

Appendix table 9--U.S. share of world production, exports, and ending stocks of rice, 1960-89

| Crop year <u>1/</u> | U.S. share of world: | | |
|---------------------|----------------------|-------------------|---------------|
| | Production | Exports <u>2/</u> | Ending stocks |
| | | <u>Percent</u> | |
| 1960/61 | 1.2 | 14.5 | 3.2 |
| 1961/62 | 1.2 | 15.1 | 2.0 |
| 1962/63 | 1.4 | 15.6 | 2.0 |
| 1963/64 | 1.4 | 17.7 | 1.5 |
| 1964/65 | 1.3 | 17.3 | 1.5 |
| 1965/66 | 1.4 | 18.0 | 1.5 |
| 1966/67 | 1.6 | 22.3 | 1.5 |
| 1967/68 | 1.6 | 25.3 | 1.1 |
| 1968/69 | 1.8 | 23.5 | 2.1 |
| 1969/70 | 1.5 | 22.8 | 2.0 |
| 1970/71 | 1.3 | 17.3 | 2.1 |
| 1971/72 | 1.3 | 21.4 | 1.3 |
| 1972/73 | 1.3 | 20.1 | .7 |
| 1973/74 | 1.3 | 20.5 | .9 |
| 1974/75 | 1.6 | 29.2 | .8 |
| 1975/76 | 1.7 | 20.6 | 3.1 |
| 1976/77 | 1.6 | 19.8 | 3.4 |
| 1977/78 | 1.2 | 23.6 | 2.0 |
| 1978/79 | 1.6 | 20.3 | 1.9 |
| 1979/80 | 1.7 | 21.3 | 1.6 |
| 1980/81 | 1.8 | 23.1 | 1.2 |
| 1981/82 | 2.1 | 22.7 | 3.7 |
| 1982/83 | 1.7 | 18.6 | 5.3 |
| 1983/84 | 1.0 | 18.0 | 3.2 |
| 1984/85 | 1.4 | 17.0 | 3.8 |
| 1985/86 | 1.4 | 14.7 | 4.6 |
| 1986/87 | 1.3 | 21.4 | 3.5 |
| 1987/88 | 1.3 | 18.8 | 2.4 |
| 1988/89 <u>3/</u> | 1.5 | 18.4 | 2.3 |
| 1989/90 <u>4/</u> | 1.4 | 18.6 | 1.9 |

1/ Based on aggregate of differing local marketing years.

2/ Calendar year of second year.

3/ Estimated.

4/ Projected.

Source: World Grain Situation and Outlook, U.S. Dept. Agr., Foreign Agricultural Service.

Appendix table 10--Ratio of world trade and ending stocks to consumption;
U.S. exports as share of foreign consumption, 1960-89

| Calendar year | World trade to world consumption <u>1/</u> | World ending stocks to world consumption <u>1/</u> | U.S. exports to foreign consumption |
|----------------|--|--|-------------------------------------|
| | | <u>Percent</u> | |
| 1960 | 4.1 | 6.7 | 0.6 |
| 1961 | 4.1 | 5.7 | .6 |
| 1962 | 4.7 | 8.2 | .7 |
| 1963 | 4.7 | 9.9 | .8 |
| 1964 | 4.5 | 9.6 | .8 |
| 1965 | 4.6 | 10.4 | .8 |
| 1966 | 4.3 | 10.4 | 1.0 |
| 1967 | 3.8 | 11.2 | 1.0 |
| 1968 | 3.8 | 12.9 | .9 |
| 1969 | 3.9 | 13.1 | .9 |
| 1970 | 4.0 | 13.6 | .7 |
| 1971 | 3.9 | 13.1 | .8 |
| 1972 | 4.0 | 10.9 | .8 |
| 1973 | 3.5 | 12.8 | .7 |
| 1974 | 3.3 | 12.4 | 1.0 |
| 1975 | 3.6 | 16.7 | .7 |
| 1976 | 4.5 | 15.9 | .9 |
| 1977 | 3.9 | 17.9 | .9 |
| 1978 | 4.7 | 21.2 | 1.0 |
| 1979 | 4.9 | 20.1 | 1.0 |
| 1980 | 4.7 | 17.1 | 1.1 |
| 1981 | 4.1 | 15.2 | .9 |
| 1982 | 4.2 | 15.1 | .8 |
| 1983 | 4.1 | 15.3 | .7 |
| 1984 | 3.7 | 17.7 | .6 |
| 1985 | 4.0 | 16.9 | .6 |
| 1986 | 4.0 | 15.5 | .8 |
| 1987 | 3.7 | 12.9 | .7 |
| 1988 <u>2/</u> | 4.2 | 13.3 | .8 |
| 1989 <u>3/</u> | 3.9 | 12.9 | .7 |

1/ Consumption and stock data are based on an aggregate of differing local marketing years.

2/ Estimated.

3/ Projected.

Source: World Grain Situation and Outlook. U.S. Dept. Agr., Foreign Agricultural Service, various issues.

Appendix table 11--Milled-equivalent rice production and exports of major foreign exporters, 1960-88 ^{1/}

| Market year ^{2/} | Thailand | | Pakistan | | Burma | | China | |
|----------------------------|------------|---------|------------|---------|------------|---------|------------|---------|
| | Production | Exports | Production | Exports | Production | Exports | Production | Exports |
| <u>Million metric tons</u> | | | | | | | | |
| 1960/61 | 6.28 | 1.58 | 1.03 | 0.12 | 4.28 | 1.59 | 41.81 | 0.43 |
| 1961/62 | 6.53 | 1.27 | 1.13 | .13 | 4.05 | 1.74 | 37.55 | .46 |
| 1962/63 | 7.26 | 1.42 | 1.10 | .10 | 4.79 | 1.71 | 44.09 | .68 |
| 1963/64 | 7.65 | 1.90 | 1.19 | .16 | 4.87 | 1.41 | 51.64 | .76 |
| 1964/65 | 7.50 | 1.90 | 1.35 | .14 | 5.32 | 1.34 | 58.10 | .99 |
| 1965/66 | 7.25 | 1.51 | 1.32 | .21 | 5.16 | 1.13 | 61.46 | 1.49 |
| 1966/67 | 7.89 | 1.48 | 1.37 | .14 | 3.93 | .55 | 66.77 | 1.58 |
| 1967/68 | 6.35 | 1.07 | 1.50 | .08 | 4.96 | .33 | 65.58 | 1.30 |
| 1968/69 | 6.89 | 1.02 | 2.03 | .14 | 5.13 | .56 | 66.17 | 1.18 |
| 1969/70 | 8.85 | 1.06 | 2.40 | .13 | 4.99 | .68 | 66.55 | 1.28 |
| 1970/71 | 8.95 | 1.58 | 2.20 | .20 | 5.11 | .84 | 76.99 | 1.29 |
| 1971/72 | 9.07 | 2.11 | 2.23 | .30 | 5.12 | .57 | 80.64 | 1.43 |
| 1972/73 | 8.19 | .85 | 2.29 | .77 | 4.61 | .16 | 79.35 | 2.63 |
| 1973/74 | 9.83 | 1.05 | 2.46 | .48 | 5.38 | .21 | 85.22 | 2.06 |
| 1974/75 | 8.84 | .93 | 2.31 | .50 | 5.37 | .31 | 86.73 | 1.63 |
| 1975/76 | 10.10 | 1.87 | 2.62 | .86 | 5.76 | .66 | 87.89 | .88 |
| 1976/77 | 9.94 | 2.92 | 2.74 | .86 | 5.83 | .69 | 88.06 | 1.03 |
| 1977/78 | 9.19 | 1.57 | 2.95 | .70 | 5.91 | .38 | 89.10 | 1.44 |
| 1978/79 | 11.53 | 2.70 | 3.27 | 1.37 | 6.58 | .59 | 95.85 | 1.05 |
| 1979/80 | 10.40 | 2.70 | 3.22 | .97 | 6.53 | .68 | 100.63 | 1.11 |
| 1980/81 | 11.46 | 3.05 | 3.12 | 1.13 | 8.33 | .67 | 97.93 | .58 |
| 1981/82 | 11.73 | 3.62 | 3.43 | .79 | 8.84 | .70 | 100.77 | .47 |
| 1982/83 | 11.14 | 3.70 | 3.45 | 1.30 | 8.98 | .75 | 113.12 | .58 |
| 1983/84 | 12.90 | 4.53 | 3.34 | 1.05 | 8.93 | .73 | 118.21 | 1.16 |
| 1984/85 | 13.14 | 3.99 | 3.32 | .96 | 8.91 | .45 | 124.78 | 1.01 |
| 1985/86 | 13.37 | 4.32 | 2.92 | 1.15 | 6.98 | .66 | 118.00 | .95 |
| 1986/87 | 12.43 | 4.36 | 3.49 | 1.20 | 7.13 | .58 | 120.56 | 1.02 |
| 1987/88 | 11.72 | 4.79 | 3.24 | .97 | 6.48 | .35 | 122.09 | .70 |
| 1988/89 ^{3/} | 13.53 | 5.50 | 3.10 | .90 | 7.32 | .40 | 119.70 | .30 |

^{1/} Production data are based on local 12-month marketing years. Exports are on calendar year of second year.

^{2/} Based on aggregate of differing local marketing year.

^{3/} Estimated.

Source: U.S. Dept. of Agr., Foreign Agricultural Service.

Appendix table 12--U.S. commercial and Government milled rice exports, 1957-88

| Fiscal year | Government programs 1/ | | | | | Total exports | Proportion Government |
|----------------|---------------------------------|---------|-----------|-----------|----------------|---------------|-----------------------|
| | Commercial | Title I | Title II | Aid | Total | | |
| | - - - - - Million cwt - - - - - | | | | | | <u>Percent</u> |
| 1957 | 5.8 | 18.0 | .7 | 2.8 | 21.5 | 27.3 | 78.8 |
| 1958 | 5.9 | 5.0 | <u>2/</u> | 1.1 | 6.1 | 12.0 | 50.8 |
| 1959 | 7.8 | 3.8 | 2.0 | .6 | 6.4 | 14.2 | 45.1 |
| 1960 | 7.6 | 9.9 | .8 | 2.2 | 12.9 | 20.5 | 62.9 |
| 1961 | 7.1 | 11.9 | .3 | 2.2 | 14.4 | 21.5 | 67.0 |
| 1962 | 11.2 | 8.2 | --- | 1.0 | 9.2 | 20.4 | 45.1 |
| 1963 | 10.4 | 13.5 | --- | .3 | 13.8 | 24.2 | 57.0 |
| 1964 | 15.6 | 14.9 | --- | .7 | 15.6 | 31.2 | 50.0 |
| 1965 | 16.0 | 12.5 | --- | --- | 12.5 | 28.5 | 43.8 |
| 1966 | 20.4 | 7.9 | --- | 2.0 | 9.9 | 30.3 | 32.7 |
| 1967 | 21.0 | 18.3 | --- | --- | 18.3 | 39.3 | 46.6 |
| 1968 | 24.4 | 16.2 | --- | .5 | 16.7 | 41.1 | 40.6 |
| 1969 | 16.5 | 21.7 | .2 | .1 | 22.0 | 38.5 | 57.1 |
| 1970 | 18.7 | 20.7 | .1 | .1 | 20.9 | 39.6 | 52.8 |
| 1971 | 13.3 | 20.3 | --- | 3.4 | 23.7 | 37.0 | 64.0 |
| 1972 | 11.0 | 17.9 | 5.5 | 3.1 | 26.5 | 37.5 | 70.7 |
| 1973 | 18.1 | 21.3 | .7 | 2.7 | 24.7 | 42.8 | 57.7 |
| 1974 | 21.4 | 13.4 | --- | .1 | 13.5 | 34.9 | 38.7 |
| 1975 | 32.3 | 16.3 | .1 | <u>2/</u> | 16.5 | 48.9 | 33.7 |
| 1976 <u>3/</u> | 31.8 | 11.2 | --- | .1 | 11.2 | 43.1 | 26.1 |
| 1977 | 35.9 | 14.6 | .6 | <u>2/</u> | 15.2 | 51.1 | 29.8 |
| 1978 | 38.5 | 10.3 | 1.4 | --- | 11.7 | 50.2 | 23.3 |
| 1979 | 42.1 | 9.2 | 1.5 | --- | 10.7 | 52.8 | 20.3 |
| 1980 | 53.2 | 8.9 | 3.0 | --- | 11.9 | 65.1 | 18.3 |
| 1981 | 62.0 | 5.4 | 2.5 | --- | 7.9 | 69.9 | 11.3 |
| 1982 | 55.9 | 6.6 | 1.6 | --- | 8.2 | 64.2 | 12.8 |
| 1983 | 39.7 | 8.8 | 1.7 | --- | 10.5 | 50.2 | 20.9 |
| 1984 | 39.2 | 6.4 | 3.8 | --- | 10.2 | 50.6 | 20.2 |
| 1985 | 26.8 | 9.6 | 3.1 | --- | 12.7 | 43.5 | 29.3 |
| 1986 | 45.1 | 8.4 | 1.3 | --- | 9.7 | 52.5 | 18.5 |
| 1987 | 42.8 | 6.3 | 3.1 | --- | 10.7 <u>4/</u> | 54.1 | 19.8 |
| 1988 <u>5/</u> | 36.7 | N/A | N/A | --- | 8.6 <u>4/</u> | 47.9 | 17.9 |

--- = Not applicable. N/A = Not available.

1/ Title I includes concessional sales for long-term credit repayable in dollars, or in convertible currencies. Title II are donations by U.S. Government and voluntary relief agencies. 2/ Less than 50,000 cwt.
 3/ Includes transitional quarter, July-September 1976; fiscal year changed from July-June to October-September. 4/ Includes 59,595 metric tons of rice shipped under Section 416 in 1987 and 22,000 metric tons shipped in 1988.
 5/ Preliminary.

Source: U.S. Dept. Agr., Agricultural Stabilization and Conservation Service.

Appendix table 13--Rice conversion factors and regional categories

Weight conversions:

1 bushel = 45 pounds
1 metric ton = 2,204.622 pounds
1 cwt = 100 pounds

To convert from cwt to bushels, divide by 0.45
(1 cwt/0.45 = 2.22 bushels).

To convert from cwt to metric tons, multiply by 0.0454
(500 cwt x 0.0454 = 22.7 metric tons)

To convert from bushels to metric tons, multiply by 0.0204
(100 bushels x 0.0204 = 2.04 metric tons)

Milling factor and converting to rough-equivalent:

Although the milling factor varies slightly from year to year, milled rice (including brown rice) is generally equivalent to 72 percent of the rough rice weight. Thus, to convert the farm product to regular milled rice, multiply by 0.72. To convert brown rice to a milled-equivalent, multiply by 0.88.

100 pounds milled rice / 0.72 = 139 pounds rough-equivalent
100 pounds brown rice x 0.88 = 88 pounds milled-rice equivalent

Regional breakdowns:

| <u>East Asia</u> | <u>South Asia</u> | <u>Southeast Asia</u> |
|------------------|-------------------|-----------------------|
| China | Afghanistan | Burma |
| Hong Kong | Bangladesh | Indonesia |
| Japan | India | Kampuchea (Cambodia) |
| North Korea | Nepal | Laos |
| South Korea | Pakistan | Malaysia |
| Taiwan | Sri Lanka | Philippines |
| | Singapore | |
| | Thailand | |
| | Vietnam | |

Appendix table 14--Provisions of rice programs, 1961-90

| Provision | 1961 | 1962 | 1963 | 1964 |
|---|-----------------|---------------|---------------|---------------|
| Parity price (\$/cwt) 1/ | 6.00 | 6.22 | 6.46 | 6.33 |
| Target price (\$/cwt) | -- | -- | -- | -- |
| Deficiency payment: 2/ | | | | |
| Advance payment (\$/cwt) | -- | -- | -- | -- |
| Final payment (\$/cwt) | -- | -- | -- | -- |
| Allocation factor (%) 3/ | -- | -- | -- | -- |
| Nonrecourse loan rate: | | | | |
| Basic rate (\$/cwt) 4/ | 4.71 | 4.71 | 4.71 | 4.71 |
| Repayment level (\$/cwt) 5/ | -- | -- | -- | -- |
| CCC domestic sales price: 6/ | | | | |
| Legislated minimum (\$/cwt) 7/ | 8/ Market price | Not announced | Not announced | Not announced |
| Actual (\$/cwt) 9/ | -- | -- | -- | -- |
| Acreage diversion optional (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Set-aside (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Acreage reduction (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Acreage reduction voluntary (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| PIK acreage diversion (%) | -- | -- | -- | -- |
| Payment rate (cwt) | -- | -- | -- | -- |
| Payment (cwt) | -- | -- | -- | -- |
| Compliance restrictions: | | | | |
| Cross compliance 10/ | -- | -- | -- | -- |
| Offsetting compliance 11/ | -- | -- | -- | -- |
| Normal crop acreage 12/ | -- | -- | -- | -- |
| National marketing quota (mil cwt) 13/ | Yes | Yes | Yes | Yes |
| Marketing quota penalty (\$/cwt) | 65% of parity | 65% of parity | 65% of parity | 65% of parity |
| National allotment acres (1,000) | 1,653 | 1,818 | 1,818 | 1,818 |
| National program acres (1,000) | -- | -- | -- | -- |
| National base acres (1,000) | -- | -- | -- | -- |
| Base acres in CRP (1,000) | -- | -- | -- | -- |
| National program yield (lbs/acre) | -- | -- | -- | -- |
| Disaster program: 14/ | | | | |
| Prevented plantings payment (\$/cwt) | -- | -- | -- | -- |
| Low yield criterion (%) | -- | -- | -- | -- |
| Low yield payment (\$/cwt) | -- | -- | -- | -- |
| Payment limitation (\$) | -- | -- | -- | -- |
| Advanced payment (%) | -- | -- | -- | -- |
| Support payment limitation (\$) | -- | -- | -- | -- |

See footnotes at end of table.

Continued--

Appendix table 14--Provisions of rice programs, 1961-90--Continued

| Provision | 1965 | 1966 | 1967 | 1968 |
|---|---------------|---------------|---------------|---------------|
| Parity price (\$/cwt) 1/ | 6.62 | 6.85 | 6.87 | 6.92 |
| Target price (\$/cwt) | -- | -- | -- | -- |
| Deficiency payment: 2/ | | | | |
| Advance payment (\$/cwt) | -- | -- | -- | -- |
| Final payment (\$/cwt) | -- | -- | -- | -- |
| Allocation factor (%) 3/ | -- | -- | -- | -- |
| Nonrecourse loan rate: | | | | |
| Basic rate (\$/cwt) 4/ | 4.50 | 4.50 | 4.55 | 4.60 |
| Repayment level (\$/cwt) 5/ | -- | -- | -- | -- |
| CCC domestic sales price: 6/ | | | | |
| Legislated minimum (\$/cwt) 7/ | Not announced | Not announced | Not announced | Not announced |
| Actual (\$/cwt) 9/ | -- | -- | -- | -- |
| Acreage diversion optional (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Set-aside (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Acreage reduction (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Acreage reduction voluntary (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| PIK acreage diversion (%) | -- | -- | -- | -- |
| Payment rate (cwt) | -- | -- | -- | -- |
| Payment (cwt) | -- | -- | -- | -- |
| Compliance restrictions: | | | | |
| Cross compliance 10/ | -- | -- | -- | -- |
| Offsetting compliance 11/ | -- | -- | -- | -- |
| Normal crop acreage 12/ | -- | -- | -- | -- |
| National marketing quota (mil cwt) 13/ | Yes | Yes | Yes | Yes |
| Marketing quota penalty (\$/cwt) | 65% of parity | 65% of parity | 65% of parity | 65% of parity |
| National allotment acres (1,000) | 1,819 | 2,000 | 2,000 | 2,401 |
| National program acres (1,000) | -- | -- | -- | -- |
| National base acres (1,000) | -- | -- | -- | -- |
| Base acres in CRP (1,000) | -- | -- | -- | -- |
| National program yield (lbs/acre) | -- | -- | -- | -- |
| Disaster program: 14/ | | | | |
| Prevented plantings payment (\$/cwt) | -- | -- | -- | -- |
| Low yield criterion (%) | -- | -- | -- | -- |
| Low yield payment (\$/cwt) | -- | -- | -- | -- |
| Payment limitation (\$) | -- | -- | -- | -- |
| Advanced payment (%) | -- | -- | -- | -- |
| Support payment limitation (\$) | -- | -- | -- | -- |

See footnotes at end of table.

Continued--

Appendix table 14--Provisions of rice programs, 1961-90--Continued

| Provision | 1969 | 1970 | 1971 | 1972 |
|---|---------------|---------------|---------------|---------------|
| Parity price (\$/cwt) 1/ | 7.26 | 7.47 | 7.79 | 8.10 |
| Target price (\$/cwt) | -- | -- | -- | -- |
| Deficiency payment: 2/ | | | | |
| Advance payment (\$/cwt) | -- | -- | -- | -- |
| Final payment (\$/cwt) | -- | -- | -- | -- |
| Allocation factor (%) 3/ | -- | -- | -- | -- |
| Nonrecourse loan rate: | | | | |
| Basic rate (\$/cwt) 4/ | 4.72 | 4.86 | 5.07 | 5.27 |
| Repayment level (\$/cwt) 5/ | -- | -- | -- | -- |
| CCC domestic sales price: 6/ | | | | |
| Legislated minimum (\$/cwt) 7/ | Not announced | Not announced | 5.83 | 6.06 |
| Actual (\$/cwt) 9/ | -- | -- | -- | -- |
| Acreage diversion optional (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Set-aside (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Acreage reduction (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Acreage reduction voluntary (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| PIK acreage diversion (%) | -- | -- | -- | -- |
| Payment rate (cwt) | -- | -- | -- | -- |
| Payment (cwt) | -- | -- | -- | -- |
| Compliance restrictions: | | | | |
| Cross compliance 10/ | -- | -- | -- | -- |
| Offsetting compliance 11/ | -- | -- | -- | -- |
| Normal crop acreage 12/ | -- | -- | -- | -- |
| National marketing quota (mil cwt) 13/ | Yes | Yes | Yes | Yes |
| Marketing quota penalty (\$/cwt) | 65% of parity | 65% of parity | 65% of parity | 65% of parity |
| National allotment acres (1,000) | 2,160 | 1,837 | 1,837 | 1,837 |
| National program acres (1,000) | -- | -- | -- | -- |
| National base acres (1,000) | -- | -- | -- | -- |
| Base acres in CRP (1,000) | -- | -- | -- | -- |
| National program yield (lbs/acre) | -- | -- | -- | -- |
| Disaster program: 14/ | | | | |
| Prevented plantings payment (\$/cwt) | -- | -- | -- | -- |
| Low yield criterion (%) | -- | -- | -- | -- |
| Low yield payment (\$/cwt) | -- | -- | -- | -- |
| Payment limitation (\$) | -- | -- | -- | -- |
| Advanced payment (%) | -- | -- | -- | -- |
| Support payment limitation (\$) | -- | -- | -- | -- |

See footnotes at end of table.

Continued--

Appendix table 14--Provisions of rice programs, 1961-90--Continued

| Provision | 1973 | 1974 | 1975 | 1976 |
|--|---------------|--------|-----------|------------------------|
| Parity price (\$/cwt) 1/ | 9.33 | 11.60 | 13.10 | 13.60 |
| Target price (\$/cwt) | -- | -- | -- | 8.25 |
| Deficiency payment: 2/ | | | | |
| Advance payment (\$/cwt) | -- | -- | -- | -- |
| Final payment (\$/cwt) | -- | -- | -- | 1.70 |
| Allocation factor (%) 3/ | -- | -- | -- | -- |
| Nonrecourse loan rate: | | | | |
| Basic rate (\$/cwt) 4/ | 6.07 | 7.54 | 8.52 | 6.19 |
| Repayment level (\$/cwt) 5/ | -- | -- | -- | -- |
| CCC domestic sales price: 6/ | | | | |
| Legislated minimum (\$/cwt) 7/ | 6.98 | 8.67 | 9.80 | 9.49 |
| Actual (\$/cwt) 9/ | -- | -- | -- | -- |
| Acreage diversion optional (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Set-aside (%) | -- | -- | -- | None |
| Payment rate (\$/cwt) | -- | -- | -- | Def |
| Payment (\$) | -- | -- | -- | 1.70*Yld*Alt |
| Acreage reduction (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Acreage reduction voluntary (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| PIK acreage diversion (%) | -- | -- | -- | -- |
| Payment rate (cwt) | -- | -- | -- | -- |
| Payment (cwt) | -- | -- | -- | -- |
| Compliance restrictions: | | | | |
| Cross compliance 10/ | -- | -- | -- | Yes |
| Offsetting compliance 11/ | -- | Yes | -- | -- |
| Normal crop acreage 12/ | -- | -- | -- | -- |
| National marketing quota (mil cwt) 13/ | Yes | 15/ NA | Suspended | Suspended |
| Marketing quota penalty (\$/cwt) | 65% of parity | NA | Suspended | Suspended |
| National allotment acres (1,000) | 2,222 | 2,100 | 16/ 1,803 | 17/ 16/ 1,800 |
| National program acres (1,000) | -- | -- | -- | -- |
| National base acres (1,000) | -- | -- | -- | -- |
| Base acres in CRP (1,000) | -- | -- | -- | -- |
| National program yield (lbs/acre) | -- | -- | -- | 4,489 |
| Disaster program: 14/ | | | | |
| Prevented plantings payment (\$/cwt) | -- | -- | -- | 2.75 |
| Low yield criterion (%) | -- | -- | -- | 66.7 % of normal |
| Low yield payment (\$/cwt) | -- | -- | -- | 2.75 on the short fall |
| Payment limitation (\$) | -- | -- | -- | -- |
| Advanced payment (%) | -- | -- | -- | -- |
| Support payment limitation (\$) | -- | -- | -- | 19/ 55,000 |

See footnotes at end of table.

Continued--

Appendix table 14--Provisions of rice programs, 1961-90--Continued

| Provision | 1977 | 1978 | 1979 | 1980 |
|---|---------------------------|---------------------------|---------------------------|---------------------------|
| Parity price (\$/cwt) 1/ | 14.00 | 15.40 | 17.10 | 19.00 |
| Target price (\$/cwt) | 8.25 | 8.53 | 9.05 | 9.49 |
| Deficiency payment: 2/ | | | | |
| Advance payment (\$/cwt) | -- | -- | -- | -- |
| Final payment (\$/cwt) | 0.00 | 0.78 | 0.00 | 0.00 |
| Allocation factor (%) 3/ | -- | -- | -- | -- |
| Nonrecourse loan rate: | | | | |
| Basic rate (\$/cwt) 4/ | 6.19 | 6.40 | 6.79 | 7.12 |
| Repayment level (\$/cwt) 5/ | -- | -- | -- | -- |
| CCC domestic sales price: 6/ | | | | |
| Legislated minimum (\$/cwt) 7/ | 9.49 | 9.81 | 10.41 | 10.91 |
| Actual (\$/cwt) 9/ | -- | -- | -- | -- |
| Acreage diversion optional (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Set-aside (%) | None | None | None | None |
| Payment rate (\$/cwt) | Def | Def | Def | Def |
| Payment (\$) | 0.00*Yld*Alt | 0.78*Yld*Alt | 0.00*Yld*Alt | 0.00*Yld*Alt |
| Acreage reduction (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Acreage reduction voluntary (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| PIK acreage diversion (%) | -- | -- | -- | -- |
| Payment rate (cwt) | -- | -- | -- | -- |
| Payment (cwt) | -- | -- | -- | -- |
| Compliance restrictions: | | | | |
| Cross compliance 10/ | Yes | Yes | Yes | Yes |
| Offsetting compliance 11/ | -- | -- | -- | -- |
| Normal crop acreage 12/ | -- | Yes | Yes | Yes |
| National marketing quota (mil cwt) 13/ | Suspended | Suspended | Suspended | Suspended |
| Marketing quota penalty (\$/cwt) | Suspended | Suspended | Suspended | Suspended |
| National allotment acres (1,000) | 17/ 16/ 1,800 | 16/ 1,800 | 16/ 1,800 | 16/ 1,800 |
| National program acres (1,000) | -- | -- | -- | -- |
| National base acres (1,000) | -- | -- | -- | -- |
| Base acres in CRP (1,000) | -- | -- | -- | -- |
| National program yield (lbs/acre) | 4,533 | 4,589 | 4,591 | 4,586 |
| Disaster program: 14/ | | | | |
| Prevented plantings payment (\$/cwt) | 2.75 | 0.284 | 0.302 | 0.316 |
| Low yield criterion (%) | 66.7 % of normal | 75 % of normal | 75 % of normal | 75 % of normal |
| Low yield payment (\$/cwt) | 2.75 on the short fall | 2.84 on the short fall | 3.02 on the short fall | 3.16 on the short fall |
| Payment limitation (\$) | -- | -- | -- | 18/ 100,000 |
| Advanced payment (%) | -- | -- | -- | -- |
| Support payment limitation (\$) | 19/ 55,000 | 20/ 52,500 | 20/ 50,000 | 21/ 50,000 |

See footnotes at end of table.

Continued--

Appendix table 14--Provisions of rice programs, 1961-90--Continued

| Provision | 1981 | 1982 | 1983 | 1984 |
|--|----------------|------------------------------|------------------------------|------------------------------|
| Parity price (\$/cwt) 1/ | 20.80 | 21.10 | 21.00 | 20.50 |
| Target price (\$/cwt) | 10.68 | 10.85 | 11.40 | 11.90 |
| Deficiency payment: 2/ | | | | |
| Advance payment (\$/cwt) | -- | 1.90 | 1.63 | -- |
| Final payment (\$/cwt) | 0.28 | 2.71 | 2.77 | 3.76 |
| Allocation factor (%) 3/ | -- | 22/ NA | 22/ NA | 22/ NA |
| Nonrecourse loan rate: | | | | |
| Basic rate (\$/cwt) 4/ | 8.01 | 8.14 | 8.14 | 8.00 |
| Repayment level (\$/cwt) 5/ | -- | -- | -- | -- |
| CCC domestic sales price: 6/ | | | | |
| Legislated minimum (\$/cwt) 7/ | 12.28 | 12.48 | 13.11 | 13.68 |
| Actual (\$/cwt) 9/ | No sales | No sales | -- | -- |
| Acreage diversion optional (%) | -- | -- | 5 | -- |
| Payment rate (\$/cwt) | -- | -- | 2.70 | -- |
| Payment (\$) | -- | -- | 2.70*Yld*Div | -- |
| Set-aside (%) | None | -- | -- | -- |
| Payment rate (\$/cwt) | Def | -- | -- | -- |
| Payment (\$) | 0.28*Yld*Alt | -- | -- | -- |
| Acreage reduction (%) | -- | 15 | 15 | 25 |
| Payment rate (\$/cwt) | -- | Def | Def | Def |
| Payment (\$) | -- | 2.71*Yld*Plt | 2.77*Yld*Plt | 3.76*Yld*Plt |
| Acreage reduction voluntary (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| PIK acreage diversion (%) | -- | -- | 10-30 | -- |
| Payment rate (cwt) | -- | -- | .80*Yld | -- |
| Payment (cwt) | -- | -- | .80*Yld*PIK | -- |
| Compliance restrictions: | | | | |
| Cross compliance 10/ | No | No | No | No |
| Offsetting compliance 11/ | Yes | No | No | No |
| Normal crop acreage 12/ | Yes | 22/ NA | 22/ NA | 22/ NA |
| National marketing quota (mil cwt) 13/ | Suspended | -- | -- | -- |
| Marketing quota penalty (\$/cwt) | Suspended | -- | -- | -- |
| National allotment acres (1,000) | 16/ 1,800 | -- | -- | -- |
| National program acres (1,000) | -- | 22/ NA | 22/ NA | 22/ NA |
| National base acres (1,000) | -- | 3,969 | 3,946 | 4,160 |
| Base acres in CRP (1,000) | -- | -- | -- | -- |
| National program yield (lbs/acre) | 4,589 | 4,824 | 4,889 | 5,001 |
| Disaster program: 14/ | | | | |
| Prevented plantings payment (\$/cwt) | 23/ 0.356 | 24/ 3.62 on 75% normal yield | 24/ 3.76 on 75% normal yield | 24/ 3.97 on 75% normal yield |
| Low yield criterion (%) | 75 % of normal | 75 % of normal | 75 % of normal | 75 % of normal |
| Low yield payment (\$/cwt) | 23/ 0.356 | 24/ 3.62 on the short fall | 24/ 3.76 on the short fall | 24/ 3.97 on the short fall |
| Payment limitation (\$) | 18/ 100,000 | 18/ 100,000 | 18/ 100,000 | 18/ 100,000 |
| Advanced payment (%) | -- | No | 25/ 50/50 | No |
| Support payment limitation (\$) | 21/ 50,000 | 21/ 50,000 | 26/ 50,000 | 27/ 50,000 |

See footnotes at end of table.

Continued--

Appendix table 14--Provisions of rice programs, 1961-90--Continued

| Provision | 1985 | 1986 29/ | 1987 | 1988 |
|--|------------------------------|-----------------|-----------------|-----------------|
| Parity price (\$/cwt) 1/ | 19.60 | 19.30 | 19.20 | 20.00 |
| Target price (\$/cwt) | 11.90 | 11.90 | 11.66 | 11.15 |
| Deficiency payment: 2/ | | | | |
| Advance payment (\$/cwt) | 1.90 | 1.41 | 1.446 | 1.65 |
| Final payment (\$/cwt) | 3.90 | 4.70 | 4.82 | 1.65 |
| Allocation factor (%) 3/ | 22/ NA | 22/ NA | 22/ NA | 22/ NA |
| Nonrecourse loan rate: | | | | |
| Basic rate (\$/cwt) 4/ | 8.00 | 7.20 | 6.84 | 6.63 |
| Repayment level (\$/cwt) 5/ | -- | 30/ World price | 30/ World price | 30/ World price |
| CCC domestic sales price: 6/ | | | | |
| Legislated minimum (\$/cwt) 7/ | 13.68 | 13.68 | 13.41 | 12.82 |
| Actual (\$/cwt) 9/ | -- | -- | -- | -- |
| Acreage diversion optional (%) | 15 | -- | -- | -- |
| Payment rate (\$/cwt) | 3.50 | -- | -- | -- |
| Payment (\$) | 3.50*Yld*Div | -- | -- | -- |
| Set-aside (%) | -- | -- | -- | -- |
| Payment rate (\$/cwt) | -- | -- | -- | -- |
| Payment (\$) | -- | -- | -- | -- |
| Acreage reduction (%) | 20 | 35 | 35 | 25 |
| Payment rate (\$/cwt) | Def | Def | Def | Def |
| Payment (\$) | 3.90*Yld*Plt | 4.70*Yld*Plt | 4.82*Yld*Plt | 1.65*Yld*Plt |
| Acreage reduction voluntary (%) | -- | 31/ 50-92 | 31/ 50-92 | 31/ 50-92 |
| Payment rate (\$/cwt) | -- | Def | Def | Def |
| Payment (\$) | -- | 4.324*Yld*Bas | 4.434*Yld*Bas | 1.518*Yld*Bas |
| PIK acreage diversion (%) | -- | -- | -- | -- |
| Payment rate (cwt) | -- | -- | -- | -- |
| Payment (cwt) | -- | -- | -- | -- |
| Compliance restrictions: | | | | |
| Cross compliance 10/ | No | -- | 32/ Limited | 32/ Limited |
| Offsetting compliance 11/ | No | -- | -- | -- |
| Normal crop acreage 12/ | 22/ NA | 22/ NA | 22/ NA | 22/ NA |
| National marketing quota (mil cwt) 13/ | -- | -- | -- | -- |
| Marketing quota penalty (\$/cwt) | -- | -- | -- | -- |
| National allotment acres (1,000) | -- | -- | -- | -- |
| National program acres (1,000) | 22/ NA | 22/ NA | 22/ NA | 22/ NA |
| National base acres (1,000) | 4,234 | 4,199 | 4,183 | 4,155 |
| Base acres in CRP (1,000) | -- | 1 | 3 | 5 |
| National program yield (lbs/acre) | 5,036 | 4,713 | 4,683 | 4,700 |
| Disaster program: 14/ | | | | |
| Prevented plantings payment (\$/cwt) | 24/ 3.97 on 75% normal yield | 24/ | 24/ | 24/ |
| Low yield criterion (%) | 75 % of normal | -- | -- | -- |
| Low yield payment (\$/cwt) | 24/ 3.97 on the short fall | 24/ | 24/ | 24/ |
| Payment limitation (\$) | 18/ 100,000 | 18/ 100,000 | 33/ Yes | 33/ Yes |
| Advanced payment (%) | 25/ 50/50 | 34/ 30/10 | 35/ 30 | 36/ 40 |
| Support payment limitation (\$) | 28/ 50,000 | 38/ 50,000 | 39/ 50,000 | 39/ 50,000 |

See footnotes at end of table.

Continued--

Appendix table 14--Provisions of rice programs, 1961-90--Continued

| Provision | 1989 | 1990 |
|--|-----------------|-----------------|
| Parity price (\$/cwt) 1/ | -- | -- |
| Target price (\$/cwt) | 10.80 | -- |
| Deficiency payment: 2/ | | |
| Advance payment (\$/cwt) | 1.29 | -- |
| Final payment (\$/cwt) | 1.29 | -- |
| Allocation factor (%) 3/ | 22/ NA | 22/ NA |
| Nonrecourse loan rate: | | |
| Basic rate (\$/cwt) 4/ | 6.50 | -- |
| Repayment level (\$/cwt) 5/ | 30/ World price | 30/ World price |
| CCC domestic sales price: 6/ | | |
| Legislated minimum (\$/cwt) 7/ | -- | -- |
| Actual (\$/cwt) 9/ | -- | -- |
| Acreage diversion optional (%) | -- | -- |
| Payment rate (\$/cwt) | -- | -- |
| Payment (\$) | -- | -- |
| Set-aside (%) | -- | -- |
| Payment rate (\$/cwt) | -- | -- |
| Payment (\$) | -- | -- |
| Acreage reduction (%) | 25 | -- |
| Payment rate (\$/cwt) | Def | -- |
| Payment (\$) | 1.29*Yld*Plt | -- |
| Acreage reduction voluntary (%) | 31/ 50-92 | -- |
| Payment rate (\$/cwt) | Def | -- |
| Payment (\$) | 1.187*Yld*Bas | -- |
| PIK acreage diversion (%) | -- | -- |
| Payment rate (cwt) | -- | -- |
| Payment (cwt) | -- | -- |
| Compliance restrictions: | | |
| Cross compliance 10/ | 32/ Limited | 32/ Limited |
| Offsetting compliance 11/ | -- | -- |
| Normal crop acreage 12/ | 22/ NA | 22/ NA |
| National marketing quota (mil cwt) 13/ | -- | -- |
| Marketing quota penalty (\$/cwt) | -- | -- |
| National allotment acres (1,000) | -- | -- |
| National program acres (1,000) | 22/ NA | 22/ NA |
| National base acres (1,000) | 4,116 | -- |
| Base acres in CRP (1,000) | 7 | -- |
| National program yield (lbs/acre) | -- | -- |
| Disaster program: 14/ | | |
| Prevented plantings payment (\$/cwt) | 24/ | 24/ |
| Low yield criterion (%) | -- | -- |
| Low yield payment (\$/cwt) | 24/ | 24/ |
| Payment limitation (\$) | 33/ Yes | 33/ Yes |
| Advanced payment (%) | 37/ 40 | 40 |
| Support payment limitation (\$) | 39/ 50,000 | 39/ 50,000 |

Footnotes for Appendix table 14--Provisions of rice programs, 1961-90

- 1/ Average parity price of rice for July.
- 2/ Deficiency payment is the difference between the target price and the higher of the 5-month national weighted average market price received by farmers or the loan rate. Up to 5 percent of the payment could be made as payment-in-kind. Starting in 1986, a supplementary (loan) deficiency payment was authorized as the difference between the basic loan rate and the higher of the repayment rate or the national weighted average market price received by farmers for the entire marketing year. At least half the payment must have been made in marketing certificates.
- 3/ The allocation factor, ranging from 80 to 100, is determined by dividing national program acres by number of acres harvested.
- 4/ Prior to 1985 legislation, this is the national average loan rate. Under the 1985 Act, this is the basic loan rate as determined by the legislated formula.
- 5/ Under 1985 legislation, producers may repay their loans at the prevailing world market price, as determined by the Secretary, or 50 percent of the loan rate for 1986-87 crops, 60 percent of the loan rate for 1988 crop, and 70 percent of the loan rate for 1989-90 crops, which ever is higher.
- 6/ Sales made at fixed prices or through competitive bids.
- 7/ In any event, the CCC can not sell stock holdings for less than the going market price.
- 8/ But not less than the loan rate by variety and grade plus 5 percent, plus 11 cents basis in store for milled rice or 13 cents basis in store for rough rice.
- 9/ Simple average of actual sales.
- 10/ Producers must be compliance with programs for all program crops planted to the farm.
- 11/ Producers must be in compliance with rice program requirements on other farms they own or have an interest in.
- 12/ The total acres of crops in the normal crop acreage (NCA) -- barley, corn, dry edible beans, flax, oats, rice, rye, sorghum, soybeans, sugarbeets, sugar cane, sunflowers, upland cotton, and wheat -- planted on a farm plus acres set-aside cannot exceed a farm's NCA.
- 13/ Growers who exceed their farm allotments are subject to marketing quota penalties if quotas are in effect. The penalty is paid on the excess production, also none of their production would be eligible for price support.
- 14/ Bad weather or unavoidable hazard.
- 15/ Marketing quotas are not applicable if the normal supply for the previous year was equal to or exceeded the total supply. This was the first year since 1954 that marketing quotas have not been in effect. However, growers still must have planted within their established allotment to be eligible for price support.
- 16/ Do not have to plant rice to qualify for program benefits. Failure to plant at least 90 percent of farm allotment to an authorized crop may result in as much as a 20 percent reduction in the allotment for the following year. If no rice is planted for 2 consecutive years, the entire allotment is lost.
- 17/ Producers may substitute any nonconserving crop (except marketing quota crops) or any conserving crop (including approved volunteer cover) used for haying or grazing in order to preserve their rice allotment. Producers who plant any portion of their allotment to a substitute crop are still eligible for any target price payments made based on 100 percent of their allotment.
- 18/ Limit to disaster payments per person for all programs.
- 19/ Total payments a person can receive during a crop year under the rice program. The limitation does not include loans or purchases or any part of the payment which is determined by the Secretary to represent compensation for resource adjustment or public access for recreation.
- 20/ The total amount of payments a person can receive during a crop year under the rice program. This limitation does not apply to loans, purchases, or disaster payments.
- 21/ The total amount of payments a person can receive under a combination of the rice, feed grain, wheat, and upland cotton programs. This limitation does not apply to loans or purchases, or to payments for either prevented planting or low yield disaster loss.
- 22/ Normal crop acres, national program acres, allocation factors, and voluntary reduction programs are not applicable when acreage reduction programs are in effect.
- 23/ A producer on a farm who elects to obtain federally subsidized crop insurance on rice waives disaster payments on that crop.
- 24/ Available only to whom Federal crop insurance is not available.
- 25/ At signup, participate may request 50 percent of their projected deficiency payments and 50 percent of their diversion payments.
- 26/ Total amount of payments a person can receive under a combination of rice, wheat, feed grain, and upland cotton programs. The limitation does not apply to loans, purchases, or PIK.
- 27/ Total amount of payments, including PIK, a person can receive under a combination of rice, wheat, feed grain, upland cotton, and extra-long staple cotton programs. The limitation does not apply to loans, purchases.
- 28/ Total amount of payments a person can receive under a combination of rice, wheat, feed grain, upland cotton, and extra-long staple cotton programs. The limitation does not apply to loans, purchases.
- 29/ All cash payments subject to reductions of 4.3 percent, Gramm-Rudman-Hollings Act.
- 30/ Repayment level cannot be less than 50 percent of the loan level.

31/ Under the 50-92 rule, growers that plant between 50 and 92 percent of the permitted acreage to rice and devote the remaining permitted acres to a conserving use, are eligible to receive deficiency payments on 92 percent of the permitted acreage.

32/ To be eligible for benefits for a participating wheat, feed grain, upland cotton, or rice crop, the acreage planted for harvest (or approved as prevented plantings) on a farm in other nonparticipating program crops, excluding extra-long staple cotton and oats, may not exceed the crop acreage bases of these crops. Oats and extra-long staple cotton are not subject to limited cross compliance requirements.

33/ The total of the following payments, combined with the total deficiency and diversion payments, is limited to \$250,000 per person: (1) disaster payments; (2) any gain realized by repayment of a loan at a lower level than the original loan level; any deficiency payment for wheat or feed grains attributed to a reduction in the statutory loan rate; (4) any loan deficiency payment; (5) any inventory reduction payment; and (6) any payment representing compensation for resource adjustment or public access for recreation. Excluded from the limitation are price support loans (except honey), upland cotton first handler certificates, and rice marketing certificate payments.

34/ Advanced deficiency payments based on 30 percent of the projected deficiency payments are available in cash to producers enrolled in the program. An additional 10 percent in advance payment is available in the form of generic certificates.

35/ Advanced payments based on 30 percent of the projected deficiency payment, 50 percent in cash and 50 percent in the form of generic certificates.

36/ At signup, participants may request 40 percent (50 percent in cash and 50 percent in generic certificates) of their projected 1988 deficiency payments.

37/ At signup, participants may request 40 percent of their projected 1989 deficiency payments.

38/ Total deficiency and diversion payments a person can receive under a combination of rice, wheat, feed grain, upland cotton, and extra-long staple cotton programs. The limitation does not apply to loans, purchases, loan deficiency payments, first handler certificates, inventory protection certificates, or deficiency payments resulting from lowering the basic (statutory) loan rate.

39/ Total deficiency and diversion payments a person can receive under the rice, wheat, feed grain, upland cotton, and extra-long staple cotton programs.

Source: Green, Robert C. A Database for Support Programs of Program Crops, 1961-90. Staff Report (forthcoming). U.S. Dept. Agr., Econ. Res. Serv.