

FEED WEIGHTS, VOLUMES AND CONVERSIONS

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"A pound is a pound the world round." But either a "scoop" or a "coffee can" will not weigh the same if they are filled with shelled corn or ground corn. This is an example of why feed stuffs should be weighed in developing rations.

Feedstuffs come in many forms with varying weights and volumes. There are also many methods for measuring feeds such as weighing (metric or English systems) or by volume (bushels, gallons, liters, etc.) It is often helpful to understand how various methods for measuring feeds are related and how they may be converted.

Following are a few "practical" feed figuring numbers that cattle producers may find useful.

Feed	Lb. per Quart	Lb. per Bushel
Barley	1.5	48
Brewers' grain (dried)	0.6	19
Corn, shelled	1.8	56
Corn, cracked	1.6	50
Corn, ground	1.4	45
Cottonseed meal	1.5	48
Oats	1.0	32
Soybean meal	1.5	48
Wheat	1.9	60
Wheat bran	0.5	16

Useful Weight Conversions

1 lb. = 454 grams = 16 oz.

1 kg = 2.2 lb.

1 ton = 2,000 lb.

1 cwt = 100 lbs.

Abbreviations

bu = bushel

c = cup

cc = cubic centimeter

cu = cubic

ft = foot

gal = gallon

lb = pound

L = liter

kg = kilogram

mL = milliliter

oz = ounces

pk = peck

pt = pint

qt = quart

t = teaspoon

T = Tablespoon

U.S. Equivalentents

1 cu ft = 1,728 cu in

1 cu yd = 27 cu ft

3 t = 1 T

1 T = $\frac{1}{2}$ liquid oz

2 T = 1 liquid oz

4 T = $\frac{1}{4}$ c

8 T = $\frac{1}{2}$ c

1 c = $\frac{1}{2}$ pt

1 pt = 2 c or 16 oz

4 c = 1 qt

4 qt = 1 gal

1 gal = 32 oz

1 gal = 8.34 lb

8 qt = 1 pk

4 pk = 1 bu

Metric Equivalentents

1 cc = 1 mL

1 mL = .001 L

1L = 1000 cc

Additional information on beef cattle nutrition can be obtained by contacting your local Agricultural Extension Service office or from the Extension Beef, Sheep, Horse home page: www.utextension.utk.edu/ansci.