Appendix

■ Conversion Chart

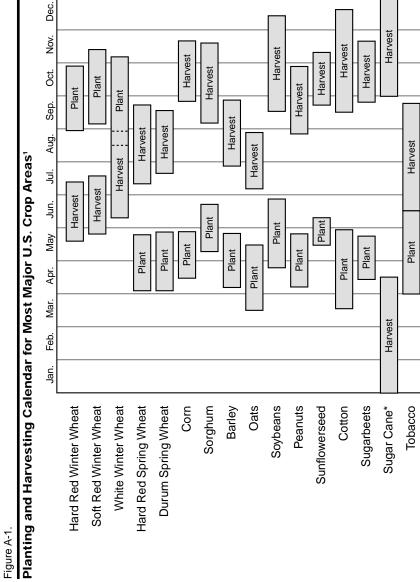
Metric Conversions

| To convert this | to this | multiply by | |
|--------------------|----------------|-------------|--|
| Length | | | |
| inches mi | llimeters (mm) | 25.4 | |
| feetce | ntimeters (cm) | 39 | |
| yards | ` , | .91 | |
| milesk | ilometers (km) | 1.61 | |
| millimeters | inches | .04 | |
| centimeters | inches | .4 | |
| meters | | 39.37 | |
| meters | · | 1.1 | |
| kilometers | miles | .6 | |
| Weight | | | |
| ounces | grams(g) | 28 | |
| pounds | kilograms (kg) | .45 | |
| short tons | metric tons | .9 | |
| kilograms | pounds | 2.2 | |
| metric tons | pounds | 2,204.6 | |
| metric tons | short tons | 1.1 | |
| Area | | | |
| square inches squa | re centimeters | 6.5 | |
| square feet | square meters | .09 | |
| square milessqu | are kilometers | 2.6 | |
| acres | hectares | .4 | |
| square centimeters | square inches | .16 | |
| square meters | . square yards | 1.2 | |
| square kilometers | . square miles | .4 | |
| hectares | acres | 2.5 | |
| Volume | | | |
| teaspoons | milliliters | 5 | |
| tablespoons | milliliters | 15 | |
| fluid ounces | milliliters | 30 | |
| cups | | .24 | |
| pints | | .47 | |
| quarts | | .95 | |
| gallons | | 3.8 | |
| cubic feet | | .03 | |
| cubic yards | . cubic meters | .76 | |

| To convert this to this | multiply by |
|---|--|
| milliliters fluid ounces | .03 |
| literspints | 2.1 |
| liters quarts | 1.06 |
| litersgallons | .26 |
| cubic meters cubic feet | 35 |
| cubic meterscubic yards | 1.3 |
| TemperatureCelsiusFahrenheitFahrenheitCelsiusFahrenheit | .56 (after subtracting 31) 1.82 (then add 32) |
| Farm products | |
| pounds per acre kilograms per hectare | 1.14 |
| short tons per acre kilograms per hectare | 2.25 |
| kilograms per hectare metric tons per hectare | .001 |
| kilograms per hectare pounds per acre | .88 |
| tons per hectareshort tons per acre | .44 |
| tons per hectare kilograms per hectare | 1,000 |

Bushel/Weight Conversions

| G | weight in | weight in |
|------------------------------------|-----------|------------|
| 1 bushel of: | pounds | kilograms |
| wheat, soybeans, potatoes | 60 | 27 |
| corn, grain sorghum, rye, flaxseed | 56 | 25 |
| beets, carrots | 50 | 23 |
| barley, buckwheat, peaches | 48 | 22 |
| oats, cottonseed | 32 | 14 |
| | weight in | number |
| 1 metric ton of: | pounds | of bushels |
| wheat, soybeans, potatoes | 2,204.6 | 36.74 |
| corn, grain sorghum, rye, flaxseed | 2,204.6 | 39.37 |
| beets, carrots | 2,204.6 | 44.09 |
| barley, buckwheat, peaches | 2,204.6 | 45.93 |
| oats, cottonseed | 2,204.6 | 68.89 |



Represents areas where production is concentrated, but not full spectrum of planting and harvesting periods for each crop. *Planting coincides with harvesting.

Dec.

Nov.

Oct.

Jul. Aug.

Jun.

Mar. Apr. May

Jan. Feb.

| Prices received by farmers | (dol per bu) | 1.74 | 1.83 | 2.04 | 1.85 | 1.37 | 1.35 | 1.63 | 1.39 | 1.24 | 1.25 | 1.33 | 1.34 | 1.76 | 3.95 | 4.09 | 3.56 | 2.73 | 2.33 | 2.98 | 3.80 | 3.99 | 3.69 | 3.45 | -continued |
|----------------------------|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
| (nq | Total | 1,245 | 1,320 | 1,248 | 1,427 | 1,358 | 1,577 | 1,454 | 1,391 | 1,284 | 1,367 | 1,513 | 1,459 | 1,934 | 1,970 | 1,690 | 1,899 | 1,704 | 1,983 | 2,031 | 2,158 | 2,296 | 2,618 | 2,417 | ' |
| Disappearance (mil bu) | Exports ¹ | 654 | 716 | 649 | 846 | 723 | 852 | T71 | 765 | 544 | 603 | 741 | 610 | 1,135 | 1,217 | 1,018 | 1,173 | 950 | 1,124 | 1,194 | 1,375 | 1,514 | 1,771 | 1,509 | |
| Domestic | assamo | 591 | 604 | 299 | 581 | 635 | 725 | 683 | 929 | 740 | 764 | 772 | 849 | 799 | 753 | 672 | 726 | 754 | 829 | 837 | 783 | 783 | 847 | 806 | |
| | Tota/ | 2,747 | 2,741 | 2,518 | 2,421 | 2,279 | 2,238 | 1,967 | 2,021 | 2,188 | 2,350 | 2,336 | 2,442 | 2,531 | 2,311 | 2,125 | 2,584 | 2,817 | 3,161 | 2,955 | 3,060 | 3,285 | 3,777 | 3,932 | |
| mil bu) | Imports¹ | ω | 9 | 2 | 4 | 7 | _ | 7 | _ | _ | က | _ | _ | _ | က | က | 2 | က | 7 | 7 | 2 | က | က | ∞ | |
| Supply (mil bu) | Production | 1,355 | 1,232 | 1,092 | 1,147 | 1.283 | 1,316 | 1,305 | 1,508 | 1,557 | 1,443 | 1,352 | 1,619 | 1,546 | 1,711 | 1,782 | 2,127 | 2,149 | 2,046 | 1,776 | 2,134 | 2,381 | 2,785 | 2,765 | |
| Reginaliza | stock | 1,384 | 1,502 | 1,421 | 1,270 | 663 | 921 | 099 | 513 | 630 | 904 | 983 | 823 | 983 | 265 | 340 | 435 | 999 | 1,113 | 1,178 | 924 | 905 | 686 | 1,159 | |
| Yield per | acre (bu) | 26.1 | 23.9 | 25.0 | 25.2 | 25.8 | 26.5 | 26.3 | 25.8 | 28.4 | 30.6 | 31.0 | 33.9 | 32.7 | 31.6 | 27.3 | 30.6 | 30.3 | 30.7 | 31.4 | 34.2 | 33.5 | 34.5 | 35.5 | |
| Area (1,000 acres) | Harvested | 51,879 | 51,571 | 43,688 | 45,506 | 49,762 | 49,560 | 49,613 | 58,353 | 54,765 | 47,146 | 43,564 | 47,685 | 47,303 | 54,148 | 65,368 | 69,499 | 70,927 | 989'99 | 56,495 | 62,454 | 71,125 | 81,642 | 77,937 | |
| Area (1, | Planted | 54,906 | 55,707 | 49,274 | 53.364 | 55,672 | 57,361 | 54,105 | 67,264 | 61,860 | 53,450 | 48,739 | 53,822 | 54,913 | 59,254 | 71,044 | 74,900 | 80,395 | 75,410 | 62,989 | 71,424 | 80,788 | 88,251 | 86,232 | |
| Year | June 1 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | |

Table A-1 continued.

| Wheat: | Area, yi | Wheat: Area, yield, supply, | , disappea | rance, an | /, disappearance, and prices, 1960-941 | 960-94 | | | | | |
|-----------|----------|-----------------------------|------------|-----------|--|-----------------|-------|----------|------------------------|-------|--------------------|
| Year | • | 9 | Yield per | | Supply | Supply (mil bu) | | Disap | Disappearance (mil bu) | (nq | Prices received |
| beginning | | Area (1,000 acres) | harvested | Beginning | | | | Domestic | | | by farmers |
| June 1 | Planted | Planted Harvested | acre (bu) | stock | Production | Imports¹ | Total | asn | Exports' | Total | (dol per bu) |
| 1983 | 76,419 | 61,390 | 39.4 | 1,515 | 2,420 | 4 | 3,939 | 1,114 | 1,426 | 2,540 | 3.51 |
| 1984 | 79,213 | 66,928 | 38.8 | 1,399 | 2,595 | 6 | 4,003 | 1,156 | 1,421 | 2,578 | 3.39 |
| 1985 | 75,575 | | 37.5 | 1,425 | 2,424 | 16 | 3,866 | 1,051 | 606 | 1,961 | 3.08 |
| 1986 | 72,068 | | 34.4 | 1,905 | 2,091 | 21 | 4,017 | 1,197 | 666 | 2,196 | 2.42 |
| 1987 | 65,834 | | 37.7 | 1,821 | 2,108 | 16 | 3,945 | 1,096 | 1,588 | 2,684 | 2.57 |
| 1988 | 65,829 | | 34.1 | 1,261 | 1,812 | 23 | 3,096 | 979 | 1,415 | 2,394 | 3.72 |
| 1989 | 76,615 | 62,189 | 32.7 | 702 | 2,037 | 23 | 2,761 | 992 | 1,232 | 2,224 | 3.72 |
| 1990 | 77,041 | | 39.2 | 537 | 2,730 | 36 | 3,303 | 1,365 | 1,070 | 2,435 | 2.61 |
| 1991 | 69,881 | 57,803 | 34.3 | 898 | 1,980 | 41 | 2,889 | 1,132 | 1,282 | 2,414 | 3.00 |
| 1992 | 72,219 | | 39.3 | 475 | 2,467 | 20 | 3,002 | 1,127 | 1,354 | 2,481 | 3.24^{2} |
| 1993 | 72,168 | | 38.2 | 531 | 2,396 | 109 | 3,036 | 1,239 | 1,228 | 2,467 | 3.26 |
| 1994² | 70,421 | | 37.6 | 269 | 2,321 | 06 | 2,979 | 1,238 | 1,250 | 2,488 | 3.45 |
| | | | | | | | | | | | |

¹Imports and exports include flour and other products expressed in wheat equivalents. ²Projected, April 1995.

| | Prices received | by farmers | (dol per bu) | 1.00 | 1.10 | 1.12 | 1.11 | 1.17 | 1.16 | 1.24 | 1.03 | 1.08 | 1.16 | 1.33 | 1.08 | 1.57 | 2.55 | 3.02 | 2.54 | 2.15 | 2.02 | 2.25 | 2.48 | 3.12 | 2.47 | -continued |
|---|------------------------|------------|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
| | u) | | Total | 3,679 | 3,962 | 3,895 | 3,848 | 3,875 | 4,409 | 4,184 | 4,518 | 4,502 | 4,801 | 4,495 | 5,187 | 000'9 | 5,896 | 4,826 | 2,767 | 5,789 | 6,207 | 6,995 | 7,604 | 7,282 | 6,975 | ' |
| | Disappearance (mil bu) | | Exports ³ | 292 | 435 | 416 | 200 | 220 | 289 | 487 | 633 | 536 | 612 | 517 | 962 | 1,258 | 1,243 | 1,149 | 1,664 | 1,645 | 1,896 | 2,113 | 2,402 | 2,391 | 1,997 | |
| | Disapp | Domestic | asn | 3,387 | 3,527 | 3,479 | 3,348 | 3,305 | 3,722 | 3,698 | 3,885 | 3,966 | 4,189 | 3,978 | 4,392 | 4,742 | 4,653 | 3,677 | 4,103 | 4,144 | 4,311 | 4,882 | 5,203 | 4,891 | 4,978 | |
| | | | Tota/ | 5,696 | 5,615 | 5,260 | 5,385 | 5,022 | 5,251 | 5,011 | 2,687 | 5,620 | 5,806 | 5,161 | 6,314 | 6,708 | 6,380 | 5,187 | 6,400 | 6,925 | 7,643 | 8,705 | 9,638 | 8,675 | 9,511 | |
| | (nq Jim | | Imports | - | - | - | _ | _ | ~ | - | _ | _ | _ | 4 | _ | _ | ~ | 7 | 2 | 7 | 7 | ~ | _ | _ | _ | |
| • | Supply (mil bu) | | Production | 3,907 | 3,598 | 3,606 | 4,019 | 3,484 | 4,103 | 4,168 | 4,860 | 4,450 | 4,687 | 4,152 | 5,646 | 5,580 | 5,671 | 4,701 | 5,841 | 6,289 | 6,505 | 7,268 | 7,928 | 6,639 | 8,119 | |
| • | | Beginning | stock | 1,787 | 2,016 | 1,653 | 1,365 | 1,537 | 1,147 | 842 | 826 | 1,169 | 1,118 | 1,005 | 299 | 1,127 | 708 | 484 | 558 | 633 | 1,136 | 1,436 | 1,710 | 2,034 | 1,392 | |
| | Yield per | harvested | acre (bu) | 54.7 | 62.4 | 64.7 | 6.79 | 62.9 | 74.1 | 73.1 | 80.1 | 79.5 | 82.9 | 72.4 | 88.1 | 97.0 | 91.3 | 71.9 | 86.4 | 88.0 | 8.06 | 101.0 | 109.5 | 91.0 | 108.9 | |
| (30000000000000000000000000000000000000 | Harvested | for | grain | 71,422 | 57,634 | 55,726 | 59,227 | 55,369 | 55,392 | 57,002 | 60,694 | 55,980 | 54,574 | 57,358 | 64,123 | 57,513 | 62,143 | 65,405 | 67,625 | 71,506 | 71,614 | 71,930 | 72,400 | 72,961 | 74,524 | |
| V 1007 / 1 | Planted | for all | burpose | 81,425 | 65,919 | 65,017 | 68,771 | 65,823 | 65,171 | 66,347 | 71,156 | 65,126 | 64,264 | 66,863 | 74,179 | 67,126 | 72,253 | 77,935 | 78,719 | 84,588 | 84,328 | 81,675 | 81,394 | 84,043 | 84,097 | |
| ? | | | Year⁴ | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | |

Table A-2 continued.

Corn (grain only): Area, yield, supply, disappearance, and prices, 1960-941

| Prices | received | by farmers | (dol per bu) | 2.55 | 3.21 | 2.63 | 2.23 | 1.50 | 1.94 | 2.54 | 2.36 | 2.28 | 2.37 | 2.07 | 2.50 | 2.25 | |
|--------------------|------------------------|------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | u) | | Total | 7,249 | 6,693 | 7,032 | 6,494 | 7,385 | 7,757 | 7,260 | 8,120 | 7,761 | 7,916 | 8,471 | 7,620 | 9,375 | |
| | Disappearance (mil bu) | | $Exports^3$ | 1,821 | 1,886 | 1,850 | 1,227 | 1,492 | 1,716 | 2,026 | 2,368 | 1,725 | 1,584 | 1,663 | 1,328 | 2,025 | |
| | Disapp | Domestic | asn | 5,428 | 4,806 | 5,182 | 5,267 | 5,893 | 6,041 | 5,232 | 5,752 | 6,036 | 6,332 | 6,808 | 6,292 | 7,350 | |
| | | | Tota/ | 10,772 | 7,699 | 8,680 | 10,534 | 12,267 | 12,016 | 9,191 | 9,464 | 9,282 | 9,046 | 10,584 | 8,470 | 10,963 | |
| | (mg lim) | | Imports | - | 2 | 2 | 10 | 2 | 4 | က | 2 | က | 20 | 7 | 21 | 10 | |
| | Supply (mil bu) | | Production | 8,235 | 4,174 | 7,672 | 8,875 | 8,226 | 7,131 | 4,929 | 7,532 | 7,934 | 7,475 | 9,477 | 6,336 | 10,103 | |
| | | Beginning | stock | 2,537 | 3,523 | 1,006 | 1,648 | 4,040 | 4,882 | 4,259 | 1,930 | 1,344 | 1,521 | 1,100 | 2,113 | 820 | |
| | Yield per | harvested | acre (bu) | 113.2 | 81.1 | 106.7 | 118.0 | 119.4 | 119.8 | 84.6 | 116.3 | 118.5 | 108.6 | 131.5 | 100.7 | 138.6 | |
| Area (1,000 acres) | Harvested | for | grain | 72,719 | 51,479 | 71,897 | 75,209 | 68,907 | 59,505 | 58,250 | 64,783 | 66,925 | 68,822 | 72,077 | 62,921 | 72,917 | |
| Area (1, | Planted | for all | esodund | 81,857 | 60,207 | 80,517 | 83,398 | 76,580 | 66,200 | 67,717 | 72,322 | 74,166 | 75,957 | 79,311 | 73,235 | 79,158 | |
| | | | Year | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 19944 | |

¹Revised data, 1979-82. ²Marketing year beginning October 1, 1960-1974; September 1 marketing year from 1975 to date. ³Grain and grain equivalent of corn products. ⁴As of April 1995.

| Prices | received | by farmers | (dol per bu) | 2.13 | 2.28 | 2.34 | 2.51 | 2.62 | 2.54 | 2.75 | 2.49 | 2.43 | 2.35 | 2.85 | 3.03 | 4.37 | 5.68 | 6.64 | 4.92 | 6.81 | 5.88 | 99.9 | 6.28 | 7.57 | 6.07 |
|------------------------|-----------------|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | Tota/ | 579.8 | 627.4 | 701.5 | 677.9 | 738.5 | 839.7 | 874.0 | 900.2 | 946.4 | 1,228.0 | 1,258.2 | 1,202.9 | 1,213.0 | 1,436.4 | 1,198.9 | 1,490.6 | 1,429.6 | 1,709.0 | 1,854.2 | 2,079.0 | 1,843.0 | 2,048.0 |
| Disappearance (mil bu) | | Crushed | (mil bu) | 406.1 | 431.4 | 472.8 | 436.8 | 479.0 | 537.5 | 559.4 | 576.4 | 602.9 | 737.3 | 760.1 | 720.4 | 721.8 | 821.3 | 701.3 | 865.1 | 790.2 | 926.7 | 1,018.0 | 1,123.0 | 1,020.0 | 1,030.0 |
| Disappeara | | | Exports | 134.7 | 149.4 | 180.5 | 187.2 | 212.2 | 250.6 | 261.6 | 266.6 | 286.8 | 432.6 | 433.8 | 416.8 | 479.4 | 539.1 | 420.7 | 555.1 | 564.1 | 700.5 | 739.2 | 875.0 | 724.0 | 929.0 |
| | Seed, | peeq | residual | 39 | 47 | 48 | 54 | 47 | 25 | 53 | 22 | 53 | 28 | 64 | 92 | 12 | 77 | 77 | 71 | 77 | 82 | 26 | 81 | 66 | 88 |
| | | | Tota/ | 6.909 | 705.7 | 747.5 | 745.2 | 768.2 | 875.3 | 964.1 | 1,066.6 | 1,273.3 | 1,458.0 | 1,356.9 | 1,274.9 | 1,273.0 | 1,608.0 | 1,387.0 | 1,735.5 | 1,533.5 | 1,870.2 | 2,029.9 | 2,437.0 | 2,156.0 | 2,302.0 |
| | Supply (mil bu) | | Production | 555.1 | 678.6 | 669.2 | 699.2 | 6.007 | 845.6 | 928.5 | 976.4 | 1,107.0 | 1,131.1 | 1,127.1 | 1,176.1 | 1,201.0 | 1,548.0 | 1,216.3 | 1,549.0 | 1,288.6 | 1,767.3 | 1,868.7 | 2,261.0 | 1,798.0 | 1,989.0 |
| | | Beginning | stock | 51.8 | 27.1 | 78.3 | 46.0 | 67.3 | 29.7 | 35.6 | 90.1 | 166.3 | 326.8 | 229.8 | 98.8 | 72.0 | 9.69 | 170.8 | 188.2 | 244.9 | 102.9 | 161.2 | 176.0 | 358.0 | 313.0 |
| | Yield per | harvested | acre (bu) | 23.5 | 25.1 | 24.2 | 24.4 | 22.8 | 24.5 | 25.4 | 24.5 | 26.7 | 27.4 | 26.7 | 27.5 | 27.8 | 27.8 | 23.7 | 28.9 | 26.1 | 30.6 | 29.4 | 32.1 | 26.5 | 30.1 |
| | | Area (1,000 acres) | Harvested | 23,655 | 27,003 | 27,608 | 28,615 | 30,793 | 34,449 | 36,546 | 39,805 | 41,391 | 41,337 | 42,249 | 42,705 | 45,683 | 25,667 | 51,341 | 53,617 | 49,401 | 57,830 | 63,663 | 70,343 | 67,813 | 66,163 |
| | | Area (1,C | Planted | 24,440 | 27,787 | 28,418 | 29,462 | 31,721 | 35,227 | 37,294 | 40,819 | 42,265 | 42,534 | 43,082 | 43,476 | 46,866 | 56,549 | 52,479 | 54,590 | 50,269 | 58,978 | 64,708 | 71,411 | 69,930 | 67,543 |
| | Year | beginning | Sept. 1 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 |

-continued

| Area (1,000 acrees) Yield per larvested larves | Soybear | ıs: Area, | Soybeans: Area, yield, sup | pply, disap | pearance, | pply, disappearance, and prices, 1960-941 | , 1960-94 | | | | | |
|--|-----------|-----------|----------------------------|-------------|-----------|---|-----------|----------|-----------|---------------|---------|--------------|
| Area (1,000 acres) Yield per box stock Supply (mil bu) Seed, see | | | | | | | | | Disappear | ance (mil bu) | | Price |
| Area (1,000 acres) harvesied Beginning feed Crushed by far Planted Harvested acre (bu) stock Production Total residual Exports (mil bu) Total (do) pe 70,884 69,442 31.5 254.0 2,190.0 2,444.0 86 905.0 1,108.0 2,099.0 63,779 62,525 26.2 345.0 1,636.0 1,981.0 79 743.0 983.0 1,805.0 67,755 66,113 28.1 176.0 1,861.0 2,047.0 93 598.0 1,721.0 60,405 58,312 33.3 536.0 1,943.0 2,479.0 106 757.0 1,779.0 2,042.0 58,180 57,172 33.9 436.0 1,943.0 2,479.0 106 757.0 1,174.0 2,042.0 58,840 57,172 33.9 436.0 1,943.0 2,479.0 106 757.0 1,146.0 1,673.0 58,840 57,373 32.3 | Year | | | Yield per | | Supply (mil bu, | | Seed, | | | | received |
| Planted Harvested acre (bu) stock Production Total residual Exports (mil bu) Total (do) per (do) 70,884 69,442 31.5 254.0 2,190.0 2,444.0 86 905.0 1,108.0 2,099.0 63,779 62,525 26.2 345.0 1,636.0 1,981.0 79 743.0 983.0 1,805.0 67,755 66,113 28.1 176.0 1,861.0 2,037.0 93 598.0 1,030.0 1,721.0 67,755 66,113 28.1 176.0 1,861.0 2,037.0 93 598.0 1,030.0 1,721.0 60,405 58,312 33.3 536.0 1,943.0 2,479.0 106 757.0 1,771.0 2,042.0 58,180 57,172 33.9 436.0 1,938.0 2,479.0 10 623.0 1,174.0 2,042.0 58,840 57,373 27.0 1,924.0 1,855.0 88 527.0 1,460.0 1,673.0 <th>peginning</th> <th>Area (1,</th> <th>,000 acres)</th> <th>harvested</th> <th>Beginning</th> <th></th> <th></th> <th>feed</th> <th></th> <th>Crushed</th> <th></th> <th>by farmer</th> | peginning | Area (1, | ,000 acres) | harvested | Beginning | | | feed | | Crushed | | by farmer |
| 70,884 69,442 31.5 254.0 2,190.0 2,444.0 86 905.0 1,108.0 2,099.0 63,779 62,525 26.2 345.0 1,636.0 1,981.0 79 743.0 983.0 1,805.0 67,755 66,13 28.1 176.0 1,861.0 2,037.0 93 598.0 1,030.0 1,721.0 63,145 61,599 34.1 316.0 2,099.0 2,415.0 86 740.0 1,053.0 1,872.0 60,405 58,312 33.3 436.0 1,943.0 2,479.0 106 757.0 1,053.0 1,872.0 58,180 57,172 33.9 436.0 1,938.0 2,479.0 106 757.0 1,174.0 2,042.0 58,840 57,373 27.0 1,924.0 1,855.0 88 527.0 1,058.0 1,673.0 60,820 59,538 32.3 182.0 1,924.0 2,169.0 101 623.0 1,146.0 1,870.0 59,180 | Sept. 1 | Planted | Harvested | acre (bu) | stock | Production | Tota/ | residual | Exports | (mil bu) | Tota/ | (dol per bu, |
| 63,77962,52526.2345.01,636.01,981.079743.0983.01,805.067,75566,11328.1176.01,636.02,037.093598.01,030.01,721.063,14561,59934.1316.02,099.02,415.086740.01,053.01,879.060,40558,31233.3536.01,943.02,479.0106757.01,179.02,042.058,18057,17233.9436.01,549.01,855.088527.01,174.02,072.058,84057,37327.0302.01,549.01,855.088527.01,058.01,673.060,82059,53832.3182.01,924.02,109.0101623.01,146.01,870.057,79556,51234.1239.01,926.02,168.095557.01,187.01,839.059,18058,01134.2329.01,987.02,319.0103684.01,254.02,041.059,18058,23337.62,2921,8712,1701005891,2721,96160,13557,34741.92092,5582,7751708001,3702,340 | 1982 | 70,884 | 69,442 | 31.5 | 254.0 | 2,190.0 | 2,444.0 | 98 | 905.0 | 1,108.0 | 2,099.0 | 5.71 |
| 67,755 66,113 28.1 176.0 1,861.0 2,037.0 93 598.0 1,030.0 1,721.0 63,145 61,599 34.1 316.0 2,099.0 2,415.0 86 740.0 1,053.0 1,879.0 60,405 58,312 33.3 536.0 1,943.0 2,479.0 106 757.0 1,179.0 2,042.0 58,180 57,172 33.9 436.0 1,938.0 2,374.0 97 802.0 1,174.0 2,072.0 58,840 57,172 33.9 436.0 1,924.0 2,109.0 101 623.0 1,174.0 2,072.0 58,840 57,795 56,512 34.1 239.0 1,926.0 2,109.0 101 623.0 1,146.0 1,870.0 59,180 58,011 34.2 329.0 1,926.0 2,168.0 2,471 130 770 1,279 2,179 60,136 58,233 37.6 292 1,871 2,176 170 800 1,370 | 1983 | 63,779 | 62,525 | 26.2 | 345.0 | 1,636.0 | 1,981.0 | 79 | 743.0 | 983.0 | 1,805.0 | 7.83 |
| 63,14561,59934.1316.02,099.02,415.086740.01,053.01,879.060,40558,31233.3536.01,943.02,479.0106757.01,179.02,042.058,18057,17233.9436.01,938.02,374.097802.01,174.02,072.058,84057,37327.0302.01,549.01,855.088527.01,058.01,673.060,82059,53832.3182.01,924.02,109.0101623.01,146.01,870.057,79556,51234.1239.01,987.02,319.0103684.01,254.02,041.059,18058,01134.2329.01,8712,1771005891,2721,96160,13557,34732.62,2921,8712,1761005891,2721,96161,94061,12941.92092,5582,7751708001,3702,340 | 1984 | 67,755 | 66,113 | 28.1 | 176.0 | 1,861.0 | 2,037.0 | 93 | 298.0 | 1,030.0 | 1,721.0 | 5.84 |
| 60,40558,31233.3536.01,943.02,479.0106757.01,179.02,042.058,18057,17233.9436.01,938.02,374.097802.01,174.02,072.058,84057,37327.0302.01,549.01,855.088527.01,058.01,673.060,82059,53832.3182.01,924.02,109.0101623.01,146.01,870.057,79556,51234.1239.01,926.02,168.095557.01,187.01,839.059,18058,01134.2329.01,987.02,319.0103684.01,254.02,041.059,18058,23337.62,2921,8712,1701005891,2721,96160,13557,34741.92092,5582,7751708001,3702,340 | 1985 | 63,145 | 61,599 | 34.1 | 316.0 | 2,099.0 | 2,415.0 | 98 | 740.0 | 1,053.0 | 1,879.0 | 5.05 |
| 58,180 57,172 33.9 436.0 1,938.0 2,374.0 97 802.0 1,174.0 2,072.0 58,840 57,373 27.0 302.0 1,549.0 1,855.0 88 527.0 1,058.0 1,673.0 60,820 59,538 32.3 182.0 1,924.0 2,109.0 101 623.0 1,146.0 1,870.0 57,795 56,512 34.1 239.0 1,926.0 2,168.0 95 557.0 1,187.0 1,839.0 59,180 58,011 34.2 329.0 1,987.0 2,319.0 103 684.0 1,254.0 2,041.0 59,180 58,233 37.6 278 2,190 2,471 130 770 1,279 2,179 60,135 57,347 32.6 2,558 2,775 170 800 1,370 2,340 | 1986 | 60,405 | 58,312 | 33.3 | 536.0 | 1,943.0 | 2,479.0 | 106 | 757.0 | 1,179.0 | 2,042.0 | 4.78 |
| 58,840 57,373 27.0 302.0 1,549.0 1,855.0 88 527.0 1,058.0 1,673.0 60,820 59,538 32.3 182.0 1,924.0 2,109.0 101 623.0 1,146.0 1,870.0 57,795 56,512 34.1 239.0 1,926.0 2,168.0 95 557.0 1,187.0 1,839.0 59,180 58,011 34.2 329.0 1,987.0 2,319.0 103 684.0 1,254.0 2,041.0 59,180 58,233 37.6 278 2,190 2,471 130 770 1,279 2,179 60,135 57,347 32.6 292 1,871 2,170 100 589 1,272 1,961 61,940 61,129 41.9 209 2,558 2,775 170 800 1,370 2,340 | 1987 | 58,180 | 57,172 | 33.9 | 436.0 | 1,938.0 | 2,374.0 | 26 | 802.0 | 1,174.0 | 2,072.0 | 5.88 |
| 60,820 59,538 32.3 182.0 1,924.0 2,109.0 101 623.0 1,146.0 1,870.0 57,795 56,512 34.1 239.0 1,926.0 2,168.0 95 557.0 1,187.0 1,839.0 59,180 58,011 34.2 329.0 1,987.0 2,319.0 103 684.0 1,254.0 2,041.0 59,180 58,233 37.6 278 2,190 2,471 130 770 1,279 2,179 60,135 57,347 32.6 292 1,871 2,170 100 589 1,272 1,961 61,940 61,129 41.9 209 2,558 2,775 170 800 1,370 2,340 | 1988 | 58,840 | 57,373 | 27.0 | 302.0 | 1,549.0 | 1,855.0 | 88 | 527.0 | 1,058.0 | 1,673.0 | 7.42 |
| 57,79556,51234.1239.01,926.02,168.095557.01,187.01,839.059,18058,01134.2329.01,987.02,319.0103684.01,254.02,041.059,18058,23337.62782,1902,4711307701,2792,17960,13557,34732.62921,8712,1701005891,2721,96161,94061,12941.92092,5582,7751708001,3702,340 | 1989 | 60,820 | 59,538 | 32.3 | 182.0 | 1,924.0 | 2,109.0 | 101 | 623.0 | 1,146.0 | 1,870.0 | 5.69 |
| 59,180 58,011 34.2 329.0 1,987.0 2,319.0 103 684.0 1,254.0 2,041.0 59,180 58,233 37.6 278 2,190 2,471 130 770 1,279 2,179 60,135 57,347 32.6 292 1,871 2,170 100 589 1,272 1,961 61,940 61,129 41.9 209 2,558 2,775 170 800 1,370 2,340 | 1990 | 57,795 | 56,512 | 34.1 | 239.0 | 1,926.0 | 2,168.0 | 92 | 557.0 | 1,187.0 | 1,839.0 | 27.5 |
| 59,180 58,233 37.6 278 2,190 2,471 130 770 1,279 2,179 60,135 57,347 32.6 292 1,871 2,170 100 589 1,272 1,961 61,940 61,129 41.9 209 2,558 2,775 170 800 1,370 2,340 | 1991 | 59,180 | 58,011 | 34.2 | 329.0 | 1,987.0 | 2,319.0 | 103 | 684.0 | 1,254.0 | 2,041.0 | 5.58 |
| 60,135 57,347 32.6 292 1,871 2,170 100 589 1,272 1,961 61,940 61,129 41.9 209 2,558 2,775 170 800 1,370 2,340 | 1992 | 59,180 | 58,233 | 37.6 | 278 | 2,190 | 2,471 | 130 | 770 | 1,279 | 2,179 | 5.56 |
| 61,940 61,129 41.9 209 2,558 2,775 170 800 1,370 2,340 | 1993 | 60,135 | 57,347 | 32.6 | 292 | 1,871 | 2,170 | 100 | 589 | 1,272 | 1,961 | 6.40 |
| | 19941 | 61,940 | 61,129 | 41.9 | 209 | 2,558 | 2,775 | 170 | 800 | 1,370 | 2,340 | 5.4 |

¹As of April 1995.

Cotton (all kinds): Area, yield, supply, disappearance, and prices, 1964-94

22.0 22.9 27.3 44.6 42.9 52.3 58.4 29.3 26.7 23.1 28.2 51.3 64.1 62.5 74.7 54.3 59.4 66.4 57.8 21.7 by farmers² (cents per (punod receivea 9,786 13,456 12,631 13,595 11,458 12,532 15,735 12,714 14,406 13,438 11,157 10,992 12,101 11,644 13,080 11,967 11,817 11,831 10,561 Disappearance (1,000 bales) 4,832 2,825 2,878 3,385 6,123 3,926 6,180 9,229 5,926 5,207 6,786 6,215 3,035 4,361 3,897 5,311 3,311 4,784 5,484 6,567 Exports 5,860 6,483 6,352 6,506 5,512 5,928 9,596 8,332 8,114 8,259 7,769 6,674 5,264 Domestic mill use 9,261 9,574 9,077 8,204 7,472 7,250 5,891 27,613 29,318 14,149 18,340 18,615 26,688 19,936 16,586 16,072 14,752 16,996 17,243 15,382 14,102 14,300 17,322 16,207 18,592 15,721 15,781 17,577 105 149 68 52 37 72 34 34 34 92 38 27 26 20 20 12 25 25 33 Imports Supply (1,000 bales) 8,302 14,389 10,856 4,629 11,122 15,646 7,443 10,925 9,990 10,192 13,704 12,974 11,540 11,963 12,982 13,432 Production 14,951 9,555 10,477 10,581 7,771 12,351 14,249 17,028 6,544 5,843 4,203 3,258 3,808 5,708 2,928 5,347 3,958 3,000 2,668 6,632 7,937 2,775 stock 12,344 6,584 4,221 3,681 Beginning acre 438 507 520 453 465 520 420 542 590 508 harvested 480 447 441 547 527 Yield per (spunod) 2,400 13,215 7,348 14,055 13,615 11,058 11,155 12,984 11,970 12,547 8,796 0,914 13,275 9,734 10,379 10,229 9,552 7,997 0,160 2,831 3,841 11,471 Harvested Area (1,000 acres) 13,978 11,345 7,926 14,835 10,349 9,448 10,912 11,945 12,355 13,679 9,478 11,636 13,680 13,375 14,330 10,685 14,152 11,882 12,480 14,534 Planted 14,001 9261 1978 1979 1964 1965 1968 1969 1970 1972 1973 1974 1975 982 983 1966 1967 1977 1980 1971 1981

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Table A-4 continued.

| Cotton (| Cotton (all kinds): Area, | | eld, suppl | y, disappe | yield, supply, disappearance, and prices, 1964-94 | d prices, 1 | 964-94 | | | | |
|----------|---------------------------|--------------------|------------------------|------------|---|----------------------|--------|----------|-----------------------------|--------|-------------------------|
| | | | | | | | | | | | Prices |
| | | | Yield per harvested | | Supply (1, | Supply (1,000 bales) | | Disappe | Disappearance (1,000 bales) | bales) | received by farmers² |
| | Area (1, | Area (1,000 acres) | acre | Beginning | | | | Domestic | | | (cents per |
| Year¹ | Planted | Harvested | (spunod) | stock | Production | Imports | Total | mill use | Exports | Total | (punod |
| 1986 | 10,045 | 8,468 | 552 | 9,348 | 9,731 | 3 | 19,082 | 7,452 | 6,684 | 14,136 | 52.4 |
| 1987 | 10,397 | 10,030 | 200 | 5,026 | 14,760 | 2 | 19,788 | 7,617 | 6,582 | 14,199 | 64.3 |
| 1988 | 12,515 | 11,948 | 619 | 5,771 | 15,411 | 2 | 21,187 | 7,782 | 6,148 | 13,930 | 9.99 |
| 1989 | 10,587 | 9,538 | 614 | 7,092 | 12,196 | 2 | 19,290 | 8,759 | 7,694 | 16,453 | 66.2 |
| 1990 | 12,348 | 11,732 | 634 | 3,000 | 15,505 | 4 | 18,509 | 8,657 | 7,793 | 16,450 | 67.1 |
| 1991 | 14,052 | 12,960 | 652 | 2,344 | 17,614 | 13 | 19,971 | 9,613 | 6,646 | 16,259 | 6.8 |
| 1992 | 13,240 | 11,123 | 200 | 3,704 | 16,218 | _ | 19,923 | 10,250 | 5,201 | 15,451 | 53.7 |
| 1993 | 13,438 | 12,783 | 909 | 4,662 | 16,134 | 9 | 20,802 | 10,418 | 6,862 | 17,280 | 58.0 |
| 1994³ | 13,726 | 13,328 | 208 | 3,530 | 19,670 | 10 | 23,210 | 11,300 | 10,000 | 21,300 | 72.0 |
| | | | | | | | | | | | |

"Marketing year beginning August 1. ²Upland cotton, weighted season average price received by farmers. ³As of April 1995.

Table A-5.

31.60 36.90 23.70 25.10 24.00 20.40 22.00 26.00 26.30 27.60 36.40 44.70 26.60 35.20 27.20 34.20 34.50 59.00 76.80 64.00 pounds (dollars) Price per 100 Cattle 19.90 18.00 22.20 22.30 23.40 26.20 27.10 29.00 33.50 42.80 35.60 32.30 33.70 62.40 58.60 20.20 21.30 34.50 48.50 19.90 35,722,510 54,877,016 40,033,778 44,623,119 47,494,093 47,194,719 49,459,720 53,141,798 50,208,435 57,169,770 51,874,758 50,210,836 Marketings⁵ 36,821,343 37,668,658 42,655,520 46,284,623 46,684,824 50,685,799 51,022,731 58,426,941 57,381,035 50,896,754 Cattle and calves: Inventory numbers, calf crop, disposition, production, and prices, 1960-94 34,836,138 37,146,953 28,795,880 29,902,448 34,949,625 36,530,247 39,342,987 41,225,193 44,231,455 40,878,016 41,368,299 39,766,559 41,178,209 **Production⁴** 30,774,859 32,776,777 34,002,808 36,122,064 39,434,379 42,760,575 40,829,023 38,803,335 40,283,777 2,512 2,485 2,714 2,808 3,346 4,388 4,000 3,618 2,486 2,542 2,480 2,637 2,591 4,104 4,596 3,369 3,860 3,700 Calves 2,607 2,424 Deaths (1,000 Head) Cattle 1,532 1,583 1,560 1,595 1,625 1,533 1,532 1,583 1,780 2,099 2,006 2,396 2,000 1,940 006,1 1,700 1,641 1,527 1,634 1,821 1,567 Slaughter³ (1,000 Head) 1,218 1,213 1,196 503 570 729 Calves 1,194 1,242 665 622 568 486 456 750 722 700 550 430 Cattle and 462 9,514 Calves 11,918 12,552 12,603 12,488 12,365 12,742 12,598 12,036 12,086 12,164 11,652 12,253 12,525 12,722 11,952 10,502 10,383 10,151 *Marketings²* (1,000 Head) Cattle 36,403 37,863 40,280 45,038 45,860 45,559 46,926 49,143 51,043 48,369 48,383 54,410 56,342 54,622 48,358 46,026 54,331 46,647 43,482 44,781 Inship-ments (1,000 15,595 19,509 19,942 20,059 22,673 24,133 18,103 20,095 21,238 23,573 head) 13,477 16,583 16,182 17,464 18,624 18,597 24,831 23,241 22,322 20,513 18,914 43,928 43,803 44,315 46,738 50,873 50,183 42,268 43,809 47,682 49,194 47,384 43,818 42,596 44,938 44,666 Calf crop (1,000 39,355 40,180 43,537 45,177 45,931 head) 41,441 45,871 Inventory Jan. 1² (1,000 04,448 107,903 110,015 114,578 121,539 122,810 head) 97,700 00,369 000,601 108,862 108,783 109,371 112,369 117,862 127,788 132,028 127,980 110,864 111,242 96,236 16,375 114,351 1960 1963 1964 1965 1966 1967 1968 1969 1970 1972 1973 1975 1976 1977 1978 1980 1974 1979 1961 1962 1971 Year 1981

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Table A-5 continued.

62.10 61.10 59.90 78.50 89.20 90.80 95.60 98.00 89.00 91.20 Calves pounds (dollars) Price per 100 Cattle 55.50 57.30 53.70 52.60 61.10 09.99 69.50 72.70 71.30 72.60 56.70 74.60 54,644,756 54,483,633 55,398,117 53,761,675 52,765,220 53,315,858 53,988,403 53,030,343 54,449,464 53,131,604 54,178,593 Marketings⁵ 51,990,001 53,272,29 Cattle and calves: Inventory numbers, calf crop, disposition, production, and prices, 1960-94 40,617,645 **Production**⁴ 40,157,633 40,464,719 40,240,800 41,089,597 40,714,722 40,301,302 40,030,471 40,327,023 40,386,144 40,913,865 40,875,341 42,721,254 3,100 3,345 3,300 2,856 2,689 3,617 3,591 2,964 2,707 Calves 2,798 2,927 2,684 (1,000 Head) Deaths Cattle 1,873 1,738 1,700 1,609 1,505 1,529 1,540 1,677 1,703 1,843 1,877 1,701 Slaughter³ (1,000 Head) 370 330 242 226 227 Farm 388 Calves 351 281 241 244 Cattle and 10,498 10,176 9,545 9,565 9,679 Calves 10,253 10,530 10,423 10,451 9,978 Marketings² (1,000 Head) Cattle 49,308 45,632 49,549 48,089 50,862 49,243 49,963 49,232 46,642 46,766 45,921 46,022 46,607 Inship-ments 20,515 22,413 21,679 22,533 22,492 22,920 (1,000 19,210 19,864 21,211 23,278 head) 22,222 22,237 43,885 42,470 41,182 39,318 38,817 38,613 38,583 38,933 39,448 41,050 40,152 40,729 Calf crop (1,000 head) 44,200 105,378 96,393 97,556 (1,000 113,360 102,118 99,622 96,740 Jan. 1² head) 115,001 09,582 95,816 99,176 100,988 115,444 1982 1983 1986 1987 1988 1989 1990 1992 1993 1994 1984 1985 1991

Palance sheet estimates. Total of marketings, farm slaughter, deaths and onhand end of year equals total of births, inshipments, and onhand beginning of year. Includes Alaska and Hawaii beginning 1961. ²All cattle and calves. ³Data for 1966 not comparable with previous years due to change in definition to include custom slaughtering in plants for farmers as part of the commercial meat. ⁴Adjustments made for inshipments and changes in inventory. ⁵Excludes interfarm sales.

| Table A-6. | Table A-6. Hogs: Inventory numbers, pig crop, disappearance, and prices, 1960-94 | mbers, pig c | rop, disapp | earance, ar | nd prices, 1 | 960-941 | | | |
|------------|--|--------------------------|-----------------------------|-----------------------------|------------------------------------|------------------------|---------------------------------------|--------------------------|--------------------------------------|
| Year | Inventory Dec. 1² (1,000 head) | Pig crop (1,000 head) | Inshipments (1,000 head) | Marketings³ (1,000 head) | Farm slaughter⁴ (1,000 head) | Deaths (1,000 head) | Production ⁵ (1,000 lb) | Marketings (1,000 lb) | Price per 100 pounds (dollars) |
| 1960 | 59,026 | 88,216 | 2,500 | 79,831 | 5,114 | 9,223 | 19,203,234 | 18,622,151 | 15.30 |
| 1961 | 55,560 | 92,713 | 2,293 | 80,326 | 4,639 | 8,984 | 20,166,822 | 18,917,418 | 16.60 |
| 1962 | 56,619 | 93,608 | 2,639 | 81,743 | 4,093 | 9,037 | 20,274,620 | 19,310,335 | 16.30 |
| 1963 | 57,993 | 94,056 | 2,657 | 86,163 | 3,795 | 7,991 | 20,960,460 | 20,273,936 | 14.90 |
| 1964 | 56,757 | 87,544 | 2,718 | 86,088 | 3,269 | 6,872 | 20,216,732 | 20,487,965 | 14.80 |
| 1965 | 56,106 | 78,941 | 2,364 | 78,127 | 2,678 | 6,089 | 18,252,141 | 18,426,743 | 19.60 |
| 1966 | 50,519 | 87,604 | 2,489 | 75,761 | 1,375 | 6,351 | 19,148,989 | 17,773,114 | 23.50 |
| 1967 | 57,125 | 91,668 | 2,855 | 85,258 | 1,301 | 6,273 | 20,636,444 | 19,948,881 | 19.10 |
| 1968 | 58,818 | 94,156 | 3,181 | 87,728 | 1,262 | 6,338 | 21,034,221 | 20,381,499 | 18.50 |
| 1969 | 60,829 | 88,676 | 3,092 | 88,074 | 1,134 | 6,343 | 20,600,325 | 20,708,223 | 22.20 |
| 1970 | 57,046 | 101,714 | 3,211 | 86,919 | 1,235 | 6,532 | 21,822,826 | 20,347,354 | 22.70 |
| 1971 | 67,285 | 97,924 | 3,639 | 98,644 | 1,210 | 6,584 | 22,832,335 | 23,147,614 | 17.50 |
| 1972 | 62,412 | 90,574 | 3,360 | 89,555 | 1,158 | 6,617 | 20,918,802 | 20,922,577 | 24.10 |
| 1973 | 59,017 | 88,123 | 3,902 | 82,419 | 1,095 | 6,914 | 20,154,425 | 19,606,900 | 38.40 |
| 1974 | 60,614 | 83,744 | 3,979 | 85,504 | 1,321 | 6,819 | 19,976,384 | 20,299,581 | 43.20 |
| 1975 | 54,693 | 71,186 | 3,806 | 73,959 | 1,193 | 5,631 | 16,798,843 | 16,980,920 | 46.10 |
| 1976 | 49,267 | 84,395 | 4,191 | 75,744 | 1,175 | 6,001 | 18,110,651 | 17,085,365 | 43.30 |
| 1977 | 54,934 | 86,162 | 4,258 | 80,917 | 1,145 | 6,754 | 19,124,424 | 18,409,468 | 39.40 |
| 1978 | 56,539 | 88,442 | 4,713 | 81,428 | 1,099 | 7,067 | 19,610,887 | 18,749,389 | 46.60 |
| 1979 | 956'09 | 102,792 | 5,003 | 92,499 | 1,070 | 7,265 | 22,617,129 | 21,485,876 | 41.80 |
| 1980 | 67,318 | 101,720 | 4,668 | 100,651 | 1,100 | 7,494 | 23,401,728 | 23,473,775 | 38.00 |
| 1981 | 64,462 | 93,853 | 4,147 | 92,986 | 895 | 6,883 | 21,812,966 | 22,258,979 | 43.90 |
| 1982 | 58,598 | 85,189 | 3,827 | 86,972 | 655 | 5,552 | 19,657,921 | 20,154,962 | 52.30 |
| 1983 | 54,534 | 93,155 | 3,527 | 89,129 | 517 | 4,875 | 21,195,347 | 20,834,899 | 46.80 |
| | | | | | | | | | —continued |

Table A-6 continued.

| Hogs: | Hogs: Inventory numbers, pig crop, disappearance, and prices, 1960-94 | mbers, pig o | crop, disapp | earance, al | nd prices, 1 | 960-94 | | | |
|-------|---|--------------------------|-----------------------------|-----------------------------|---|------------------------|---------------------------------------|--------------------------|-------------------------|
| | Inventory | i | , | | Farm | | | , | Price per |
| Year | Dec. 1 ² (1,000 head) | Pig crop (1,000 head) | Inshipments (1,000 head) | Marketings³ (1,000 head) | slaughter Deaths (1,000 head) (1,000 head) | Deaths (1,000 head) | Production ^s (1,000 lb) | Marketings (1,000 lb) | 100 pounds (dollars) |
| 1984 | 56,694 | 86,586 | 3,527 | 87,344 | 473 | 4,917 | 20,195,699 | 20,490,921 | 47.10 |
| 1985 | 54,073 | 86,029 | 3,696 | 86,694 | 446 | 4,345 | 20,164,269 | 20,360,970 | 44.00 |
| 1986 | 52,313 | 82,283 | 3,463 | 86,608 | 358 | 4,133 | 19,362,696 | 19,362,696 | 49.30 |
| 1987 | 50,920 | 88,347 | 3,746 | 83,857 | 328 | 4,208 | 20,408,228 | 19,943,130 | 51.20 |
| 1988 | 54,384 | 92,883 | 3,722 | 90,420 | 335 | 4,767 | 21,669,577 | 21,626,216 | 42.30 |
| 1989 | 55,466 | 91,920 | 3,643 | 92,432 | 316 | 4,494 | 21,941,772 | 22,176,985 | 42.50 |
| 1990 | 53,788 | 90,100 | 4,317 | 89,240 | 279 | 4,269 | 22,808,605 | 22,553,539 | 53.70 |
| 1991 | 54,416 | 95,315 | 4,670 | 92,220 | 264 | 4,268 | 22,808,605 | 22,553,539 | 49.10 |
| 1992 | 57,649 | 99,142 | 4,871 | 98,589 | 272 | 4,600 | 24,278,519 | 24,285,468 | 41.60 |
| 1993 | 58,202 | 97,050 | 5,675 | 98,351 | 222 | 4,451 | 23,692,553 | 23,996,987 | 45.20 |
| 1994 | 57,904 | 101,400 | 6,172 | 100,709 | 208 | 4,568 | 24,458,776 | 24,513,580 | 39.90 |
| | | | | | | | | | |

¹Balance sheet estimates. Total of marketings, farm slaughter, deaths, and onhand end of year equals totals of births, inshipments, and onhand beginning of year. Includes Alaska and Hawaii beginning 1981. ²All hogs and pigs. Beginning with 1967 number onhand is estimate as of December 1 previous year. ³Excludes interfarm sales. ⁴Data for 1966 not comparable with previous years due to change in definition to include custom slaughtering in plants for farmers as part of the commercial meat production estimates beginning with January. ⁵Adjustments made for inshipments and changes in inventory.

-continued

Table A-7.

Sheep and lambs: Inventory numbers, lamb crop, disposition, production, and prices, 1962-941

| Price per 100 pounds (dollars) | | Lambs | 17.80 | 18.10 | 19.90 | 22.80 | 23.40 | 22.10 | 24.40 | 27.20 | 26.40 | 25.90 | 29.10 | 35.10 | 37.00 | 42.10 | 46.90 | 51.30 | 62.70 | 02.99 | 63.60 | 54.90 | 53.10 | 53.90 | 60.10 |
|-----------------------------------|-------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|-------------------|---------|---------|---------|-----------|---------|---------|
| Price pounds | | Sheep | 5.63 | 2.76 | 00.9 | 6.34 | 6.84 | 6.35 | 6.58 | 8.10 | 7.52 | 92.9 | 7.26 | 12.90 | 11.20 | 11.30 | 13.20 | 13.40 | 21.70 | 25.70 | 21.30 | 21.20 | 19.50 | 15.70 | 16 40 |
| | Marketings ³ | (a) 000,t) | 2,074,148 | 2,002,402 | 1,860,420 | 1,639,762 | 1,651,261 | 1,603,247 | 1,487,480 | 1,446,504 | 1,435,918 | 1,447,047 | 1,411,461 | 1,278,090 | 1,177,539 | 1,072,665 | 961,780 | 896,568 | 856,668 | 806,765 | 854,830 | 885,634 | 1,017,918 | 966,515 | 944.552 |
| | Production ⁵ | (a) 000,1) | 1,490,722 | 1,393,141 | 1,330,507 | 1,217,139 | 1,249,097 | 1,153,596 | 1,166,190 | 1,065,074 | 1,099,385 | 1,070,502 | 1,004,102 | 895,776 | 806,755 | 781,120 | 732,765 | 703,942 | 696,959 | 704,593 | 746,343 | 772,382 | 785,425 | 767,553 | 694.116 |
| ths head) | () | Lambs | 2,007 | 1,889 | 1,797 | 1,711 | 1,674 | 1,649 | 1,580 | 1,556 | 1,478 | 1,446 | 1,480 | 1,441 | 1,409 | 1,343 | 1,202 | 1,181 | 1,117 | 1,063 | 1,026 | 1,035 | 1,060 | 934 | 929 |
| Deaths (1,000 head) | Č | Sheep | 2,430 | 2,268 | 2,265 | 2,199 | 940 | 1,980 | 1,789 | 1,826 | 1,638 | 1,482 | 1,417 | 1,386 | 1,248 | 1,081 | 983 | 910 | 902 | 867 | 894 | 818 | 815 | 674 | 792 |
| Farm slaughter⁴ (1.000 head) | | Sheep Lambs | 113 218 | 113 212 | 107 193 | 294 | 268 | 245 | 237 | 233 | 249 | 236 | 224 | 202 | 217 | 212 | 197 | 198 | 174 | 172 | 166 | 189 | 195 | 171 | 141 |
| | | Lambs | 18,783 | 17,956 | 16,757 | 15,213 | 14,674 | 13,993 | 13,448 | 12,873 | 12,840 | 12,627 | 12,383 | 10,879 | 9,888 | 8,997 | 8,071 | 7,405 | 909'9 | 6,336 | 6,743 | 7,103 | 7,358 | 7,140 | 7,007 |
| Marketings³ | d | Sheep | 3,788 | 3,720 | 3,437 | 2,454 | 2,785 | 2,911 | 2,298 | 2,282 | 1,983 | 2,202 | 2,170 | 2,198 | 2,172 | 1,771 | 1,445 | 1,504 | 1,470 | 1,347 | 1,395 | 1,510 | 2,124 | 1,820 | 1,821 |
| Inshipments | (| Lambs | 5,198 | 4,962 | 4,838 | 5,165 | 4,679 | 4,030 | 4,035 | 4,119 | 4,032 | 4,004 | 3,976 | 3,275 | 2,629 | 2,343 | 2,466 | 2,173 | 2,151 | 2,143 | 2,216 | 1,885 | 2,115 | 1,838 | ,859 |
| Inship (1,000 | 2 | Sheep | 636 | 620 | 736 | ιΩ | 4 | 4 | 4 | 4 | 4 | 4 | m | m | 2 | 2 | N | N | N | 2 | 7 | _ | N | _ | _ |
| Lamb | (1,000 | head) | 19,712 | 18,516 | 16,994 | 16,312 | 15,881 | 15,017 | 14,443 | 13,723 | 13,465 | 12,998 | 12,599 | 11,500 | 10,509 | 9,857 | 8,888 | 8,606 | 8,020 | 7,974 | 8,257 | 8,820 | 8,580 | 8,209 | 7,788 |
| Inventory Jan. 1² | (1,000 | head) | 30,969 | 29,176 | 27,116 | 25,127 | 24,734 | 23,953 | 22,223 | 21,350 | 20,423 | 19,731 | 18,739 | 17,641 | 16,310 | 14,515 | 13,311 | 12,766 | 12,322 | 12,365 | 12,699 | 12,947 | 12,997 | 12,140 | 11,487 |
| | | Year | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 ⁶ | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |

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 Table A-7 continued.

 Sheep and lambs: Inventory numbers, lamb crop, disposition, production, and prices, 1962-941

| Price per 100 Marketings pounds (dollars) | | 868,942 23.90 | 809,588 25.60 | 799,111 29.50 | 625,734 25.60 | 827,968 24.40 66.10 | 879,829 23.20 | | 905,541 25.80 | | 986,454 28.60 |
|--|-------------|---------------|---------------|---------------|---------------|---------------------|---------------|--------|---------------|---------|---------------|
| Production ⁵ | (1,000 lb) | 694,21 | 721,46 | 728,86 | 707,14 | 775,620 | 757,236 | 762,81 | 711,339 | 688,594 | |
| Deaths 1,000 head) | Lambs | 839 | 777 | 736 | 669 | 731 | 808 | 741 | 759 | 688 | |
| | Sheep | 544 | 496 | 503 | 511 | 209 | 519 | 476 | 434 | 391 | |
| Farm slaughter⁴ (1,000 head) | Sheep Lambs | 135 | 128 | 113 | 100 | 86 | 95 | 92 | 88 | 74 | |
| Marketings³ ′1,000 head) | Lambs | 6,478 | 6,084 | 6,024 | 6,350 | 7,201 | 6,823 | 7,187 | 7,007 | 6,752 | |
| <i>Mari</i> (1,00 | Sheep | 1,569 | 1,310 | 1,232 | 1,610 | 1,129 | 1,628 | 1,719 | 1,923 | 1,952 | |
| Inshipments (1,000 head) | Sheep Lambs | 1,693 | 1,792 | 1,814 | 1,971 | 2,452 | 2,004 | 2,186 | 2,389 | 2,379 | |
| Lamb crop | | 7,412 | 7,356 | 7,190 | 7,205 | 7,721 | 7,686 | 7,651 | 7,225 | 6,379 | |
| Inventory Jan. 1² (1.000 | head) | 10,443 | 9,983 | 10,389 | 10,945 | 10,853 | 11,358 | 11,174 | 10,797 | 10,201 | |
| | Year | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | |

¹Balance sheet estimates. Total of marketings, farm slaughter, deaths, and onhand end of year equals total of births, inshipments, and onhand beginning of year. Includes Alaska beginning 1961; Hawaii not available. ²All sheep and lambs. ³Excludes interfarm sales. ⁴Data for 1966 not comparable with previous years due to change in definition to include custom slaughtering in plants for farmers as part of the commercial estimates beginning with January 1966. ⁵Adjustments made for inshipments and changes in inventory. €Excludes inventory and supply and disposition items for AL, AR, DE, FL, GA, MS, RI, and SC, and is comparable to other supply and disposition items for 1978. Actual Jan 1, 1978, inventory is 12,369,000 head.

| | | | Wilk teed ratios⁵ | 1.45 | 1.45 | 1.40 | 1.36 | 1.38 | 1.40 | 1.53 | 1.56 | 1.70 | 1.74 | 1.74 | 1.71 | 1.72 | 1.46 | 1.34 | 1.40 | 1.53 | 1.57 | 1.74 | 1.80 | 1.76 | 1.72 | -continued |
|-----------------|----------------------|-------------|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------------|
| Prices | received by | farmers for | all milk (dol. per cwt) | 4.21 | 4.22 | 4.09 | 4.10 | 4.15 | 4.23 | 4.81 | 5.02 | 5.24 | 5.49 | 5.71 | 2.87 | 6.07 | 7.14 | 8.33 | 8.75 | 99.6 | 9.72 | 10.60 | 12.02 | 13.05 | 13.77 | ı |
| | (q, | | Total | 122,480 | 121,964 | 124,793 | 128,585 | 132,195 | 125,937 | 122,300 | 118,247 | 120,623 | 119,118 | 118,267 | 120,615 | 121,290 | 120,452 | 117,122 | 119,052 | 120,275 | 121,512 | 123,625 | 125,839 | 126,112 | 129,673 | |
| | Utilization (mil lb) | | Export and shipments⁴ | 1,029 | 932 | 1,718 | 5,493 | 7,454 | 2,358 | 1,208 | 824 | 1,771 | 1,419 | 964 | 3,120 | 2,205 | 1,302 | 1,155 | 1,048 | 1,030 | 966 | 985 | 1,021 | 993 | 3,929 | |
| | ם | | disap- pearance | 121,451 | 121,032 | 123,075 | 123,092 | 124,741 | 123,579 | 121,092 | 117,423 | 118,852 | 117,699 | 117,303 | 117,495 | 119,085 | 119,150 | 115,967 | 118,004 | 119,245 | 120,517 | 122,643 | 124,818 | 125,119 | 125,744 | |
| | | | Total | 127,880 | 131,867 | 136,949 | 138,273 | 137,485 | 130,393 | 127,159 | 126,499 | 127,257 | 124,363 | 124,073 | 125,688 | 126,792 | 124,853 | 122,910 | 122,855 | 125,926 | 130,273 | 132,532 | 134,562 | 139,238 | 148,225 | |
| | | | Imports | 604 | 200 | 795 | 915 | 830 | 923 | 2,791 | 2,908 | 1,780 | 1,621 | 1,874 | 1,346 | 1,694 | 3,860 | 2,923 | 1,669 | 1,943 | 1,968 | 2,310 | 2,305 | 2,109 | 2,329 | |
| nil Ib) | | | Production | 123,109 | 125,707 | 126,251 | 125,202 | 126,967 | 124,180 | 119,912 | 118,732 | 117,225 | 116,108 | 117,007 | 118,566 | 120,025 | 115,491 | 115,586 | 115,398 | 120,180 | 122,654 | 121,461 | 123,350 | 128,406 | 132,770 | |
| Supply (mil lb) | | | Beginning stocks | 4,167 | 5,400 | 9,903 | 12,156 | 9,688 | 5,290 | 4,456 | 4,859 | 8,252 | 6,634 | 5,192 | 5,776 | 5,073 | 5,502 | 4,401 | 5,788 | 3,803 | 5,651 | 8,761 | 8,907 | 8,723 | 13,126 | |
| | Milk | production | per cow³ (Ib) | 7,029 | 7,290 | 7,496 | 7,700 | 8,099 | 8,305 | 8,522 | 8,851 | 9,135 | 9,434 | 9,751 | 10,015 | 10,259 | 10,119 | 10,293 | 10,360 | 10,894 | 11,206 | 11,243 | 11,488 | 11,889 | 12,177 | |
| \$ • | Average | number of | milk cows (1,000 head) | 17,515 | 17,243 | 16,842 | 16,260 | 15,677 | 14,953 | 14,071 | 13,415 | 12,832 | 12,307 | 12,000 | 11,839 | 11,700 | 11,413 | 11,230 | 11,139 | 11,032 | 10,945 | 10,803 | 10,743 | 10,810 | 10,923 | |
| | | | Year | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | |

Table A-8 continued.

Milk: Supply, utilization, and prices, 1960-94

| Supply (mil 1b) Milk Utilization (mil 1b) |
|---|
| production |
| Beginning |
| (lb) stocks Production Imports Total |
| 18,552 135,505 2 |
| 20,296 139,588 |
| 12,503 22,851 135,351 2,741 160,943 |
| 94 16,784 143,012 2,776 162,572 |
| 13,682 143,124 |
| 12,922 142,709 |
| 7,473 |
| 144,239 |
| 9,036 148,313 2 |
| 31 13,359 148,477 2,625 164,461 |
| 15,840 151,647 2,521 |
| 04 14,214 150,954 2,806 167,974 |
| 9,570 153,622 2 |

¹Supply-utilization data, milk equivalent fat solids bases. ²Average number on farms during the year; heifers that have not freshened excluded. ³Excludes milk sucked by calves. ⁴Includes sales for dollars, government-to-government sales P.L. 480, and AID programs. Exports only beginning 1988. ⁵Pounds of average concentrate ration equal in value to 1 pound of milk.

Glossary of Agricultural Terms

Acid soil. Soil with a pH of less than 7.0.

Acreage reduction program (ARP). A voluntary land retirement program conducted by the Commodity Credit Corporation (CCC) in which participating farmers idle a prescribed portion of their crop acreage base of wheat, feed grains, cotton, or rice. The base is the average of the acreage planted for harvest and considered to be planted for harvest for the previous 5 years. Acreage considered to be planted includes any acreage not planted because of acreage reduction and diversion programs during a period specified by law. Farmers are not given a direct payment for ARP participation, although they must participate to be eligible for benefits such as CCC loans and deficiency payments. Participating producers are sometimes offered the option of idling additional land under a paid diversion program, which gives them a specific payment for each idled acre.

Advance deficiency payments. A portion of eligible deficiency payments made to crop producers when they sign up for Federal commodity programs. The Secretary is required to make advance payments when an ARP is in effect and deficiency payments are expected to be paid. Advance deficiency payments can range from 30 to 50 percent of expected payments, depending on the crop. Up to 50 percent of the advance payment may be made as commodity certificates. If total deficiency payments are less than the advance amount, producers must refund the excess portion.

Agricultural Adjustment Act of 1933 (P.L. 73-10) Signed May 12, 1933, this law introduced the price support programs, including production adjustments, and the incorporation of the Commodity Credit Corporation (CCC), under the laws of the State of Delaware on October 17, 1933. The program benefits were financed mostly by processing taxes on the specific commodity. The act also made price support loans by the CCC mandatory for the designated "basic" (storable) commodities: corn, wheat, and cotton.

Support for other commodities was authorized upon the recommendation by the Secretary of Agriculture with the President's approval. Commodity loan programs carried out by the CCC from 1933 to 1937 included programs for cotton, corn, turpentine, rosin, tobacco, peanuts, dates, figs, and prunes. The production control and processing taxes were later declared unconstitutional by the Supreme Court in 1936.

Agricultural Adjustment Act of 1938 (P.L. 75-430). Signed February 16, 1938, this law was the first to make price support mandatory for corn, cotton, and wheat to help maintain a sufficient supply for low production times along with marketing quotas to keep supply in line with market demand. It also established permissive supports for butter, dates, figs, hops, turpentine, rosin, pecans, prunes, raisins, barley, rye, grain sorghum, wool, winter cover-crop seeds, mohair, peanuts, and tobacco for the 1938-40 period. This act established the Federal Crop Insurance Corporation as a Government corporation. The 1938 Act is considered part of permanent agriculture legislation. Provisions of this law are often superseded by more current legislation. However, if the current legislation expires and new legislation is not enacted, the law reverts back to the permanent provisions of the 1938 Act, along with the Agricultural Act of 1949.

Agronomy. The science of crop production and soil management.

Alfalfa. A valuable leguminous crop for forage or hay used in livestock feeding.

Alkaline soil. Soil with a pH of more than 7.0.

Alternative farming. Production methods other than energy- and chemical-intensive one-crop (monoculture) farming. Alternatives include using animal and green manure rather than chemical fertilizers, integrated pest management instead of chemical pesticides, reduced tillage, crop rotation (especially with legumes to add nitrogen), alternative crops, or diversification of the farm enterprise.

Animal unit. A standard measure based on feed requirements, used to combine various classes of livestock according to size, weight, age, and use.

Aquaculture. The production of aquatic plants or animals in a controlled environment, such as ponds, raceways, tanks, or cages, for all or part of their life cycle. In the United States, baitfish, catfish, clams, crawfish, freshwater prawns, mussels, oysters, salmon, shrimp, tropical (or ornamental) fish, and trout account for most of the aquacultural production. Less widely established but growing species include alligator, hybrid striped bass, carp, eel, red fish, northern pike, sturgeon, and tilapia.

Arid climate. A dry climate with an annual precipitation usually less than 10 inches. Not suitable for crop production without irrigation.

Artificial insemination (AI). The mechanical injection of semen into the womb of the female animal with a syringe-like apparatus.

Back hoe. A shovel mounted on the rear of a tractor, hydraulically operated to dig trenches or pits in soil.

Basic commodities. Six crops (corn, cotton, peanuts, rice, tobacco, and wheat) that are covered by legislated price support programs.

Biological control of pests. Control, but not total eradication, of insect pests achieved by using natural enemies, either indigenous or imported, or diseases to which the pest is susceptible. It includes such nontoxic pesticides as *Bacillus thuringiensis* (*Bt*).

Biologics. Immunization materials made from living or "killed" organisms and their products used for the detection and prevention of diseases; includes serums, vaccines, bacterins, antigens, and antitoxins.

Biotechnology. The use of technology, based on living systems, to develop processes and products for commercial, scientific, or other purposes. These include specific techniques of plant regeneration and gene manipulation and transfer (see also *genetic engineering*).

Blended credit. A form of export subsidy which combines direct government export credit and credit guarantees to reduce the effective interest rate.

Brucellosis A contagious disease in beef and dairy cattle, which causes abortion. Same disease in humans is known as undulant fever.

BST (bovine somatotropin) (also called BGH, for bovine growth hormone). A protein hormone produced naturally in the pituitary gland of cattle. Recombinant BST, or rBST, is BST produced using recombinant DNA biotechnology. BST controls the amount of milk produced by cows.

Cargo preference. A law that requires a certain portion of goods or commodities financed by the U.S. Government to be shipped on U.S. flag ships. The law has traditionally applied to P.L. 480 and other concessional financing or donations programs.

Carryover. Existing supplies of a farm commodity not used at the end of a marketing year, and remaining to be carried over into the next year. Marketing years generally start at the beginning of a new harvest for a commodity, and extend to the same time in the following year.

Cash grain farm. A farm on which corn, grain sorghum, small grains, soybeans, or field beans and peas account for at least 50 percent of value of products sold.

Census of Agriculture. A count taken by the U.S. Bureau of the Census every 5 years (including 1987 and 1992) of the number of farms, land in farms, crop acreage and production, livestock numbers and production, farm spending, farm facilities and equipment, farm tenure, value of farm products sold, farm size, type of farm, etc. Data are obtained for States and counties.

Checkoff programs. Research and promotion programs authorized by law and financed by assessments. The programs are paid for by specified industry members such as producers, importers, and handlers.

Combine. A self-propelled machine for harvesting grain and other seed crops. In one operation, it cuts, threshes, separates, and cleans the grain and scatters the straw.

Commodity certificates. Payments issued by the Commodity Credit Corporation (CCC) in lieu of cash payments to program participants. Holders of the certificates may exchange them with the CCC for CCC-owned commodities.

Commodity Credit Corporation (CCC). A federally owned and operated corporation within USDA. The CCC was created to stabilize, support, and protect farm income and prices through loans, purchases, payments, and other operations. The CCC functions as the financial institution through which all money transactions are handled for agricultural price and income support and related programs. The CCC also helps maintain balanced, adequate supplies of agricultural commodities and helps in their orderly distribution. The CCC does not have any operating personnel or facilities.

Complementary imports. Agricultural import items not produced in appreciable commercial volume in the United States, such as bananas, coffee, rubber, cocoa, tea, spices, and cordage fiber (see also *supplementary imports*).

Compost. Organic residues, or a mixture of organic residues and soil, which have been piled, moistened, and allowed to undergo biological decomposition for use as a fertilizer.

Concessional sales. Credit sales of a commodity in which the buyer is allowed more favorable payment terms than those on the open market. For example, Title I of the Food for Peace Program (P.L. 480) provides for financing sales of U.S. commodities with low-interest, long-term credit.

Conservation district. Any unit of local government formed to carry out a local soil and water conservation program.

Conservation plan. A combination of land uses and practices to protect and improve soil productivity and to prevent soil deterioration. A conservation plan must be approved by the local conservation district for acreage offered in the Conservation Reserve Program. The plan sets forth the conservation measures and maintenance that the owner or operator will carry out during the term of the contract.

Conservation practices. Methods which reduce soil erosion and retain soil moisture. Major conservation practices include conservation tillage, crop rotation, contour farming, stripcropping, terraces, diversions, and grassed waterways.

Conservation Reserve Program (CRP). A program authorized by the Food Security Act of 1985, designed to reduce erosion on 40-45

million acres of U.S. farmland. Under the program, producers who sign contracts agree to convert highly erodible cropland to approved conservation uses for 10 years. In exchange, participating producers receive annual rental payments and cash or payments-in-kind to share up to 50 percent of the cost of establishing permanent vegetative cover.

Conservation tillage. Any of several farming methods that provide for seed germination, plant growth, and weed control yet maintain effective ground cover throughout the years and disturb the soil as little as possible. The aim is to reduce soil loss and energy use while maintaining crop yields and quality. No-till is the most restrictive (soil-conserving) form of conservation tillage. Other practices include ridge-till, strip-till, and mulch-till.

Contour farming. Field operations such as plowing, planting, cultivating, and harvesting on the contour, or at right angles to the natural slope, to reduce soil erosion, protect soil fertility, and use water more efficiently.

Cooperative. An organization formed for the purpose of producing and marketing goods or products owned collectively by members who share in the benefits.

Cooperative Extension System. A system of State, local, and Federal organizations working together to provide practical educational services outside the classroom on agriculture, household management, and other topics. States participate mostly through their Land-Grant Universities, while the Federal partner is USDA's Extension Service.

Cost of production. The sum, measured in dollars, of all purchased inputs and other expenses necessary to produce farm products. Cost of production statistics may be expressed as an average per animal, per acre, or per unit of production (bushel, pound, or hundredweight) for all farms in an area or in the country.

County extension agent. A worker who is jointly employed by the county, State Cooperative Extension Service, and the U.S. Department of Agriculture's Extension Service, to bring agricultural and homemaking information to local people and to help them resolve farm, home, and community

problems. Also called extension agent, farm and home advisor, agricultural agent, extension home economist, and 4-H or youth agent.

Cover crop. A close-growing crop grown to protect and improve soils between periods of regular crops or between trees and vines in orchards and vineyards.

Crop rotation. The practice of growing different crops in recurring succession on the same land. Crop rotation plans are usually followed for the purpose of increasing soil fertility and maintaining good yields.

Crop year. The year in which a crop is harvested. For wheat, barley, and oats, the crop year is from June 1 to May 31. For corn, sorghum, and soybeans, it is from September 1 to August 31. For cotton, peanuts, and rice, the crop year is from August 1 to July 31.

Custom work. Specific farm operations performed under contract between the farmer and the contractor. The contractor furnishes labor, equipment, and materials to perform the operation. Custom harvesting of grain, spraying and picking of fruit, and sheep shearing are examples of custom work.

Deficiency payment. A payment made by the Commodity Credit Corporation to farmers who participate in wheat, feed grain, rice, or cotton programs. The payment rate is per bushel, pound, or hundredweight. It is based on the difference between the price level established by law (target price) and the higher of (1) the price support (loan) rate, and (2) the market price during a period specified by law.

Developing countries. Countries whose economies are mostly dependent on agriculture and primary resources and that do not have a strong industrial base. These countries generally have a gross national product below \$1,890 per capita (as defined by the World Bank in 1986). The term is often used synonymously with less-developed and underdeveloped countries.

Disaster payments. Federal payments made to farmers because of a natural disaster when (1) planting is prevented or (2) crop yields are abnormally low because of adverse weather and related conditions. Disaster payments may be provided under existing legislation or

under special legislation enacted after an extensive natural disaster.

Distance Education. Delivery of instructional material over a wide geographical area via one or more technologies, including video, computer, and laser.

DNA. Deoxyribonucleic acid, a polymeric chromosomal constituent of living cell nuclei, composed of deoxyribose (a sugar), phosphoric acid, and four nitrogen bases—adenine, cytosine, guanine, and thymine. It contains the genetic information for living organisms, and consists of two strands in the shape of a double helix. A gene is a piece of DNA.

Double crop. Two different crops grown on the same area in one growing season.

Dryland farming. A system of producing crops in semiarid regions (usually with less than 20 inches of annual rainfall) without the use of irrigation. Frequently, part of the land will lie fallow in alternate years to conserve moisture.

Erosion. The process in which water or wind moves soil from one location to another. Types of erosion are (1) sheet and rill—a general washing away of a thin uniform sheet of soil, or removal of soil in many small channels or incisions caused by rainfall or irrigation runoff; (2) gully—channels or incisions cut by concentrated water runoff after heavy rains; (3) ephemeral—a water-worn, short-lived or seasonal incision, wider, deeper and longer than a rill, but shallower and smaller than a gully; and (4) wind—the carrying away of dust and sediment by wind in areas of high prevailing winds or low annual rainfall.

Ethanol. An alcohol fuel that may be produced from an agricultural foodstock such as corn, sugarcane, or wood, and may be blended with gasoline to enhance octane, reduce automotive exhaust pollution, and reduce reliance on petroleum-based fuels.

Extra-long staple (ELS) cotton. Cottons having a staple length of 1-3/8 inches or more, according to the classification used by the International Cotton Advisory Committee. This cotton is also characterized by fineness and high-fiber strength, contributing to finer and stronger yarns needed for thread and higher valued fabrics. American

types include American Pima and Sea Island cotton.

Family Farm. An agricultural business which (1) produces agricultural commodities for sale in such quantities so as to be recognized as a farm rather than a rural residence; (2) produces enough income (including offfarm employment) to pay family and farm operating expenses, to pay debts, and to maintain the property; (3) is managed by the operator; (4)has a substantial amount of labor provided by the operator and family; and (5) may use seasonal labor during peak periods and a reasonable amount of full-time hired labor.

Farm. A tract or tracts of land, with improvements, available to produce crops or livestock, including fish. The Bureau of the Census defined a farm in 1978 as any place that has \$1,000 or more in gross sales of farm products per year.

Farm Credit System. The system made up of cooperatively owned financial institutions in districts covering the United States and Puerto Rico that finance farm and farm-related mortgages and operating loans. Institutions within each district specialize in farmland loans and operating credit, or lending to farmer-owned supply, marketing, and processing cooperatives. FCS institutions rely on the bond market as a source of funds.

Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) (P.L. 80-104). Signed June 25, 1947, this law required the registration of pesticide products to ensure that they meet stated health, safety, and environment criteria. Amendments to the law required previously registered pesticides to be reregistered by 1997 to meet updated standards. The Environmental Protection Agency, which administers FIFRA, can cancel registration of pesticides not meeting the required criteria, require label changes, or order immediate termination of use.

Federal land bank associations. Local farmer-owned organizations through which farmers obtain long-term (up to 40 years) loans on land. The associations are an integral part of the Farm Credit System.

Federal marketing orders and agreements. USDA is authorized to issue marketing orders and agreements for a variety of agricultural

commodities and their products. Marketing orders have been established for milk, fruits and vegetables, and other commodities. The orders may regulate the handling of fruits and vegetables in a variety of ways including limiting quantities that may be marketed, or establishing grade, size, maturity, or quality requirements.

Feed grain. Any of several grains most commonly used for livestock or poultry feed, including corn, grain sorghum, oats, rye, and barley.

Fertilizer. Any organic or inorganic material of natural or synthetic origin which is added to soil to provide nutrients, including nitrogen, phosphorus, and potassium, necessary to sustain plant growth.

FFA. An organization for high school students studying vocational agriculture.

Flood plains. Lowland and relatively flat areas adjoining inland and coastal waters, including floodprone areas of islands. This land includes, at a minimum, those areas that are subject to a 1 percent or greater chance of flooding in any given year.

The Food, Agriculture, Conservation, and Trade Act of 1990 (P.L. 101-624). Signed November 28, 1990, the 5-year farm bill continues to move agriculture in a market-oriented direction. It freezes minimum target prices and allows more planting flexibility. New titles include rural development, forestry, fruit and vegetable, grain quality, organic certification, global climate change, and commodity promotion programs.

Food grain. Cereal seeds most commonly used for human food, chiefly wheat and rice.

Forage. Vegetable matter, fresh or preserved, that is gathered and fed to animals as roughage; includes alfalfa hay, corn silage, and other hay crops.

Forward contracting. A method of selling crops before harvest by which the buyer agrees to pay a specified price to a grower for a portion, or all, of the grower's crops.

Fungicide. A chemical substance used as a spray, dust, or disinfectant to kill fungi infesting plants or seeds.

Futures contract. An agreement between two people, one who sells and agrees to deliver and one who buys and agrees to

receive a certain kind, quality, and quantity of product to be delivered during a specified delivery month at a specified price.

Genetic engineering. Genetic modification of organisms by recombinant DNA, recombinant RNA, or other specific molecular gene transfer or exchange techniques.

Genome. All the genetic material in the chromosomes of a particular organism.

Gleaning. Collecting of unharvested crops from the fields, or obtaining agricultural products from farmers, processors, or retailers without charge.

Gopher. The Internet Gopher client/server is a distributed information delivery system around which a campuswide information system can readily be constructed. While providing a delivery vehicle for local information, Gopher facilitates access to other Gopher and information servers throughout the world.

Grade A milk. Milk, also referred to as fluid grade, produced under sanitary conditions that qualify it for fluid (beverage) consumption. Only Grade A milk is regulated under Federal milk marketing orders.

Grade B milk. Milk, also referred to as manufacturing grade, not meeting Grade A standards. Less stringent standards generally apply.

Grafting. The process of inserting a scion of a specified variety into a stem, root, or branch of another plant so that a permanent union is achieved.

Great Plains. A level to gently sloping region of the United States that lies between the Rockies and approximately the 98th meridian. The area is subject to recurring droughts and high winds. It consists of parts of North Dakota, South Dakota, Montana, Nebraska, Wyoming, Kansas, Colorado, Oklahoma, Texas, and New Mexico.

Green manure. Any crop or plant grown and plowed under to improve the soil, by adding organic matter and subsequently releasing plant nutrients, especially nitrogen.

Ground water. Water beneath the Earth's surface between saturated soil and rock, which supplies wells and springs.

Hedgerow. Trees or shrubs grown closely together so that branches intertwine to form a continuous row.

Herbicide. Any agent or chemical used to destroy plants, especially weeds.

Humus. The well decomposed, relatively stable portion of the partly or wholly decayed organic matter in a soil, which provides nutrients and helps the soil retain moisture.

Hydroponics. Growing of plants in water containing dissolved nutrients, rather than in soil. This process is being used in greenhouses for intensive off-season production of vegetables.

Infrastructure. The transportation network, communications systems, financial institutions, and other public and private services necessary for economic activity.

Integrated crop management. An agriculture management system that integrates all controllable agricultural production factors for long-term sustained productivity, profitability, and ecological soundness.

Integrated pest management (IPM). The control of pests or diseases by using an array of crop production strategies, combined with careful monitoring of insect pests or weed populations and other methods. Some approaches include selection of resistant varieties, timing of cultivation, biological control methods, and minimal use of chemical pesticides so that natural enemies of pests are not destroyed. These approaches are used to anticipate and prevent pests and diseases from reaching economically damaging levels.

International trade barriers. Regulations used by governments to restrict imports from other countries. Examples include tariffs, embargoes, import quotas, and unnecessary sanitary restrictions.

Internet. The global connection of interconnected local, mid-level, and wide-area automated information/communications networks

Land-Grant universities. Institutions, including State colleges and universities and Tuskegee University, eligible to receive funds under the Morrill Acts of 1862 and 1890. The Federal Government granted land to each State and territory to encourage practical education in agriculture, homemaking, and mechanical arts.

Land-use planning. Decisionmaking process to determine present and future uses of land. The resulting plan is the key element of a comprehensive plan describing recommended location and intensity of development of public and private land uses such as residential, commercial, industrial, recreation and agricultural.

Leaching. The process of removal of soluble materials by the passage of water through soil.

Legumes. A family of plants that includes many valuable food and forage species such as peas, beans, soybeans, peanuts, clovers, alfalfas, and sweet clovers. Legumes can convert nitrogen from the air to nitrates in the soil through a process known as nitrogen fixation. Many of these species are used as cover crops and are plowed under for soil improvement.

Lint. Cotton fiber remaining after the seeds have been ginned out.

Loan deficiency payments. Commodity Credit Corporation payments provided to producers who, although eligible to obtain a marketing loan for a wheat, feed grains, upland cotton, rice, or oilseed crop, agree to forgo obtaining the loan. The payment is determined by multiplying the loan payment rate by the amount of commodity eligible for loan. The payment rate per unit is the announced loan level minus the repayment level used in the marketing loan.

Loan rate (also called price support rate). The price per unit (bushel, bale, pound, or hundredweight) at which the Commodity Credit Corporation will provide loans to farmers enabling them to hold their crops for later sale.

Low-Input Sustainable Agriculture

(LISA). Alternative methods of farming that reduce the application of purchased inputs such as fertilizer, pesticides, and herbicides. The goals of these alternative practices are to diminish environmental hazards while maintaining or increasing farm profits and productivity. Methods include crop rotations and mechanical cultivations to control weeds; integrated pest management strategies such as introducing harmless natural enemies; planting legumes that transform nitrogen from the air into a form plants can use; application of

livestock manures, municipal sludge, and compost for fertilizer; and overseeding of legumes into maturing fields of grain crops, or as post-season cover crops to curtail soil erosion.

Market basket of farm foods. Average quantities of U.S. farm foods purchased annually per household in a given period. Retail cost of these foods used as a basis for computing an index of retail prices for domestically produced farm foods. Excluded are fishery products, imported foods, and meals eaten away from home.

Marketing spread. The difference between the retail price of a product and the farm value of the ingredients in the product. This farm-retail spread includes charges for assembling, storing, processing, transporting, and distributing the products.

Marketing year. Year beginning at harvest time during which a crop moves to market.

Metropolitan statistical area (MSA). A county or group of contiguous counties that contain at least one city of 50,000 inhabitants or more, or twin cities with a combined population of at least 50,000. In addition, contiguous counties are included in an MSA if they are socially and economically integrated with a central city.

Migrant farmworker. A person who travels across State or county boundaries to do agricultural work of a seasonal or other temporary nature, and who is required to be absent overnight from his or her permanent place of residence. Exceptions are immediate family members of an agricultural employer or a farm labor contractor, and temporary foreign workers

National forest. A Federal reservation dedicated to protection and management of natural resources for a variety of benefits—including water, forage, wildlife habitat, wood, recreation, and minerals. National forests are administered by USDA's Forest Service, while national parks are administered by the Interior Department's National Park Service.

National grassland. Land, mainly grass and shrub cover, administered by the Forest Service as part of the National Forest System for promotion of grassland agriculture, watersheds, grazing wildlife, and recreation.

Nematode. Microscopic soil worm, which may attack root or other structures of plants and cause extensive damage.

Net farm income. A measurement of the profit or loss associated with a given year's production. It is an approximation of the net value of agricultural production, regardless of whether the commodities were sold, fed, or placed in inventory during the year. Net farm income equals the difference between gross farm income and total expenses. It includes nonmoney items such as depreciation, the consumption of farm-grown food, and the net imputed rental value of operator dwellings. Additions to inventory are treated as income.

Network. A group of machines connected together so they can transmit information to one another. There are two kinds of networks: local networks and remote networks.

Nitrogen. A chemical element essential to life and one of the primary plant nutrients. Animals get nitrogen from protein feeds; plants get it from soil; and some bacteria get it directly from air.

Nonfarm income. Includes all income from nonfarm sources (excluding money earned from working for other farmers) received by farm operator households.

Nonpoint source pollution. Pollutants that cannot be traced to a specific source, including stormwater runoff from urban and agricultural areas.

Nonprogram crops. Crops—such as potatoes, vegetables, fruits, and hay—that are not included in Federal price support programs.

Nonrecourse loans. The major price support instrument used by the Commodity Credit Corporation to support the price of wheat, feed grains, cotton, rice, honey, sugar, peanuts, and tobacco. Farmers who agree to comply with all commodity program provisions may pledge a quantity of a commodity as collateral and obtain a loan from the CCC. The borrower may elect either to repay the loan with interest within a specified period and regain control of the collateral commodity, or to forfeit it to the CCC. In case of a forfeiture, the borrower forfeits without penalty the collateral to the CCC and the CCC accepts it as satisfaction of the loan. This includes the accumulated interest,

regardless of the price of the commodity in the market at the time of forfeiture.

Normal flex acreage. This provision of the Omnibus Budget Reconciliation Act of 1990 (P.L. 101-508) requires a mandatory 15-percent reduction in payment acreage. Under this provision, producers are ineligible to receive deficiency payments on 15 percent of their crop acreage base (not including any acreage removed from production under any production adjustment program). Producers, however, are allowed to plant any crop on this acreage, except fruits and vegetables.

Nutrient. A chemical element or compound that is essential for the metabolism and growth of an organism.

Off-farm income. Includes wages and salaries from working for other farmers, plus non-farm income, for all owner operator families (whether they live on a farm or not).

Oilseed crops. Primarily soybeans, and other crops such as peanuts, cottonseed, sunflower seed, flaxseed, safflower seed, rapeseed, sesame seed, castor beans, canola, rapeseed, and mustard seeds used to produce edible and/or inedible oils, as well as high-protein animal meal.

Oilseed meal. The product obtained by grinding the cakes, chips, or flakes that remain after most of the oil is removed from oilseeds. Used as a feedstuff for livestock and poultry.

Optional flex acreage. Under the planting flexibility provision of the 1990 Farm Act, producers can choose to plant up to 25 percent of the crop acreage base to other Commodity Credit Corporation-specified crops (except fruits and vegetables) without a reduction in crop acreage bases on the farm, but receiving no deficiency payments on this acreage. The Omnibus Budget Reconciliation Act of 1990 (P.L. 101-508) made a 15-percent reduction in payment acreage mandatory. The remaining 10 percent is the optional flex acreage.

Organic farming. There is no universally accepted definition, but in general organic farming is a production system which avoids or largely excludes the use of synthetically compounded fertilizers, pesticides, growth regulators, and livestock feed additives. To the maximum extent feasible, organic farming systems rely on crop rotation, crop residues, animal manures, legumes, green

manure, off-farm organic wastes, mechanical cultivation, mineral bearing rocks, and aspects of biological pest control to maintain soil productivity and tilth, to supply plant nutrients and to control weeds, insects, and other pests.

Parity. Equality in the present purchasing power of a unit (bushel, cwt) of a product compared with its purchasing power during the period 1910-14. Parity price for any commodity equals its 10-year average price multiplied by the ratio of the current Parity Index compared to the 10-year average of Prices Received Index. The Parity Index reflects prices paid by farmers for items of production and family living, including interest, taxes, and wage rates. Both Parity Index and Prices Received Index are expressed on a base of 1910-14 equaling 100. The near threefold gains in farm productivity are not reflected in parity prices.

Parity Ratio. A measure of relative purchasing power of farm products. The ratio between index of prices received by farmers for all farm products and index of prices paid by farmers for commodities and services used in farm production and family living. The parity ratio measures price relationships (prices received and prices paid). It does not measure farm income or farmers' total purchasing power. It does not reflect farmers' off-farm income, Government payments, or farmers' assets.

Payment limitations. Limitations set by law on the amount of money any one person may receive in Federal farm program payments each year under the feed grain, wheat, cotton, rice, and other farm programs.

Percolation. The downward movement of water through soil under the influence of gravity.

Plant germplasm. Living material such as seeds, rootstock, or leaf plant tissue from which new plants can grow.

Pomology. The science or study of growing fruit.

Price index. An indicator of average price change for a group of commodities that compares price for those same commodities in some other period, commonly called the base period.

Price support level. The price for a unit of a farm commodity (bushel, pound) that the Government will support through price-support loans, purchases, and/or payments. Price support levels are determined by law and are set by the Secretary of Agriculture.

Price support programs. Government programs that aim to keep farm prices received by participating producers from falling below specific minimum levels. Price support programs for major commodities are carried out by providing loans and purchase agreements to farmers so that they can store their crops during periods of low prices. The loans can later be redeemed if commodity prices rise sufficiently to make the sale of the commodity on the market profitable, or the farmer can forfeit the commodity to the Commodity Credit Corporation (CCC). With a purchase agreement, the producer may sell the commodity to the CCC.

Production Credit Associations. Lending groups, owned by their farmer-borrowers, that provide short and intermediate-term loans for up to 10 years from funds obtained from investors in money markets. These associations are an integral part of the Farm Credit System.

Productive capacity. The amount that could be produced within the next season if all the resources currently available were fully employed using the best available technology. Productive capacity increases whenever the available resources increase or the production of those resources increases.

Productivity. The relationship between the quantity of inputs (land, labor, tractors, feed, etc.) employed and the quantity of outputs produced. An increase in productivity means that more outputs can be produced from the same inputs or that the same outputs are produced with fewer inputs. Both single-factor and multifactor indexes are used to measure productivity. Single-factor productivity indexes measure the output per unit of one input at the same time other inputs may be changing. Multifactor productivity indexes consider all productive resources as a whole, netting out the effects of substitution among inputs. Crop yield per acre, output per work hour, and livestock production per breeding animal are all single-factor productivity indicators. The Total Farm Output per Unit of Input Index is a multifactor measure.

Public Law 480 (PL-480). Common name for the Agricultural Trade Development and Assistance Act of 1954, which seeks to expand foreign markets for U.S. agricultural products, combat hunger, and encourage economic development in developing countries. Title I of the Food for Peace Program, as it is called, makes U.S. agricultural commodities available through long-term dollar credit sales at low interest rates for up to 40 years. Donations for emergency food relief needs are provided under Title II. Title III authorizes "food for development" grants.

Rangeland. Land which is predominantly grasses, grasslike plants, or shrubs suitable for grazing and browsing. Rangeland includes natural grasslands, savannahs, many wetlands, some deserts, tundra, and certain shrub communities. It also includes areas seeded to native or adapted and introduced species that are managed like native vegetation.

Renewable resources. Resources such as forests, rangeland, soil, and water that can be restored and improved.

Riparian rights. Legal water rights of a person owning land containing or bordering on a water course or other body of water in or to its banks, bed, or waters.

RNA (**ribonucleic acid**). A molecule similar to DNA that functions primarily to decode instructions for protein synthesis that are carried by genes.

Ruminant. Animal having a stomach with four compartments (rumen, reticulum, omasum, and abomasum). Their digestive process is more complex than that of animals having a true stomach. Ruminants include cattle, sheep and goats, as well as deer, bison, buffalo, camels, and giraffes.

Rural. An area that has a population of fewer than 2,500 inhabitants and is outside an urban area. A rural area does not apply only to farm residences or to sparsely settled areas, since a small town is rural as long as it meets the above criteria.

Saline soil. A soil containing enough soluble salts to impair its productivity for plants.

Set-aside. The acreage a farmer must devote to soil conserving uses (such as grasses, legumes, and small grain that is not allowed to mature), in order to be eligible for production adjustment payments and price-support loans and purchases.

Silage. Prepared by chopping green forage (grass, legumes, field corn, etc.) into an airtight chamber, where it is compressed to exclude air and undergoes an acid fermentation that retards spoilage. Contains about 65 percent moisture.

Silviculture. A branch of forestry dealing with the development and care of forests.

Sodbuster. A provision authorized by the Food Security Act of 1985 which is designed to discourage the conversion of highly erodible land from extensive conserving uses to intensive agricultural production. If highly erodible grassland or woodland is used for crop production without appropriate conservation measures, producers may lose eligibility for participation in many USDA programs.

Staple. Term used to designate length of fiber in cotton, wool, or flax.

State Agricultural Experiment Station.

State-operated institutions, established under the Hatch Act of 1887 and connected to landgrant universities in each State, which carry out research of local and regional importance in the areas of food, agriculture, and natural resources.

Stubble mulch. A protective cover provided by leaving plant residues of any previous crop as a mulch on the soil surface when preparing for the following crop.

Subsistence farm. A low-income farm where the emphasis is on production for use of the operator and the operator's family rather than for sale.

Supplementary imports. Farm products shipped into this country that add to the output of U.S. agriculture. Examples include cattle, meat, fruit, vegetables, and tobacco (see *complementary imports*).

Sustainable agriculture. An integrated system of plant and animal production practices having a site-specific application that will, over the long term, satisfy food and fiber needs; enhance environmental quality and

natural resources; make the most efficient use of nonrenewable resources and on-farm resources; integrate natural biological cycles and controls; sustain the economic viability of farm operations; and enhance the quality of life.

Swampbuster. This provision was authorized by the Food Security Act of 1985; it discourages the conversion of natural wetlands to cropland use. With some exceptions, producers converting a wetland area to cropland may lose eligibility for many USDA program benefits.

Target prices. A price level established by law for wheat, corn, sorghum, barley, oats, rice, and upland and extra-long-staple cotton. Farmers participating in Commodity Credit Corporation commodity programs receive the difference between the target price and either the market price during a period prescribed by law or the price support (loan) rate, whichever is higher.

Terminal market. A metropolitan market that handles all agricultural commodities.

Tissue culture. The technique of growing a whole plant from a single engineered cell or piece of plant tissue.

Unit cost. The average cost to produce a single item. The total cost divided by the number of items produced.

Upland cotton. A fiber plant developed in the United States from stock native to Mexico and Central America. Includes all cotton grown in the continental United States except Sea Island and American Pima cotton. Staple length of upland cotton ranges from 3/4 inch to 1 1/4 inches.

Urban. A concept defining an area that has a population of 2,500 or more inhabitants.

Vegetative cover. Trees or perennial grasses, legumes, or shrubs with an expected lifespan of 5 years or more.

Viticulture. The science and practice of growing grapes.

Watershed. The total land area, regardless of size, above a given point on a waterway that contributes runoff water to the flow at that point. A major subdivision of a drainage basin. The United States is generally divided into 18 major drainage areas and 160 principal

river drainage basins containing some 12,700 smaller watersheds.

Water table. The upper limit of the part of the soil or underlying rock material that is wholly saturated with water.

Wetlands. Land that is characterized by an abundance of moisture and that is inundated by surface or ground water often enough to support a prevalence of vegetation typically adapted for life in saturated soil conditions.

Wholesale price index. Measure of average changes in prices of commodities sold in primary U.S. markets. "Wholesale" refers to sales in large quantities by producers, not to prices received by wholesalers, jobbers, or distributors. In agriculture, it its the average price received by farmers for their farm commodities at the first point of sale when the commodity leaves the farm.

Zoonotic diseases. Diseases that, under natural conditions, are communicable from animals to humans

4-H. Club for young people (9-19 years old) sponsored by the Agricultural Extension Service to foster agricultural, homemaking, and other skills. The 4 H's stand for Head, Heart, Hands, and Health.

0/92. A USDA acreage diversion program provision that allows wheat and feed grain producers to devote all or a portion of their permitted acreage to conserving uses and receive deficiency payments on that acreage. The program makes deficiency payments for a maximum of 92 percent of a farm's maximum payment acreage. Under other types of acreage diversion programs, such as acreage reduction programs, producers cannot receive deficiency payments unless permitted acres are devoted to producing a crop.

50/92. A USDA acreage diversion program provision that allows cotton and rice growers who plant at least 50 percent of their permitted acreage to receive 92 percent of their deficiency payments under certain conditions.

1890 Land-Grant Colleges and Universities and Tuskegee University.

Historically Black land-grant colleges and universities. Through the Act of August 30, 1890, and several other authorities, these institutions may receive Federal funds for agricultural research, extension, and teaching.