

Useful Rangeland Conversion Factors

Adapted from "Useful Conversion Factors in Rangeland Management"
by Mindy Pratt and G. Allen Rasmussen published in May 2001 as a Range
Management Fact Sheet (NR/RM/05) accessed at:
<http://www.extension.usu.edu/publica/natrpublish2.htm>

Area:

43560 ft² = 1 acre
2.471 ac = 1 hectare
1 acre = .405 hectare
640 acres = 1 mile² = 1 section
259 hectares = 1 mile²
1 hectare = 10,000 m² (or 100 by 100 m)

Linear:

5280 ft = 1 mile
1 mile = 1.6093 km
1 meter = 3.2808 feet
1 km = 0.6214 miles
1 foot = 0.3048 meters
1 inch = 2.54 cm
Speed (in mph) = distance traveled in feet × 0.682 time in seconds

Weight and Application Rate Equivalents:

16 ounces = 1 pound
28.35 grams = 1 ounces
1 kilogram = 2.2 lbs
1 pound = 0.454 kg
1 kilogram per hectare = 0.891 pounds per acre
1 pound per acre = 1.12 kilograms per hectare
1 pound/acre = 1.04 grams/100 feet²
1% = 10,000ppm = 8.34 lb a.e./100 gallon water

Volume and Liquid:

2 Tablespoons = 1 ounce dry weight (approx.)
2 cups = 1 pint
2 pints = 1 quart
4 quarts = 1 gallon
128 fluid ounces = 1 gallon = 231 in³
1 liter = .95 quarts = .47 pints