

Appendix E. Units of Weights, Measures, and Metric Conversion Factors

To convert the U.S. domestic units to metric units, use the following conversion factors:

Standard units

- 1 acre = 0.4047 hectare
- 1 square foot (sq. ft.) = 0.093 square meter
- 1 pound (avoirdupois) = 0.45359 kilograms
- 1 hundredweight (cwt) = 100 pounds = 45.359 kilograms
- 1 ton = 2000 pounds = 0.907 metric ton
- 1 gallon = 3.785 liters

This table contains the units of weights, measures, and conversion factors associated with the commodities shown. There are some variations among commodities in weight per unit of volume resulting from differences in size or variety of commodity.

| Commodity | Unit published | Approximate net weight | |
|-------------------------------|-----------------|------------------------|------------------|
| | | U.S. pounds | Metric kilograms |
| Barley for grain | Bushel | 48 | 21.772 |
| Buckwheat | Bushel | 48 | 21.772 |
| Corn for grain | Bushel, shelled | 56 | 25.401 |
| Cotton | Bale | 480 Lint | 217.724 |
| Dry cowpeas and southern peas | Bushel | 60 | 27.216 |
| Emmer and spelt | Bushel | 40 | 18.144 |
| Flaxseed | Bushel | 56 | 25.401 |
| Goat milk | Gallon | 8.6 | 3.895 |
| Oats for grain | Bushel | 32 | 14.515 |
| Proso millet | Bushel | 50 | 22.680 |
| Rye for grain | Bushel | 56 | 25.401 |
| Sorghum for grain | Bushel | 56 | 25.401 |
| Soybeans for beans | Bushel | 60 | 27.216 |
| Sweetpotatoes | Bushel | 55 | 24.948 |
| Triticale | Bushel | 56 | 25.401 |
| Wheat, all types | Bushel | 60 | 27.216 |