -10     | 10                   | -6                      | -38              | 52               | -8  | 10               | -16 |
| 1987 | 1                | -19     | 11                   | -11                     | -47              | 56               | -14 | 8                | -21 |
| 1988 | 2                | -22     | 2                    | -16                     | -42              | 34               | -19 | 20               | -32 |
| 1989 | 1                | -16     | 1                    | -15                     | -36              | 27               | -16 | 20               | -30 |
| 1990 | 2                | -11     | 0                    | -8                      | -30              | 20               | -11 | 19               | -25 |
| 1991 | 2                | -7      | 1                    | -4                      | -23              | 30               | -5  | 16               | -18 |
| 1992 | 1                | -7      | -5                   | -7                      | -24              | 23               | -8  | 12               | -18 |
| 1993 | 2                | -1      | 1                    | 1                       | -14              | 23               | 1   | 13               | -11 |
| 1994 | 2                | 6       | 8                    | 9                       | -4               | 34               | 10  | 14               | -4  |
| 1995 | 2                | 1       | 4                    | 6                       | -5               | 24               | 6   | 12               | -5  |
| 1996 | 2                | 4       | 2                    | 5                       | -7               | 21               | 5   | 11               | -6  |
| 1997 | 2                | 4       | 7                    | 7                       | -5               | 25               | 7   | 10               | -3  |
| 1998 | 3                | 3       | 9                    | 9                       | -1               | 21               | 9   | 9                | 0   |
| 1999 | 2                | 10      | 9                    | 11                      | -3               | 32               | 11  | 7                | 4   |
| 2000 | 3                | 10      | 10                   | 13                      | 0                | 30               | 13  | 6                | 7   |
| 2001 | 3                | 9       | 7                    | 12                      | 1                | 21               | 12  | 2                | 10  |
| 2002 | 3                | 10      | 8                    | 12                      | -2               | 27               | 12  | 4                | 7   |
| 2003 | 3                | 8       | 10                   | 12                      | -1               | 27               | 12  | 7                | 5   |
| 2004 | 2                | 5       | 9                    | 10                      | -2               | 22               | 10  | 3                | 6   |
| 2005 | 1                | 2       | 6                    | 6                       | -1               | 14               | 7   | 4                | 2   |

a. NRAs including assistance to nontradables and non-product specific assistance.

b. NRAs including products specific input subsidies.

c. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

Table 13 (continued): Annual distortion estimates for **Asia**, 1955 to 2005 (c) Value shares of primary production of covered<sup>a</sup> and non-covered products, (percent)

|      | Chickpe<br>a | Coconu<br>t | Cotton | Fruit &<br>veg <sup>a</sup> | Maize | Milk | Oilseed<br>s <sup>a</sup> | Palmoil | Pigmeat |
|------|--------------|-------------|--------|-----------------------------|-------|------|---------------------------|---------|---------|
| 1955 | na           | 4           | na     | na                          | na    | na   | 0                         | na      | 4       |
| 1956 | na           | 4           | na     | na                          | na    | na   | 0                         | na      | 5       |
| 1957 | na           | 4           | na     | na                          | na    | na   | 0                         | na      | 6       |
| 1958 | na           | 4           | na     | na                          | na    | na   | 0                         | na      | 5       |
| 1959 | na           | 6           | na     | na                          | na    | na   | 0                         | na      | 7       |
| 1960 | na           | 3           | na     | na                          | na    | na   | 0                         | 1       | 4       |
| 1961 | na           | 2           | na     | na                          | 1     | na   | 0                         | 1       | 4       |
| 1962 | na           | 2           | 2      | 1                           | 2     | na   | 0                         | 0       | 4       |
| 1963 | na           | 2           | 2      | 1                           | 3     | na   | 0                         | 1       | 4       |
| 1964 | 5            | 1           | 1      | 24                          | 1     | na   | 10                        | 0       | 2       |
| 1965 | 2            | 0           | 3      | 11                          | 2     | 1    | 4                         | 0       | 1       |
| 1966 | 1            | 0           | 3      | 10                          | 2     | 1    | 3                         | 0       | 1       |
| 1967 | 2            | 0           | 3      | 11                          | 2     | 1    | 3                         | 0       | 1       |
| 1968 | 1            | 0           | 3      | 9                           | 1     | 1    | 3                         | 0       | 1       |
| 1969 | 1            | 0           | 2      | 12                          | 1     | 1    | 3                         | 0       | 1       |
| 1970 | 2            | 3           | 2      | 10                          | 2     | 1    | 4                         | 0       | 1       |
| 1971 | 2            | 3           | 2      | 10                          | 2     | 1    | 4                         | 1       | 1       |
| 1972 | 2            | 2           | 2      | 11                          | 2     | 0    | 4                         | 1       | 1       |
| 1973 | 1            | 4           | 2      | 8                           | 2     | 0    | 4                         | 0       | 1       |
| 1974 | 1            | 4           | 2      | 5                           | 2     | 0    | 3                         | 1       | 1       |
| 1975 | 1            | 2           | 1      | 5                           | 2     | 2    | 2                         | 1       | 1       |
| 1976 | 1            | 3           | 2      | 7                           | 2     | 3    | 3                         | 1       | 1       |
| 1977 | 1            | 4           | 2      | 6                           | 2     | 3    | 3                         | 1       | 1       |
| 1978 | 1            | 4           | 2      | 6                           | 2     | 3    | 2                         | 1       | 1       |
| 1979 | 1            | 4           | 2      | 7                           | 2     | 3    | 2                         | 1       | 1       |
| 1980 | 1            | 3           | 2      | 6                           | 2     | 3    | 2                         | 1       | 1       |
| 1981 | 0            | 2           | 1      | 12                          | 4     | 2    | 2                         | 1       | 10      |
| 1982 | 0            | 1           | 1      | 13                          | 4     | 2    | 2                         | 1       | 14      |
| 1983 | 0            | 1           | 2      | 17                          | 4     | 2    | 2                         | 1       | 13      |
| 1984 | 1            | 2           | 2      | 18                          | 4     | 2    | 2                         | 1       | 15      |
| 1985 | 1            | 2           | 1      | 22                          | 3     | 2    | 2                         | 1       | 8       |
| 1986 | 0            | 1           | 1      | 25                          | 3     | 2    | 2                         | 1       | 10      |
| 1987 | 0            | 1           | 1      | 26                          | 3     | 2    | 2                         | 1       | 11      |
| 1988 | 1            | 1           | 1      | 24                          | 3     | 3    | 2                         | 1       | 11      |
| 1989 | 0            | 1           | 1      | 26                          | 3     | 3    | 2                         | 1       | 10      |
| 1990 | 0            | 1           | 2      | 22                          | 4     | 2    | 2                         | 1       | 9       |
| 1991 | 0            | 1           | 2      | 20                          | 4     | 3    | 2                         | 1       | 8       |
| 1992 | 0            | 1           | 1      | 20                          | 4     | 4    | 2                         | 1       | 8       |
| 1993 | 0            | 1           | 1      | 15                          | 4     | 4    | 3                         | 1       | 8       |
| 1994 | 1            | 1           | 2      | 16                          | 4     | 4    | 3                         | 1       | 9       |
| 1995 | 0            | 1           | 2      | 17                          | 4     | 4    | 2                         | 2       | 10      |
| 1996 | 0            | 1           | 1      | 15                          | 5     | 4    | 2                         | 1       | 10      |
| 1997 | 0            | 1           | 1      | 15                          | 4     | 4    | 2                         | 1       | 12      |
| 1998 | 0            | 1           | 1      | 16                          | 4     | 4    | 2                         | 2       | 11      |
| 1999 | 0            | 1           | 1      | 15                          | 4     | 4    | 1                         | 1       | 9       |
| 2000 | 0            | 1           | 1      | 17                          | 3     | 5    | 1                         | 1       | 10      |
| 2001 | 0            | 1           | 1      | 17                          | 3     | 4    | 2                         | 1       | 10      |
| 2002 | 0            | 1           | 1      | 17                          | 3     | 4    | 1                         | 2       | 10      |
| 2003 | 0            | 1           | 1      | 17                          | 3     | 4    | 2                         | 2       | 10      |
| 2004 | 0            | 0           | 1      | 17                          | 4     | 5    | 2                         | 1       | 12      |
| 2005 | na           | 0           | 1      | 19                          | 4     | 2    | 1                         | na      | 15      |

Continued over

|      | Poultry | Rice | Rubber | Sorghu<br>m | Sugar | Wheat | Non-<br>covered | Covere<br>d |
|------|---------|------|--------|-------------|-------|-------|-----------------|-------------|
| 1955 | 0       | 30   | 3      | na          | na    | 0     | 48              | 52          |
| 1956 | 0       | 28   | 3      | na          | na    | 1     | 48              | 52          |
| 1957 | 0       | 26   | 3      | na          | na    | 1     | 51              | 49          |
| 1958 | 0       | 29   | 3      | na          | na    | 0     | 49              | 51          |
| 1959 | 0       | 28   | 3      | na          | na    | 1     | 46              | 54          |
| 1960 | 0       | 21   | 25     | na          | na    | 1     | 39              | 61          |
| 1961 | 1       | 26   | 18     | na          | na    | 0     | 39              | 61          |
| 1962 | 1       | 26   | 10     | na          | 2     | 8     | 36              | 64          |
| 1963 | 1       | 28   | 11     | na          | 2     | 9     | 33              | 67          |
| 1964 | 1       | 14   | 5      | 5           | 2     | 12    | 15              | 85          |
| 1965 | 0       | 23   | 2      | 2           | 2     | 5     | 40              | 60          |
| 1966 | 0       | 24   | 2      | 2           | 2     | 5     | 42              | 58          |
| 1967 | 0       | 28   | 2      | 2           | 1     | 6     | 37              | 63          |
| 1968 | 0       | 30   | 1      | 3           | 1     | 6     | 38              | 62          |
| 1969 | 0       | 27   | 2      | 2           | 2     | 6     | 36              | 64          |
| 1970 | 0       | 24   | 2      | 2           | 3     | 6     | 36              | 64          |
| 1971 | 1       | 23   | 2      | 1           | 4     | 7     | 35              | 65          |
| 1972 | 1       | 20   | 2      | 2           | 5     | 7     | 37              | 63          |
| 1973 | 1       | 23   | 3      | 1           | 5     | 6     | 37              | 63          |
| 1974 | 0       | 31   | 2      | 1           | 5     | 4     | 36              | 64          |
| 1975 | 0       | 34   | 1      | 1           | 7     | 5     | 31              | 69          |
| 1976 | 1       | 29   | 3      | 2           | 5     | 5     | 32              | 68          |
| 1977 | 1       | 28   | 3      | 1           | 4     | 5     | 32              | 68          |
| 1978 | 1       | 32   | 3      | 1           | 4     | 5     | 31              | 69          |
| 1979 | 1       | 26   | 4      | 1           | 5     | 5     | 33              | 67          |
| 1980 | 1       | 29   | 3      | 1           | 4     | 5     | 34              | 66          |
| 1981 | 1       | 29   | 1      | 1           | 3     | 5     | 25              | 75          |
| 1982 | 1       | 25   | 1      | 0           | 3     | 6     | 25              | 75          |
| 1983 | 1       | 22   | 1      | 1           | 2     | 6     | 24              | 76          |
| 1984 | 1       | 21   | 1      | 1           | 2     | 6     | 23              | 77          |
| 1985 | 1       | 20   | 1      | 0           | 2     | 6     | 26              | 74          |
| 1986 | 1       | 19   | 1      | 0           | 2     | 6     | 23              | 77          |
| 1987 | 2       | 18   | 2      | 0           | 2     | 5     | 22              | 78          |
| 1988 | 2       | 21   | 1      | 0           | 2     | 4     | 21              | 79          |
| 1989 | 2       | 21   | 1      | 0           | 3     | 5     | 20              | 80          |
| 1990 | 2       | 21   | 1      | 0           | 3     | 5     | 23              | 77          |
| 1991 | 2       | 21   | 1      | 0           | 3     | 5     | 25              | 75          |
| 1992 | 2       | 21   | 1      | 0           | 3     | 5     | 25              | 75          |
| 1993 | 2       | 21   | 1      | 0           | 3     | 6     | 28              | 72          |
| 1994 | 3       | 21   | 2      | 0           | 3     | 5     | 25              | 75          |
| 1995 | 4       | 19   | 2      | 0           | 3     | 5     | 24              | 76          |
| 1996 | 3       | 21   | 1      | 0           | 3     | 6     | 25              | 75          |
| 1997 | 3       | 20   | 1      | 0           | 3     | 6     | 25              | 75          |
| 1998 | 4       | 19   | 1      | 0           | 2     | 5     | 28              | 72          |
| 1999 | 3       | 18   | 0      | 0           | 2     | 5     | 32              | 68          |
| 2000 | 4       | 15   | 1      | 0           | 2     | 5     | 33              | 67          |
| 2001 | 4       | 14   | 1      | 0           | 2     | 5     | 34              | 66          |
| 2002 | 4       | 13   | 1      | 0           | 2     | 4     | 36              | 64          |
| 2003 | 4       | 13   | 1      | 0           | 2     | 5     | 34              | 66          |
| 2004 | 3       | 14   | 1      | 0           | 2     | 4     | 33              | 67          |
| 2005 | 5       | 11   | na     | na          | 1     | 5     | 34              | 66          |

<sup>a</sup> At farmgate undistorted prices, US\$. Fruit & veg includes banana, cabbage, chillies, garlic, onion, potato, peppers and fruits, vegetables and fruit&veg aggregates. Oilseeds include rapeseed, sunflower, soybean and groundnut. Barley, beef, cassava, cocoa, coffee, egg, jute and tea are omitted due to very low shares (less than 0.5 percent of the gross value of regional production each year from 1965 onwards). Source: Anderson and Valenzuela (2008).

Table 14: Gross subsidy equivalents of assistance to farmers, Asian economies, 1955 to 2005<sup>a</sup>  
(US\$ million)

|      | BD    | CN     | IN     | ID    | KP    | MY   | PK    | PH    | LK   | TW   | TH    | VN    |
|------|-------|--------|--------|-------|-------|------|-------|-------|------|------|-------|-------|
| 1955 | na    | -7101  | 6      | na    | -269  | na   | na    | na    | -40  | -150 | na    | na    |
| 1956 | na    | -11171 | 10     | na    | -14   | na   | na    | na    | -5   | -19  | na    | na    |
| 1957 | na    | -11081 | 10     | na    | 175   | na   | na    | na    | -7   | 2    | na    | na    |
| 1958 | na    | -11488 | 10     | na    | 21    | na   | na    | na    | 9    | -134 | na    | na    |
| 1959 | na    | -11533 | 10     | na    | -49   | na   | na    | na    | -22  | -87  | na    | na    |
| 1960 | na    | -13026 | 11     | na    | 5     | -87  | na    | na    | -64  | -9   | na    | na    |
| 1961 | na    | -14654 | 13     | na    | -357  | -53  | na    | na    | -81  | 30   | na    | na    |
| 1962 | na    | -15694 | 14     | na    | -313  | -35  | 45    | -103  | -116 | 7    | na    | na    |
| 1963 | na    | -16644 | 15     | na    | 315   | -32  | 43    | -58   | -108 | 61   | na    | na    |
| 1964 | na    | -15061 | 13     | na    | 485   | -62  | -149  | 15    | -129 | 57   | na    | na    |
| 1965 | na    | -14382 | 3361   | na    | 157   | -29  | 165   | 144   | -141 | 69   | na    | na    |
| 1966 | na    | -16418 | -463   | na    | 86    | -49  | 175   | 218   | -135 | 53   | na    | na    |
| 1967 | na    | -17322 | -1158  | na    | 119   | -55  | 278   | 166   | -96  | 9    | na    | na    |
| 1968 | na    | -17729 | -3203  | na    | 233   | -63  | 308   | 160   | -102 | 13   | na    | na    |
| 1969 | na    | -18498 | 10     | na    | 447   | -102 | 388   | 186   | -61  | 8    | na    | na    |
| 1970 | na    | -19674 | 1802   | -88   | 777   | -53  | 612   | 52    | -77  | 121  | -366  | na    |
| 1971 | na    | -20624 | 3818   | 230   | 985   | -79  | 611   | 255   | -124 | 167  | -370  | na    |
| 1972 | na    | -24468 | 4538   | 64    | 1154  | -30  | 545   | 64    | -88  | 209  | -439  | na    |
| 1973 | na    | -37675 | -2437  | -655  | 487   | -151 | -1081 | -803  | -21  | 141  | -741  | na    |
| 1974 | -661  | -48394 | -22142 | -941  | -1144 | -556 | -978  | -1375 | -298 | 0    | -1879 | na    |
| 1975 | 3267  | -47489 | -15816 | 1453  | 476   | -391 | -482  | -937  | -189 | 229  | -1332 | na    |
| 1976 | -256  | -45680 | -560   | 2862  | 2138  | -171 | -396  | -153  | -181 | 330  | -560  | na    |
| 1977 | -766  | -49751 | 2231   | 3492  | 2929  | -468 | -307  | 71    | -41  | 238  | -593  | na    |
| 1978 | -1188 | -56535 | -3610  | 733   | 4170  | -571 | -116  | -483  | -343 | 168  | -1378 | na    |
| 1979 | -436  | -64676 | 1923   | -1064 | 5780  | -788 | -378  | -329  | -501 | 307  | -604  | na    |
| 1980 | -553  | -75983 | -6769  | -1084 | 4323  | -815 | -894  | -942  | -391 | 601  | -116  | na    |
| 1981 | -2210 | -67295 | -12122 | 2606  | 6011  | -377 | -1148 | -859  | -168 | 616  | -754  | na    |
| 1982 | 149   | -72898 | 3722   | 6377  | 6127  | 1    | 287   | 607   | -97  | 837  | -272  | na    |
| 1983 | 236   | -77539 | 8907   | 3190  | 6087  | 25   | -346  | -117  | -144 | 1054 | 454   | na    |
| 1984 | 588   | -64979 | 9188   | 2082  | 6090  | -95  | -142  | 645   | -215 | 1051 | -251  | na    |
| 1985 | 1236  | -23694 | 16977  | 2735  | 6478  | 276  | -265  | 1201  | -65  | 1039 | -824  | na    |
| 1986 | 100   | -45633 | 19306  | 2043  | 8053  | 115  | -231  | 1028  | 81   | 1292 | -589  | -535  |
| 1987 | 1343  | -64588 | 25295  | -1483 | 8807  | -111 | -60   | 1089  | -86  | 1758 | -511  | -833  |
| 1988 | 417   | -74357 | 10633  | -2745 | 12019 | -102 | -17   | 732   | -431 | 2143 | -26   | -340  |
| 1989 | 80    | -73545 | 6157   | -3959 | 14054 | 83   | -855  | 1070  | -234 | 3094 | -376  | -440  |
| 1990 | -34   | -55293 | 11885  | -1860 | 15230 | 172  | -2086 | 1061  | -211 | 3008 | -308  | -1826 |
| 1991 | 230   | -28451 | -26    | -2682 | 15524 | 135  | -720  | 695   | -122 | 2791 | -753  | -1193 |
| 1992 | 15    | -29938 | -10411 | -2072 | 15409 | 55   | -98   | 1794  | -71  | 3308 | -200  | -2317 |
| 1993 | -345  | -15303 | 881    | -2246 | 15618 | 206  | 6     | 2321  | 138  | 3578 | -954  | -1565 |
| 1994 | -335  | 10701  | 4020   | -2920 | 18332 | 101  | -224  | 2181  | 175  | 3931 | -911  | -865  |
| 1995 | 88    | 12964  | -7749  | -5789 | 19976 | 133  | -356  | 3598  | 221  | 4130 | 1007  | -378  |
| 1996 | -850  | 9834   | -8224  | -5415 | 18836 | 156  | -576  | 4973  | 63   | 4284 | 891   | -151  |
| 1997 | -931  | 16352  | -1751  | -2929 | 17450 | -395 | -1226 | 4354  | 281  | 3681 | -905  | -410  |
| 1998 | -547  | 22510  | 11094  | -7179 | 10847 | 32   | 85    | 1660  | 292  | 3258 | -224  | -719  |
| 1999 | 108   | 13165  | 8756   | 1984  | 16166 | 83   | 879   | 3622  | 318  | 4500 | 430   | 1621  |
| 2000 | 288   | 19443  | 9395   | 4098  | 16075 | 107  | 1135  | 3041  | 207  | 4448 | -292  | 1205  |
| 2001 | 429   | 11679  | 16333  | 3960  | 13887 | 122  | 73    | 2600  | 290  | 3642 | -369  | 1734  |
| 2002 | 171   | 9746   | 22641  | 4607  | 14671 | 116  | -506  | 2269  | 288  | 3300 | 633   | 955   |
| 2003 | 370   | 18471  | 17720  | 6632  | 15611 | 92   | -187  | 1380  | 67   | na   | 47    | 2428  |
| 2004 | -295  | 22044  | 14295  | 2975  | 19266 | 83   | -77   | 740   | -64  | na   | -72   | 2038  |
| 2005 | na    | 24641  | na     | na    | na    | na   | -179  | na    | na   | na   | na    | 1121  |

Source: Spreadsheets of authors of Chapters 2-13 of this book.

Table 15: Share of regional value of agricultural production, Asian economies, 1955 to 2004<sup>a</sup>

| (percent)          |     |      |      |      |     |     |     |     |     |     |     |     |
|--------------------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| ISO Code           | BD  | CN   | IN   | ID   | KP  | MY  | PK  | PH  | LK  | TW  | TH  | VN  |
| Five year averages |     |      |      |      |     |     |     |     |     |     |     |     |
| 1955-59            | na  | 59.7 | 34.6 | na   | 2.6 | na  | na  | na  | 1.4 | 1.7 | na  | na  |
| 1960-64            | na  | 58.5 | 33.9 | na   | 2.1 | 1.3 | 1.4 | 1.5 | 0.8 | 1.4 | na  | na  |
| 1965-69            | na  | 56.8 | 32.8 | na   | 2.3 | 1.2 | 2.6 | 1.9 | 0.7 | 1.7 | na  | na  |
| 1970-74            | 2.0 | 55.4 | 27.7 | 4.5  | 2.1 | 1.2 | 2.0 | 1.8 | 0.7 | 1.5 | 2.7 | na  |
| 1975-79            | 2.4 | 52.1 | 23.5 | 9.0  | 2.5 | 1.6 | 1.8 | 2.3 | 0.4 | 1.6 | 2.8 | na  |
| 1980-84            | 2.0 | 52.0 | 23.3 | 9.6  | 2.3 | 1.6 | 2.1 | 2.1 | 0.5 | 1.8 | 2.7 | na  |
| 1985-89            | 1.9 | 51.7 | 22.2 | 9.4  | 2.6 | 1.7 | 2.2 | 1.9 | 0.5 | 2.2 | 2.7 | 1.4 |
| 1990-94            | 2.1 | 45.4 | 24.3 | 10.4 | 3.1 | 1.9 | 2.5 | 2.5 | 0.5 | 2.5 | 3.1 | 1.8 |
| 1995-99            | 1.7 | 48.6 | 22.9 | 10.0 | 2.9 | 2.1 | 2.5 | 2.3 | 0.4 | 1.9 | 2.8 | 1.9 |
| 2000-04            | 1.5 | 56.1 | 21.4 | 7.5  | 2.5 | 1.9 | 2.1 | 2.0 | 0.4 | 1.4 | 2.2 | 1.6 |
| Annual data        |     |      |      |      |     |     |     |     |     |     |     |     |
| 1955               | na  | 58.2 | 33.8 | na   | 3.4 | na  | na  | na  | 2.1 | 2.5 | na  | na  |
| 1956               | na  | 60.3 | 34.9 | na   | 2.1 | na  | na  | na  | 1.3 | 1.4 | na  | na  |
| 1957               | na  | 59.9 | 34.7 | na   | 2.6 | na  | na  | na  | 1.2 | 1.6 | na  | na  |
| 1958               | na  | 60.1 | 34.8 | na   | 2.4 | na  | na  | na  | 1.2 | 1.6 | na  | na  |
| 1959               | na  | 60.0 | 34.8 | na   | 2.3 | na  | na  | na  | 1.4 | 1.4 | na  | na  |
| 1960               | na  | 59.3 | 34.4 | na   | 2.0 | 1.8 | na  | na  | 1.0 | 1.4 | na  | na  |
| 1961               | na  | 59.4 | 34.5 | na   | 2.5 | 1.3 | 0.1 | na  | 0.8 | 1.3 | na  | na  |
| 1962               | na  | 57.9 | 33.6 | na   | 2.2 | 1.1 | 1.6 | 1.6 | 0.8 | 1.3 | na  | na  |
| 1963               | na  | 58.4 | 33.8 | na   | 1.9 | 1.1 | 1.5 | 1.4 | 0.6 | 1.2 | na  | na  |
| 1964               | na  | 57.3 | 33.2 | na   | 2.1 | 1.2 | 2.3 | 1.6 | 0.7 | 1.6 | na  | na  |
| 1965               | na  | 58.6 | 30.4 | na   | 2.4 | 1.3 | 2.9 | 1.9 | 0.8 | 1.7 | na  | na  |
| 1966               | na  | 59.4 | 30.4 | na   | 2.4 | 1.2 | 2.4 | 1.9 | 0.6 | 1.7 | na  | na  |
| 1967               | na  | 56.1 | 34.1 | na   | 2.3 | 1.0 | 2.4 | 1.8 | 0.5 | 1.7 | na  | na  |
| 1968               | na  | 54.4 | 35.3 | na   | 2.1 | 1.0 | 2.7 | 1.8 | 0.9 | 1.7 | na  | na  |
| 1969               | na  | 55.4 | 33.9 | na   | 2.5 | 1.4 | 2.4 | 1.9 | 0.8 | 1.7 | na  | na  |
| 1970               | na  | 54.4 | 29.4 | 4.0  | 2.1 | 1.1 | 2.3 | 1.6 | 0.7 | 1.5 | 3.0 | na  |
| 1971               | na  | 55.6 | 27.3 | 4.4  | 2.1 | 1.1 | 2.1 | 1.5 | 1.6 | 1.5 | 2.8 | na  |
| 1972               | na  | 58.8 | 26.1 | 4.2  | 1.9 | 0.9 | 1.9 | 1.8 | 0.4 | 1.5 | 2.5 | na  |
| 1973               | na  | 57.2 | 26.4 | 5.1  | 1.9 | 1.3 | 2.1 | 2.1 | 0.4 | 1.4 | 2.4 | na  |
| 1974               | 2.0 | 51.2 | 29.1 | 4.9  | 2.4 | 1.4 | 1.6 | 2.3 | 0.5 | 1.4 | 3.0 | na  |
| 1975               | 2.8 | 51.5 | 27.3 | 5.9  | 2.3 | 1.3 | 1.7 | 2.4 | 0.4 | 1.5 | 2.9 | na  |
| 1976               | 2.3 | 53.6 | 22.7 | 8.4  | 2.5 | 1.4 | 2.0 | 2.3 | 0.3 | 1.7 | 2.8 | na  |
| 1977               | 2.0 | 52.4 | 23.0 | 9.5  | 2.5 | 1.7 | 1.9 | 2.2 | 0.4 | 1.7 | 2.7 | na  |
| 1978               | 2.5 | 50.1 | 23.5 | 10.7 | 2.7 | 1.6 | 1.6 | 2.3 | 0.4 | 1.6 | 3.0 | na  |
| 1979               | 2.3 | 53.0 | 21.1 | 10.2 | 2.4 | 2.0 | 1.9 | 2.3 | 0.5 | 1.7 | 2.7 | na  |
| 1980               | 2.3 | 52.0 | 23.7 | 9.4  | 1.9 | 1.8 | 2.0 | 2.2 | 0.5 | 1.6 | 2.7 | na  |
| 1981               | 2.6 | 45.5 | 26.7 | 11.0 | 2.4 | 1.6 | 2.5 | 2.5 | 0.5 | 1.8 | 3.0 | na  |
| 1982               | 1.7 | 52.8 | 23.0 | 9.8  | 2.4 | 1.4 | 2.1 | 1.9 | 0.4 | 2.0 | 2.6 | na  |
| 1983               | 1.6 | 54.8 | 22.6 | 8.5  | 2.4 | 1.4 | 2.1 | 1.9 | 0.4 | 1.8 | 2.4 | na  |
| 1984               | 1.8 | 54.7 | 20.7 | 9.3  | 2.5 | 1.8 | 2.0 | 2.0 | 0.6 | 1.9 | 2.6 | na  |
| 1985               | 2.0 | 52.2 | 22.1 | 9.9  | 2.6 | 1.7 | 2.3 | 1.9 | 0.6 | 2.0 | 2.7 | na  |
| 1986               | 2.1 | 51.4 | 22.5 | 9.5  | 2.4 | 1.5 | 2.4 | 1.7 | 0.5 | 2.1 | 2.5 | 1.5 |
| 1987               | 1.9 | 51.6 | 21.6 | 9.5  | 2.7 | 1.9 | 2.2 | 1.7 | 0.5 | 2.4 | 2.8 | 1.1 |

Continued over ...

Table 15 (cont.)

| ISO Code | BD  | CN   | IN   | ID   | KP  | MY  | PK  | PH  | LK  | TW  | TH  | VN  |
|----------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 1988     | 1.8 | 49.8 | 23.3 | 9.3  | 2.8 | 1.8 | 1.9 | 2.0 | 0.5 | 2.3 | 2.8 | 1.8 |
| 1989     | 1.7 | 53.7 | 21.4 | 8.6  | 2.7 | 1.4 | 2.1 | 2.0 | 0.4 | 2.2 | 2.5 | 1.2 |
| 1990     | 2.1 | 52.5 | 20.9 | 9.2  | 2.8 | 1.3 | 2.7 | 2.1 | 0.5 | 2.0 | 2.4 | 1.4 |
| 1991     | 2.2 | 46.6 | 23.9 | 10.1 | 3.2 | 1.5 | 2.3 | 2.5 | 0.5 | 2.5 | 3.2 | 1.6 |
| 1992     | 2.2 | 44.9 | 25.3 | 9.2  | 3.3 | 1.8 | 2.5 | 2.5 | 0.5 | 2.7 | 3.2 | 2.0 |
| 1993     | 2.1 | 41.1 | 25.8 | 11.7 | 3.3 | 2.1 | 2.6 | 2.5 | 0.5 | 2.9 | 3.2 | 2.1 |
| 1994     | 1.7 | 41.7 | 25.4 | 11.8 | 3.1 | 2.5 | 2.3 | 2.9 | 0.5 | 2.6 | 3.5 | 1.9 |
| 1995     | 1.6 | 44.9 | 23.0 | 11.9 | 3.1 | 2.5 | 2.4 | 2.5 | 0.4 | 2.3 | 3.3 | 1.9 |
| 1996     | 1.8 | 45.3 | 23.9 | 11.4 | 3.4 | 2.0 | 2.6 | 2.4 | 0.4 | 2.1 | 2.9 | 1.8 |
| 1997     | 1.7 | 48.7 | 22.1 | 10.8 | 3.0 | 1.7 | 2.7 | 2.4 | 0.4 | 1.8 | 2.8 | 1.9 |
| 1998     | 1.6 | 52.2 | 22.3 | 7.4  | 2.5 | 2.3 | 2.6 | 2.2 | 0.4 | 1.6 | 2.7 | 2.1 |
| 1999     | 1.7 | 51.9 | 23.1 | 8.6  | 2.5 | 2.0 | 2.2 | 2.2 | 0.4 | 1.5 | 2.3 | 1.6 |
| 2000     | 1.7 | 53.8 | 22.8 | 7.3  | 3.0 | 1.5 | 2.1 | 2.0 | 0.4 | 1.5 | 2.2 | 1.8 |
| 2001     | 1.5 | 57.4 | 21.5 | 6.3  | 2.6 | 1.5 | 2.1 | 1.8 | 0.3 | 1.3 | 2.1 | 1.6 |
| 2002     | 1.4 | 57.6 | 18.5 | 8.3  | 2.5 | 2.0 | 2.1 | 2.0 | 0.4 | 1.3 | 2.2 | 1.8 |
| 2003     | 1.6 | 53.6 | 22.3 | 9.5  | 2.3 | 2.4 | 2.2 | 2.0 | 0.4 | na  | 2.3 | 1.5 |
| 2004     | 1.4 | 58.0 | 21.7 | 6.3  | 2.2 | 2.2 | 2.2 | 2.2 | 0.3 | na  | 2.0 | 1.5 |

*Source:* Spreadsheets of authors of Chapters 2-13 of this book.



Table 16: Summary of NRA data for focus Asian economies

| Country                                       | ISO Code | Max. number of years | Maximum number of products | Number of NRA observations | 2000-04                           |                                     |  |
|---|----------|----------------------|----------------------------|----------------------------|-----------------------------------|-------------------------------------|--|
|   |          |                      |                            |                            | Weighted average NRA <sup>a</sup> | Standard deviation NRA <sup>a</sup> | Gross value of production <sup>b</sup> |
| Bangladesh                                    | BD       | 32                   | 6                          | 187                        | 2.7                               | 101.2                               | 7.4                                    |
| China   | CN       | 25                   | 11                         | 275                        | 5.9                               | 15.3                                | 276.6                                  |
| India   | IN       | 41                   | 13                         | 499                        | 15.8                              | 21.5                                | 105.3                                  |
| Indonesia                                     | ID       | 35                   | 10                         | 346                        | 12.0                              | 33.3                                | 37.1                                   |
| Korea   | KP       | 51                   | 12                         | 459                        | 137.3                             | 225.4                               | 12.2                                   |
| Malaysia                                      | MY       | 46                   | 4                          | 174                        | 1.2                               | 40.1                                | 9.6                                    |
| Pakistan                                      | PK       | 45                   | 6                          | 262                        | 1.2                               | 43.1                                | 10.6                                   |
| Philippines                                   | PH       | 44                   | 8                          | 346                        | 22.0                              | 37.6                                | 9.8                                    |
| SriLanka                                      | LK       | 50                   | 7                          | 280                        | 9.5                               | 69.1                                | 1.7                                    |
| Taiwan  | TW       | 48                   | 6                          | 275                        | 61.3                              | 109.0                               | 6.2                                    |
| Thailand                                      | TH       | 35                   | 9                          | 287                        | -0.2                              | 16.7                                | 10.6                                   |
| Vietnam                                       | VN       | 20                   | 6                          | 102                        | 21.2                              | 74.3                                | 8.0                                    |
| <b>All ASIA studied countries<sup>c</sup></b> |          | <b>51</b>            | <b>35</b>                  | <b>3492</b>                | <b>12.0</b>                       | <b>64.4</b>                         | <b>495.2</b>                           |

*Source:* Chapters 2-13 of this volume.

a. Weighted average NRA and standard deviation NRA for covered products using the gross value of production at undistorted prices as weights.

b. Gross value of production at undistorted prices, in current US\$ billions.

c. The regional averages are weighted using the 5-year average annual value of production by country, except for the standard deviation which is a simple average.

Table 17: Summary of NRA data by major product, Asian region, 2000-04

| Product                     | Number of Countries | 2000-04               |                      | Gross Value of Production <sup>a</sup> | Countries included (by ISO Code) |
|-----------------------------|---------------------|-----------------------|----------------------|--|----------------------------------|
|                             |                     | Unweighed average NRA | Weighted Average NRA |  |                                  |
| Banana                      | 1                   | 0.0                   | 0.0                  | 0.47                                   | PH                               |
| Barley                      | 1                   | 562.8                 | 562.8                | 0.04                                   | KP                               |
| Beef                        | 3                   | 83.5                  | 85.2                 | 1.66                                   | KP, PH, TW                       |
| Cabbage                     | 1                   | 27.6                  | 27.6                 | 0.39                                   | KP                               |
| Cassava                     | 1                   | -10.0                 | -10.0                | 0.42                                   | TH                               |
| Chickpea                    | 1                   | 18.7                  | 18.7                 | 1.43                                   | IN                               |
| Chillies                    | 1                   | 67.2                  | 67.2                 | 0.03                                   | LK                               |
| Cocoa                       | 1                   | 0.0                   | 0.0                  | 0.02                                   | MY                               |
| Coconut                     | 3                   | -2.0                  | -7.9                 | 3.80                                   | ID, MY, PH, LK                   |
| Coffee                      | 2                   | -3.0                  | -1.7                 | 0.68                                   | ID, VN                           |
| Cotton                      | 3                   | 6.1                   | 5.1                  | 4.79                                   | CH, IN, PK                       |
| Egg                         | 2                   | 50.5                  | 51.3                 | 0.64                                   | KP, TW                           |
| Fruit & veg                 | 1                   | -8.9                  | -8.9                 | 23.10                                  | IN                               |
| Fruits                      | 1                   | 0.0                   | 0.0                  | 9.23                                   | CH                               |
| Garlic                      | 1                   | 122.6                 | 122.6                | 0.26                                   | KP                               |
| Groundnut                   | 1                   | 12.9                  | 12.9                 | 1.79                                   | IN                               |
| Jute                        | 1                   | -38.7                 | -38.7                | 0.18                                   | BD                               |
| Maize                       |                     |                       |                      |  | CH, IN, ID, PK, PH,              |
|                             | 6                   | 13.1                  | 12.6                 | 16.30                                  | TH                               |
| Milk                        | 4                   | 56.6                  | 31.6                 | 22.00                                  | CH, IN, KP, PK, TW               |
| Onion                       | 1                   | 53.4                  | 53.4                 | 0.02                                   | LK                               |
| Palmoil                     | 3                   | -6.4                  | -2.6                 | 6.66                                   | ID, MY, TH                       |
| Peppers                     | 1                   | 197.0                 | 197.0                | 0.28                                   | KP                               |
| Pigmeat                     | 6                   | 46.8                  | 4.2                  | 52.10                                  | CH, KP, PH, TW, VN               |
| Potato                      | 2                   | 83.4                  | 6.2                  | 0.44                                   | BN, LK                           |
| Poultry                     | 7                   | 77.1                  | 12.2                 | 17.50                                  | CH, KP, PH, TW, VN               |
| Rapeseed                    | 1                   | 64.8                  | 64.8                 | 1.09                                   | IN                               |
| Rice                        |                     |                       |                      |  | BN, CH, IN, ID, KP,              |
|                             | 12                  | 57.4                  | 18.5                 | 67.10                                  | MY, PK, PH, LK, TW,              |
|                             |                     |                       |                      |  | TH, VN                           |
| Rubber                      | 5                   | 5.8                   | 3.9                  | 4.47                                   | ID, MY, LK, TH, VN               |
| Sorghum                     | 1                   | 15.7                  | 15.7                 | 0.83                                   | ID                               |
| Soybean                     | 5                   | 161.8                 | 16.9                 | 5.22                                   | CH, IN, ID, KP, TH               |
| Sugar                       |                     |                       |                      |  | TH, CH, IN, ID, PK,              |
|                             | 8                   | 85.3                  | 43.1                 | 9.18                                   | PH, TH, VN                       |
| Sunflower                   | 1                   | 14.6                  | 14.6                 | 0.26                                   | IN                               |
| Tea                         | 3                   | -12.4                 | -7.5                 | 0.56                                   | BN, ID, LK                       |
| Vegetables                  | 1                   | 0.0                   | 0.0                  | 49.90                                  | CH                               |
| Wheat                       |                     |                       |                      |  | BN, CH, IN, KP, PK,              |
|                             | 6                   | 32.4                  | 10.7                 | 22.50                                  | TW                               |
| <b>All covered products</b> |                     | <b>44.1</b>           | <b>12.0</b>          | <b>325.33</b>                          |                                  |

Source: Chapters 2-13 of this volume.

a. Annual average gross value of covered production at undistorted prices (US\$billion).

Table 18: Shares of the global value of production and consumption of key covered agricultural products, Asian economies<sup>a</sup>, 2000-03 (percent)

|                 |          | Bangladesh | China       | India       | Indonesia  | Korea      | Malaysia   | Pakistan   | Philippines | Thailand   | Srilanka   | Vietnam    | Regional    | World      |
|-----------------|----------|------------|-------------|-------------|------------|------------|------------|------------|-------------|------------|------------|------------|-------------|------------|
| <b>Grains</b>   | <b>Q</b> | <b>1.7</b> | <b>18.6</b> | <b>8.5</b>  | <b>4.3</b> | <b>0.7</b> | <b>0.1</b> | <b>1.7</b> | <b>1.3</b>  | <b>1.4</b> | <b>0.1</b> | <b>1.3</b> | <b>39.6</b> | <b>100</b> |
|                 | <b>C</b> | <b>1.9</b> | <b>18.9</b> | <b>10.5</b> | <b>4.9</b> | <b>1.0</b> | <b>0.2</b> | <b>1.6</b> | <b>1.4</b>  | <b>0.8</b> | <b>0.2</b> | <b>1.0</b> | <b>42.3</b> | <b>100</b> |
| Rice            | Q        | 5.2        | 31.8        | 15.7        | 12.9       | 2.1        | 0.3        | 1.2        | 3.5         | 3.5        | 0.5        | 4.2        | 80.9        | 100        |
|                 | C        | 5.3        | 29.4        | 18.7        | 13.8       | 2.1        | 0.7        | 0.6        | 3.6         | 1.8        | 0.5        | 3.0        | 79.5        | 100        |
| Wheat           | Q        | 0.4        | 17.5        | 9.5         |            | 0.0        |            | 4.8        |             |            |            |            | 32.2        | 100        |
|                 | C        | 0.9        | 18.4        | 13.1        |            | 1.2        |            | 4.8        |             |            |            |            | 38.5        | 100        |
| Maize           | Q        |            | 19.8        | 2.0         | 1.9        |            |            | 0.3        | 0.9         | 0.7        |            |            | 25.6        | 100        |
|                 | C        |            | 25.0        | 3.0         | 2.8        |            |            | 0.5        | 1.2         | 0.9        |            |            | 33.5        | 100        |
| Cassava         | Q        |            |             |             |            |            |            |            |             | 2.1        |            |            | 2.1         | 100        |
|                 | C        |            |             |             |            |            |            |            |             | 0.1        |            |            | 0.1         | 100        |
| Barley          | Q        |            |             |             |            | 0.3        |            |            |             |            |            |            | 0.3         | 100        |
|                 | C        |            |             |             |            | 0.6        |            |            |             |            |            |            | 0.6         | 100        |
| Sorghum         | Q        |            |             | 11.6        |            |            |            |            |             |            |            |            | 11.6        | 100        |
|                 | C        |            |             | 13.1        |            |            |            |            |             |            |            |            | 13.1        | 100        |
| Yam             | Q        |            |             |             |            |            |            |            |             |            |            |            |             | 100        |
|                 | C        |            |             |             |            |            |            |            |             |            |            |            |             | 100        |
| Millet          | Q        |            |             |             |            |            |            |            |             |            |            |            |             | 100        |
|                 | C        |            |             |             |            |            |            |            |             |            |            |            |             | 100        |
| Oat             | Q        |            |             |             |            |            |            |            |             |            |            |            |             | 100        |
|                 | C        |            |             |             |            |            |            |            |             |            |            |            |             | 100        |
| Chickpea        | Q        |            |             | 61.2        |            |            |            |            |             |            |            |            | 61.2        | 100        |
|                 | C        |            |             | na          |            |            |            |            |             |            |            |            | na          | 100        |
| <b>Oilseeds</b> | <b>Q</b> |            | <b>5.0</b>  | <b>6.6</b>  | <b>3.9</b> | <b>0.0</b> | <b>6.4</b> |            |             | <b>0.5</b> |            |            | <b>22.4</b> | <b>100</b> |
|                 | <b>C</b> |            | <b>11.2</b> | <b>6.2</b>  | <b>2.2</b> | <b>0.7</b> | <b>0.3</b> |            |             | <b>0.7</b> |            |            | <b>21.3</b> | <b>100</b> |
| Soybean         | Q        |            | 10.0        | 4.2         | 0.6        | 0.1        |            |            |             | 0.1        |            |            | 15.1        | 100        |
|                 | C        |            | 21.3        | 5.0         | 1.8        | 1.3        |            |            |             | 0.7        |            |            | 30.1        | 100        |
| Groundnut       | Q        |            |             | 18.0        |            |            |            |            |             |            |            |            | 18.0        | 100        |
|                 | C        |            |             | 17.6        |            |            |            |            |             |            |            |            | 17.6        | 100        |
| Palmoil         | Q        |            |             |             | 28.1       |            | 49.3       |            |             | 3.1        |            |            | 80.5        | 100        |
|                 | C        |            |             |             | 7.9        |            | 1.6        |            |             | 2.0        |            |            | 11.5        | 100        |
| Rapeseed        | Q        |            |             | 13.0        |            |            |            |            |             |            |            |            | 13.0        | 100        |
|                 | C        |            |             | na          |            |            |            |            |             |            |            |            | na          | 100        |
| Sunflower       | Q        |            |             | 4.7         |            |            |            |            |             |            |            |            | 4.7         | 100        |
|                 | C        |            |             | 4.9         |            |            |            |            |             |            |            |            | 4.9         | 100        |
| Sesame          | Q        |            |             |             |            |            |            |            |             |            |            |            |             | 100        |
|                 | C        |            |             |             |            |            |            |            |             |            |            |            |             | 100        |
|                 |          | Bangladesh | China       | India       | Indonesia  | Korea      | Malaysia   | Pakistan   | Philippines | Thailand   | Srilanka   | Vietnam    | Regional    | World      |

|                        |          |            |             |            |             |            |            |            |            |            |            |            |             |            |
|------------------------|----------|------------|-------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|
| <b>Tropical crops</b>  | <b>Q</b> | <b>0.2</b> | <b>5.8</b>  | <b>8.1</b> | <b>11.0</b> |            | <b>1.4</b> | <b>1.6</b> | <b>1.9</b> | <b>4.2</b> | <b>1.0</b> | <b>0.9</b> | <b>36.2</b> | <b>100</b> |
|                        | <b>C</b> | <b>0.3</b> | <b>6.3</b>  | <b>9.7</b> | <b>9.8</b>  |            | <b>0.8</b> | <b>1.8</b> | <b>1.5</b> | <b>0.4</b> | <b>0.7</b> | <b>0.2</b> | <b>31.4</b> | <b>100</b> |
| Sugar                  | Q        | 0.4        | 7.9         | 16.4       | 9.1         |            |            | 2.2        | 2.1        | 3.4        |            | 0.6        | 42.1        | 100        |
|                        | C        | 0.5        | 7.3         | 16.8       | 14.5        |            |            | 2.2        | 2.3        | 0.8        |            | 0.7        | 45.0        | 100        |
| Cotton                 | Q        |            | 13.7        | 12.0       |             |            |            | 4.0        |            |            |            |            | 29.6        | 100        |
|                        | C        |            | 18.3        | 18.1       |             |            |            | 5.1        |            |            |            |            | 41.4        | 100        |
| Coconut                | Q        |            |             |            | 45.6        |            |            |            | 10.6       |            | 3.6        |            | 59.7        | 100        |
|                        | C        |            |             |            | 40.6        |            |            |            | 7.5        |            | 5.9        |            | 54.0        | 100        |
| Coffee                 | Q        |            |             |            | 7.3         |            |            |            |            |            |            | 4.6        | 11.9        | 100        |
|                        | C        |            |             |            | 3.4         |            |            |            |            |            |            | 0.1        | 3.5         | 100        |
| Rubber                 | Q        |            |             |            | 21.0        |            | 14.8       |            |            | 33.4       | 1.2        | 3.3        | 73.7        | 100        |
|                        | C        |            |             |            | 1.9         |            | 8.6        |            |            | 0.6        | 0.9        | 0.1        | 12.1        | 100        |
| Tea                    | Q        | 1.3        |             |            | 2.9         |            |            |            |            |            | 6.3        |            | 10.5        | 100        |
|                        | C        | 1.4        |             |            | 1.3         |            |            |            |            |            | 0.3        |            | 3.0         | 100        |
| Cocoa                  | Q        |            |             |            |             |            | 0.4        |            |            |            |            |            | 0.4         | 100        |
|                        | C        |            |             |            |             |            | 0.1        |            |            |            |            |            | 0.1         | 100        |
| <b>Livestock</b>       | <b>Q</b> |            | <b>14.2</b> | <b>3.7</b> | <b>0.2</b>  | <b>0.7</b> |            | <b>0.4</b> | <b>0.6</b> | <b>0.4</b> |            | <b>0.3</b> | <b>20.4</b> | <b>100</b> |
|                        | <b>C</b> |            | <b>17.0</b> | <b>4.5</b> | <b>0.2</b>  | <b>1.4</b> |            | <b>0.5</b> | <b>0.8</b> | <b>0.4</b> |            |            | <b>24.8</b> | <b>100</b> |
| Pigmeat                | Q        |            | 43.9        |            |             | 0.9        |            |            | 1.9        | 0.7        |            | 1.0        | 48.3        | 100        |
|                        | C        |            | 47.9        |            |             | 1.2        |            |            | 2.1        | 0.8        |            |            | 51.9        | 100        |
| Milk                   | Q        |            | 2.5         | 16.4       |             | 0.4        |            | 1.8        |            |            |            |            | 21.0        | 100        |
|                        | C        |            | 3.1         | 20.3       |             | 0.5        |            | 2.3        |            |            |            |            | 26.1        | 100        |
| Beef                   | Q        |            |             |            |             | 1.2        |            |            | 0.6        |            |            |            | 1.8         | 100        |
|                        | C        |            |             |            |             | 4.6        |            |            | 1.2        |            |            |            | 5.7         | 100        |
| Poultry                | Q        |            | 23.0        |            | 1.1         | 0.4        |            |            | 0.2        | 1.6        |            | 0.5        | 26.8        | 100        |
|                        | C        |            | 32.7        |            | 1.5         | 0.7        |            |            | 0.3        | 1.6        |            |            | 36.8        | 100        |
| Egg                    | Q        |            |             |            |             | 0.8        |            |            |            |            |            |            | 0.8         | 100        |
|                        | C        |            |             |            |             | 0.8        |            |            |            |            |            |            | 0.8         | 100        |
| Sheepmeat              | Q        |            |             |            |             |            |            |            |            |            |            |            |             | 100        |
|                        | C        |            |             |            |             |            |            |            |            |            |            |            |             | 100        |
| Wool                   | Q        |            |             |            |             |            |            |            |            |            |            |            |             | 100        |
|                        | C        |            |             |            |             |            |            |            |            |            |            |            |             | 100        |
| <b>Total of above</b>  | <b>Q</b> | <b>0.5</b> | <b>14.2</b> | <b>5.8</b> | <b>2.6</b>  | <b>0.6</b> | <b>0.6</b> | <b>0.9</b> | <b>0.8</b> | <b>1.0</b> | <b>0.1</b> | <b>0.6</b> | <b>27.8</b> | <b>100</b> |
|                        | <b>C</b> | <b>0.7</b> | <b>16.3</b> | <b>7.1</b> | <b>2.7</b>  | <b>1.1</b> | <b>0.2</b> | <b>1.0</b> | <b>1.0</b> | <b>0.5</b> | <b>0.1</b> | <b>0.4</b> | <b>31.1</b> | <b>100</b> |
| <b>Production</b>      |          |            |             |            |             |            |            |            |            |            |            |            |             |            |
| All covered            | Q        | 0.6        | 21.2        | 8.5        | 2.5         | 0.7        | 0.6        | 0.9        | 0.9        | 1.0        | 0.1        | 0.6        | 37.6        | 100        |
| Non-covered            | Q        | 0.5        | 23.1        | 8.0        | 3.9         | 1.5        | 1.0        | 0.8        | 0.5        | 0.6        | 0.2        | 0.7        | 40.7        | 100        |
| <b>All agriculture</b> | <b>Q</b> | <b>0.6</b> | <b>21.8</b> | <b>8.4</b> | <b>2.9</b>  | <b>1.0</b> | <b>0.8</b> | <b>0.8</b> | <b>0.8</b> | <b>0.8</b> | <b>0.1</b> | <b>0.6</b> | <b>38.6</b> | <b>100</b> |

Source: Authors' calculations using Project data and FAO Production and Commodity Balance Data.

a. There are no Taiwan data in the FAO database.

Table 19: Shares of the global value of exports and imports of key covered agricultural products, Asian economies<sup>a</sup>, 2000-03  
(percent)

|                 |          | Bangladesh | China      | India      | Indonesia  | Korea      | Malaysia    | Pakistan   | Philippines | Thailand   | Srilanka   | Vietnam    | Regional    | World        |
|-----------------|----------|------------|------------|------------|------------|------------|-------------|------------|-------------|------------|------------|------------|-------------|--------------|
| <b>Grains</b>   | <b>X</b> | <b>0.0</b> | <b>4.7</b> | <b>3.4</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b>  | <b>0.2</b> | <b>0.0</b>  | <b>5.8</b> | <b>0.0</b> | <b>1.9</b> | <b>16.0</b> | <b>100.0</b> |
|                 | <b>M</b> | <b>0.9</b> | <b>2.6</b> | <b>0.2</b> | <b>1.1</b> | <b>1.5</b> | <b>0.3</b>  | <b>0.2</b> | <b>0.5</b>  | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>7.4</b>  | <b>100.0</b> |
| Rice            | X        | 0.0        | 6.7        | 12.7       | 0.0        | 0.0        | 0.0         | 0.0        | 0.0         | 24.5       | 0.0        | 10.0       | 53.9        | 100.0        |
|                 | M        | 1.6        | 1.7        | 0.0        | 4.0        | 0.6        | 2.0         | 0.0        | 2.3         | 0.0        | 0.1        | 0.0        | 12.3        | 100.0        |
| Wheat           | X        | 0.0        | 0.6        | 2.1        |            | 0.0        |             | 0.4        |             |            |            |            | 3.2         | 100.0        |
|                 | M        | 1.4        | 1.9        | 0.0        |            | 3.2        |             | 0.4        |             |            |            |            | 6.8         | 100.0        |
| Maize           | X        |            | 11.9       | 0.3        | 0.1        |            |             | 0.0        | 0.0         | 0.3        |            |            | 12.6        | 100.0        |
|                 | M        |            | 5.7        | 0.0        | 1.3        |            |             | 0.1        | 0.4         | 0.1        |            |            | 7.6         | 100.0        |
| Cassava         | X        |            |            |            |            |            |             |            |             | 72.6       |            |            | 72.6        | 100.0        |
|                 | M        |            |            |            |            |            |             |            |             | 0.0        |            |            | 0.0         | 100.0        |
| Barley          | X        |            |            |            |            | 0.0        |             |            |             |            |            |            | 0.0         | 100.0        |
|                 | M        |            |            |            |            | 0.6        |             |            |             |            |            |            | 0.6         | 100.0        |
| Sorghum         | X        |            |            | 0.1        |            |            |             |            |             |            |            |            | 0.1         | 100.0        |
|                 | M        |            |            | 0.0        |            |            |             |            |             |            |            |            |             | 100.0        |
| Yam             | X        |            |            |            |            |            |             |            |             |            |            |            |             | 100.0        |
|                 | M        |            |            |            |            |            |             |            |             |            |            |            |             | 100.0        |
| Millet          | X        |            |            |            |            |            |             |            |             |            |            |            |             | 100.0        |
|                 | M        |            |            |            |            |            |             |            |             |            |            |            |             | 100.0        |
| Oat             | X        |            |            |            |            |            |             |            |             |            |            |            |             | 100.0        |
|                 | M        |            |            |            |            |            |             |            |             |            |            |            |             | 100.0        |
| Chickpea        | X        |            |            | 0.2        |            |            |             |            |             |            |            |            | 0.2         | 100.0        |
|                 | M        |            |            | 23.5       |            |            |             |            |             |            |            |            | 23.5        | 100.0        |
| <b>Oilseeds</b> | <b>X</b> |            | <b>0.4</b> | <b>1.2</b> | <b>9.9</b> | <b>0.0</b> | <b>20.7</b> |            |             | <b>0.2</b> |            |            | <b>32.4</b> | <b>100.0</b> |
|                 | <b>M</b> |            | <b>6.9</b> | <b>0.2</b> | <b>1.1</b> | <b>1.1</b> | <b>0.5</b>  |            |             | <b>1.2</b> |            |            | <b>11.1</b> | <b>100.0</b> |
| Soybean         | X        |            | 1.1        | 2.4        | 0.0        | 0.0        |             |            |             | 0.0        |            |            | 3.6         | 100.0        |
|                 | M        |            | 17.4       | 0.0        | 2.7        | 2.7        |             |            |             | 3.1        |            |            | 25.9        | 100.0        |
| Groundnut       | X        |            |            | 8.3        |            |            |             |            |             |            |            |            | 8.3         | 100.0        |
|                 | M        |            |            | 0.0        |            |            |             |            |             |            |            |            | 0.0         | 100.0        |
| Palmoil         | X        |            |            |            | 27.0       |            | 56.8        |            |             | 0.6        |            |            | 84.4        | 100.0        |
|                 | M        |            |            |            | 0.0        |            | 1.3         |            |             | 0.0        |            |            | 1.4         | 100.0        |
| Rapeseed        | X        |            |            | 0.1        |            |            |             |            |             |            |            |            | 0.1         | 100.0        |
|                 | M        |            |            | 0.0        |            |            |             |            |             |            |            |            |             | 100.0        |
| Sunflower       | X        |            |            | 0.1        |            |            |             |            |             |            |            |            | 0.1         | 100.0        |
|                 | M        |            |            | 3.2        |            |            |             |            |             |            |            |            | 3.2         | 100.0        |
| Sesame          | X        |            |            |            |            |            |             |            |             |            |            |            |             | 100.0        |
|                 | M        |            |            |            |            |            |             |            |             |            |            |            |             | 100.0        |

|                           |   | Bangladesh | China      | India      | Indonesia  | Korea      | Malaysia   | Pakistan   | Philippines | Thailand   | Srilanka   | Vietnam    | Regional    | World        |
|---------------------------|---|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|-------------|--------------|
| <b>Tropical crops</b>     | X | <b>0.0</b> | <b>0.6</b> | <b>1.2</b> | <b>3.0</b> |            | <b>1.4</b> | <b>0.2</b> | <b>0.3</b>  | <b>6.4</b> | <b>2.7</b> | <b>2.7</b> | <b>18.6</b> | <b>100.0</b> |
|                           | M | <b>0.3</b> | <b>2.4</b> | <b>0.6</b> | <b>1.0</b> |            | <b>1.1</b> | <b>0.8</b> | <b>0.2</b>  | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>6.5</b>  | <b>100.0</b> |
| Sugar                     | X | 0.0        | 0.7        | 2.8        | 0.0        |            |            | 0.0        | 0.4         | 7.4        |            | 0.2        | 11.4        | 100.0        |
|                           | M | 0.8        | 2.8        | 0.1        | 2.5        |            |            | 1.3        | 0.4         | 0.0        |            | 0.1        | 8.0         | 100.0        |
| Cotton                    | X |            | 2.5        | 0.7        |            |            |            | 1.0        |             |            |            |            | 4.2         | 100.0        |
|                           | M |            | 9.4        | 4.4        |            |            |            | 2.4        |             |            |            |            | 16.2        | 100.0        |
| Coconut                   | X |            |            |            | 15.0       |            |            |            | 30.3        |            | 16.9       |            | 62.2        | 100.0        |
|                           | M |            |            |            | 0.1        |            |            |            | 0.0         |            | 0.0        |            | 0.2         | 100.0        |
| Coffee                    | X |            |            |            | 3.2        |            |            |            |             |            |            | 11.2       | 14.4        | 100.0        |
|                           | M |            |            |            | 0.1        |            |            |            |             |            |            | 0.0        | 0.1         | 100.0        |
| Rubber                    | X |            |            |            | 23.7       |            | 15.6       |            |             | 41.6       | 0.7        | 11.7       | 93.3        | 100.0        |
|                           | M |            |            |            | 0.2        |            | 6.3        |            |             | 0.0        | 0.1        | 0.1        | 6.7         | 100.0        |
| Tea                       | X | 0.3        |            |            | 3.7        |            |            |            |             |            | 23.9       |            | 27.9        | 100.0        |
|                           | M | 0.0        |            |            | 0.1        |            |            |            |             |            | 0.3        |            | 0.4         | 100.0        |
| Cocoa                     | X |            |            |            |            |            | 0.6        |            |             |            |            |            | 0.6         | 100.0        |
|                           | M |            |            |            |            |            | 4.3        |            |             |            |            |            | 4.3         | 100.0        |
| <b>Livestock products</b> | X |            | <b>1.7</b> | <b>0.1</b> | <b>0.0</b> | <b>0.1</b> |            | <b>0.0</b> | <b>0.0</b>  | <b>1.3</b> |            | <b>0.1</b> | <b>3.3</b>  | <b>100.0</b> |
|                           | M |            | <b>1.4</b> | <b>0.0</b> | <b>0.0</b> | <b>1.7</b> |            | <b>0.0</b> | <b>0.2</b>  | <b>0.0</b> |            | <b>0.0</b> | <b>3.3</b>  | <b>100.0</b> |
| Pigmeat                   | X |            | 2.2        |            |            | 0.3        |            |            | 0.0         | 0.1        |            | 0.4        | 3.0         | 100.0        |
|                           | M |            | 0.6        |            |            | 1.4        |            |            | 0.2         | 0.0        |            | 0.0        | 2.2         | 100.0        |
| Milk                      | X |            | 0.2        | 0.2        |            | 0.0        |            | 0.0        |             |            |            |            | 0.4         | 100.0        |
|                           | M |            | 1.7        | 0.1        |            | 0.6        |            | 0.0        |             |            |            |            | 2.3         | 100.0        |
| Beef                      | X |            |            |            |            | 0.0        |            |            | 0.0         |            |            |            | 0.0         | 100.0        |
|                           | M |            |            |            |            | 5.2        |            |            | 0.6         |            |            |            | 5.8         | 100.0        |
| Poultry                   | X |            | 7.9        |            | 0.0        | 0.0        |            |            | 0.0         | 8.6        |            | 0.0        | 16.6        | 100.0        |
|                           | M |            | 4.5        |            | 0.0        | 1.0        |            |            | 0.1         | 0.0        |            | 0.0        | 5.7         | 100.0        |
| Egg                       | X |            |            |            |            | 0.0        |            |            |             |            |            |            | 0.0         | 100.0        |
|                           | M |            |            |            |            | 0.1        |            |            |             |            |            |            | 0.1         | 100.0        |
| Sheepmeat                 | X |            |            |            |            |            |            |            |             |            |            |            |             | 100.0        |
|                           | M |            |            |            |            |            |            |            |             |            |            |            |             | 100.0        |
| Wool                      | X |            |            |            |            |            |            |            |             |            |            |            |             | 100.0        |
|                           | M |            |            |            |            |            |            |            |             |            |            |            |             | 100.0        |
| <b>Total of above</b>     | X | <b>0.0</b> | <b>2.1</b> | <b>1.1</b> | <b>1.6</b> | <b>0.0</b> | <b>2.5</b> | <b>0.1</b> | <b>0.1</b>  | <b>3.1</b> | <b>0.5</b> | <b>0.9</b> | <b>12.1</b> | <b>100.0</b> |
|                           | M | <b>0.3</b> | <b>2.5</b> | <b>0.2</b> | <b>0.6</b> | <b>1.3</b> | <b>0.3</b> | <b>0.2</b> | <b>0.2</b>  | <b>0.2</b> | <b>0.0</b> | <b>0.0</b> | <b>5.8</b>  | <b>100.0</b> |
| <b>All exports</b>        | X | <b>0.0</b> | <b>3.2</b> | <b>1.2</b> | <b>1.3</b> | <b>0.4</b> | <b>1.6</b> | <b>0.2</b> | <b>0.4</b>  | <b>1.8</b> | <b>0.2</b> | <b>0.5</b> | <b>10.8</b> | <b>100.0</b> |
|                           | M | <b>0.3</b> | <b>3.8</b> | <b>0.8</b> | <b>0.9</b> | <b>1.9</b> | <b>0.9</b> | <b>0.4</b> | <b>0.6</b>  | <b>0.6</b> | <b>0.2</b> | <b>0.3</b> | <b>10.6</b> | <b>100.0</b> |

Source: Authors' derivation using production, trade value data at FAOSTAT.

a. There are no Taiwan data in the FAO database.

Table 20: Shares of production exported, and of consumption imported and produced domestically, key covered products, Asian economies, 2000-03

|                 |     | Bangladesh | China     | India      | Indonesia  | Korea      | Malaysia    | Pakistan   | Philippines | Thailand   | Srilanka  | Vietnam    | All Asian focus countries |
|-----------------|-----|------------|-----------|------------|------------|------------|-------------|------------|-------------|------------|-----------|------------|---------------------------|
| <b>Grains</b>   | X/Q | <b>0</b>   | <b>4</b>  | <b>4</b>   | <b>0</b>   | <b>1</b>   | <b>2</b>    | <b>13</b>  | <b>0</b>    | <b>42</b>  | <b>0</b>  | <b>16</b>  | <b>7</b>                  |
|                 | M/C | <b>10</b>  | <b>2</b>  | <b>0</b>   | <b>5</b>   | <b>36</b>  | <b>26</b>   | <b>2</b>   | <b>9</b>    | <b>1</b>   | <b>3</b>  | <b>0</b>   | <b>8</b>                  |
|                 | Q/C | <b>98</b>  | <b>99</b> | <b>101</b> | <b>95</b>  | <b>103</b> | <b>73</b>   | <b>119</b> | <b>95</b>   | <b>293</b> | <b>99</b> | <b>137</b> | <b>119</b>                |
| Rice            | X/Q | 0          | 2         | 4          | 0          | 0          | 2           | 45         | 0           | 43         | 0         | 16         | 6                         |
|                 | M/C | 3          | 1         | 0          | 4          | 3          | 26          | 0          | 10          | 0          | 3         | 0          | 1                         |
|                 | Q/C | 102        | 99        | 102        | 96         | 104        | 73          | 186        | 95          | 196        | 99        | 137        | 105                       |
| Wheat           | X/Q | 0          | 2         | 5          |            | 2038       |             | 5          |             |            |           |            | 3                         |
|                 | M/C | 61         | 2         | 0          |            | 101        |             | 2          |             |            |           |            | 4                         |
|                 | Q/C | 49         | 96        | 102        |            | 0          |             | 101        |             |            |           |            | 96                        |
| Maize           | X/Q |            | 10        | 2          | 0          |            |             | 0          | 0           | 5          |           |            | 8                         |
|                 | M/C |            | 5         | 0          | 11         |            |             | 0          | 8           | 2          |           |            | 5                         |
|                 | Q/C |            | 101       | 101        | 89         |            |             | 96         | 95          | 103        |           |            | 100                       |
| Cassava         | X/Q |            |           |            |            |            |             |            |             | 75         |           |            | 75                        |
|                 | M/C |            |           |            |            |            |             |            |             | 0          |           |            | 0                         |
|                 | Q/C |            |           |            |            |            |             |            |             | 1181       |           |            | 1181                      |
| Barley          | X/Q |            |           |            |            | 1          |             |            |             |            |           |            | 1                         |
|                 | M/C |            |           |            |            | 44         |             |            |             |            |           |            | 44                        |
|                 | Q/C |            |           |            |            | 56         |             |            |             |            |           |            | 56                        |
| Sorghum         | X/Q |            |           | 0          |            |            |             |            |             |            |           |            | 0                         |
|                 | M/C |            |           | 0          |            |            |             |            |             |            |           |            | 0                         |
|                 | Q/C |            |           | 100        |            |            |             |            |             |            |           |            | 100                       |
| Millet          | X/Q |            |           |            |            |            |             |            |             |            |           |            |                           |
|                 | M/C |            |           |            |            |            |             |            |             |            |           |            |                           |
|                 | Q/C |            |           |            |            |            |             |            |             |            |           |            |                           |
| Oat             | X/Q |            |           |            |            |            |             |            |             |            |           |            |                           |
|                 | M/C |            |           |            |            |            |             |            |             |            |           |            |                           |
|                 | Q/C |            |           |            |            |            |             |            |             |            |           |            |                           |
| <b>Oilseeds</b> | X/Q |            | <b>2</b>  | <b>2</b>   | <b>66</b>  | <b>1</b>   | <b>98</b>   |            |             | <b>24</b>  |           |            | <b>32</b>                 |
|                 | M/C |            | <b>52</b> | <b>0</b>   | <b>27</b>  | <b>93</b>  | <b>61</b>   |            |             | <b>71</b>  |           |            | <b>51</b>                 |
|                 | Q/C |            | <b>50</b> | <b>99</b>  | <b>331</b> | <b>7</b>   | <b>2804</b> |            |             | <b>136</b> |           |            | <b>571</b>                |
| Soybean         | X/Q |            | 2         | 2          | 0          | 1          |             |            |             | 2          |           |            | 2                         |
|                 | M/C |            | 52        | 0          | 61         | 93         |             |            |             | 119        |           |            | 49                        |
|                 | Q/C |            | 50        | 94         | 39         | 7          |             |            |             | 22         |           |            | 53                        |



|                       |            | Bangladesh | China     | India      | Indonesia  | Korea | Malaysia   | Pakistan  | Philippines | Thailand    | Srilanka    | Vietnam     | All Asian focus countries |
|-----------------------|------------|------------|-----------|------------|------------|-------|------------|-----------|-------------|-------------|-------------|-------------|---------------------------|
| Groundnut             | X/Q        |            |           | 3          |            |       |            |           |             |             |             |             | 3                         |
|                       | M/C        |            |           | 0          |            |       |            |           |             |             |             |             | 0                         |
|                       | Q/C        |            |           | 102        |            |       |            |           |             |             |             |             | 102                       |
| Palmoil               | X/Q        |            |           |            | 71         |       | 98         |           |             | 28          |             |             | 85                        |
|                       | M/C        |            |           |            | 1          |       | 61         |           |             | 13          |             |             | 11                        |
|                       | Q/C        |            |           |            | 355        |       | 2804       |           |             | 157         |             |             | 661                       |
| Sunflower             | X/Q        |            |           | 0          |            |       |            |           |             |             |             |             | 0                         |
|                       | M/C        |            |           | 0          |            |       |            |           |             |             |             |             | 0                         |
|                       | Q/C        |            |           | 104        |            |       |            |           |             |             |             |             | 104                       |
| Sesame                | X/Q        |            |           |            |            |       |            |           |             |             |             |             |                           |
|                       | M/C        |            |           |            |            |       |            |           |             |             |             |             |                           |
|                       | Q/C        |            |           |            |            |       |            |           |             |             |             |             |                           |
| <b>Tropical crops</b> | <b>X/Q</b> | <b>7</b>   | <b>3</b>  | <b>3</b>   | <b>22</b>  |       | <b>105</b> | <b>1</b>  | <b>9</b>    | <b>92</b>   | <b>63</b>   | <b>75</b>   | <b>38</b>                 |
|                       | <b>M/C</b> | <b>21</b>  | <b>9</b>  | <b>2</b>   | <b>18</b>  |       | <b>110</b> | <b>7</b>  | <b>6</b>    | <b>1</b>    | <b>5</b>    | <b>5</b>    | <b>18</b>                 |
|                       | <b>Q/C</b> | <b>97</b>  | <b>97</b> | <b>107</b> | <b>270</b> |       | <b>192</b> | <b>96</b> | <b>107</b>  | <b>3855</b> | <b>1250</b> | <b>4171</b> | <b>1024</b>               |
| Sugar                 | X/Q        | 0          | 6         | 4          | 2          |       |            | 1         | 6           | 68          |             | 5           | 12                        |
|                       | M/C        | 34         | 16        | 0          | 39         |       |            | 12        | 12          | 1           |             | 4           | 9                         |
|                       | Q/C        | 79         | 97        | 111        | 62         |       |            | 92        | 93          | 328         |             | 102         | 109                       |
| Cotton                | X/Q        |            | 1         | 1          |            |       |            | 1         |             |             |             |             | 1                         |
|                       | M/C        |            | 4         | 5          |            |       |            | 3         |             |             |             |             | 4                         |
|                       | Q/C        |            | 97        | 96         |            |       |            | 99        |             |             |             |             | 97                        |
| Coconut               | X/Q        |            |           |            | 5          |       |            |           | 12          |             | 17          |             | 9                         |
|                       | M/C        |            |           |            | 0          |       |            |           | 0           |             | 2           |             | 0                         |
|                       | Q/C        |            |           |            | 106        |       |            |           | 114         |             | 120         |             | 110                       |
| Coffee                | X/Q        |            |           |            | 50         |       |            |           |             |             |             | 101         | 78                        |
|                       | M/C        |            |           |            | 3          |       |            |           |             |             |             | 0           | 3                         |
|                       | Q/C        |            |           |            | 196        |       |            |           |             |             |             | 5130        | 413                       |
| Rubber                | X/Q        |            |           |            | 90         |       | 99         |           |             | 101         | 38          | 94          | 96                        |
|                       | M/C        |            |           |            | 14         |       | 97         |           |             | 3           | 6           | 47          | 71                        |
|                       | Q/C        |            |           |            | 1189       |       | 162        |           |             | 5137        | 150         | 6069        | 657                       |
| Tea                   | X/Q        | 14         |           |            | 64         |       |            |           |             |             |             | 97          | 78                        |
|                       | M/C        | 0          |           |            | 6          |       |            |           |             |             |             | 31          | 6                         |
|                       | Q/C        | 117        |           |            | 263        |       |            |           |             |             |             | 2166        | 431                       |
| Cocoa                 | X/Q        |            |           |            |            |       | 448        |           |             |             |             |             | 448                       |
|                       | M/C        |            |           |            |            |       | 2434       |           |             |             |             |             | 2434                      |
|                       | Q/C        |            |           |            |            |       | 1009       |           |             |             |             |             | 1009                      |

|                       |            |           |            |            |            |           |             |             |            |             |            | All Asian<br>focus<br>countries |
|-----------------------|------------|-----------|------------|------------|------------|-----------|-------------|-------------|------------|-------------|------------|---------------------------------|
|                       | Bangladesh | China     | India      | Indonesia  | Korea      | Malaysia  | Pakistan    | Philippines | Thailand   | Srilanka    | Vietnam    |                                 |
| <b>Livestock</b>      | X/Q        | <b>3</b>  | <b>0</b>   | <b>0</b>   | <b>3</b>   |           | <b>0</b>    | <b>0</b>    | <b>22</b>  |             |            | <b>4</b>                        |
|                       | M/C        | <b>4</b>  | <b>0</b>   | <b>1</b>   | <b>38</b>  |           | <b>0</b>    | <b>9</b>    | <b>0</b>   |             |            | <b>7</b>                        |
|                       | Q/C        | <b>99</b> | <b>100</b> | <b>100</b> | <b>74</b>  |           | <b>100</b>  | <b>92</b>   | <b>133</b> |             |            | <b>100</b>                      |
| Pigmeat               | X/Q        | 1         |            |            | 3          |           |             | 0           | 3          |             | na         | 1                               |
|                       | M/C        | 1         |            |            | 15         |           |             | 3           | 0          |             | na         | 2                               |
|                       | Q/C        | 100       |            |            | 88         |           |             | 97          | 103        |             | na         | 99                              |
| Milk                  | X/Q        | 2         | 0          |            | 0          |           | 0           |             |            |             |            | 0                               |
|                       | M/C        | 7         | 0          |            | 0          |           | 0           |             |            |             |            | 1                               |
|                       | Q/C        | 95        | 100        |            | 100        |           | 100         |             |            |             |            | 99                              |
| Beef                  | X/Q        |           |            |            | 5          |           |             | 0           |            |             |            | 2                               |
|                       | M/C        |           |            |            | 61         |           |             | 26          |            |             |            | 48                              |
|                       | Q/C        |           |            |            | 41         |           |             | 74          |            |             |            | 53                              |
| Poultry               | X/Q        | 9         |            | 0          | 1          |           |             | 0           | 35         |             | na         | 10                              |
|                       | M/C        | 12        |            | 1          | 18         |           |             | 3           | 0          |             | na         | 11                              |
|                       | Q/C        | 96        |            | 100        | 83         |           |             | 97          | 153        |             | na         | 99                              |
| Egg                   | X/Q        |           |            |            | 0          |           |             |             |            |             |            | 0                               |
|                       | M/C        |           |            |            | 1          |           |             |             |            |             |            | 1                               |
|                       | Q/C        |           |            |            | 99         |           |             |             |            |             |            | 99                              |
| Sheepmeat             | X/Q        |           |            |            |            |           |             |             |            |             |            |                                 |
|                       | M/C        |           |            |            |            |           |             |             |            |             |            |                                 |
|                       | Q/C        |           |            |            |            |           |             |             |            |             |            |                                 |
| Wool                  | X/Q        |           |            |            |            |           |             |             |            |             |            |                                 |
|                       | M/C        |           |            |            |            |           |             |             |            |             |            |                                 |
|                       | Q/C        |           |            |            |            |           |             |             |            |             |            |                                 |
| <b>Total of above</b> | X/Q        | <b>0</b>  | <b>3</b>   | <b>2</b>   | <b>15</b>  | <b>2</b>  | <b>94</b>   | <b>8</b>    | <b>2</b>   | <b>51</b>   | <b>42</b>  | <b>25</b>                       |
|                       | M/C        | <b>10</b> | <b>6</b>   | <b>0</b>   | <b>10</b>  | <b>40</b> | <b>63</b>   | <b>2</b>    | <b>9</b>   | <b>7</b>    | <b>4</b>   | <b>0</b>                        |
|                       | Q/C        | <b>98</b> | <b>97</b>  | <b>101</b> | <b>181</b> | <b>84</b> | <b>2256</b> | <b>111</b>  | <b>96</b>  | <b>1234</b> | <b>867</b> | <b>762</b>                      |

Source: Authors' derivation using production, trade and domestic supply data in the FAO Commodity Balances at FAOSTAT.