

Reference Guide for Texas Ranchers

Introduction

Common Conversions

Livestock Husbandry

Grazing Management

Rangeland Weed
and Brush Control

Seeding Rangeland

Additional References



Common Conversions

Area:

- 1 acre = 43,560 square feet, 209 feet X 209 feet, 69.5 X 69.5 yards
- 1/10 acre = 4,356 square feet, 66 feet X 66 feet, 22 yards X 22 yards
- 1/100 acre = 436 square feet, 21 feet X 21 feet, 7 yards X 7 yards
- 1 section = 640 acres or 1 square mile
- 1 hectare = 2.471 acres

Length:

- 1 mile = 5,280 feet. 1,760 yards or 1.61 kilometers
- 1 rod = 16.5 feet
- 1 chain = 66 feet
- 1 kilometer = 0.62 miles
- 1 roll of barbed wire = 1/4 mile or 1,320 feet
- 1 roll of net wire = 330 feet or 20 rods

Weight:

- 1 short ton = 2,000 pounds
- 1 long ton = 2,240 pounds
- 1 pound = 453.6 grams or 16 ounces
- 1 kilogram = 2.2 pounds

Liquid Measure:

- 1 gallon = 128 ounces, 3,785.4 milliliters, 16 cups, 4 quarts, 8.355 pounds or 256 tablespoons
- 1 quart = 0.946 liters, 2 pints or 32 ounces
- 1 pint = 16 ounces or 2 cups
- 1 cup = 8 ounces
- 1 milliliter = 1 cubic centimeter (cc)
- 1 tablespoon = 3 teaspoons
- 1 teaspoon = 5 milliliters
- 1 cubic foot of water = 62.43 pounds or 7.48 gallons
- 1 acre inch of water = 27,154 gallons
- 1 barrel of water = 55 gallons
- 1 barrel of oil = 40 gallons

Calculation of Water Storage Capacity:

- Round tank (gallons) = $3.1416 \times \text{radius squared (ft.)} \times \text{height (ft.)} \times 7.48$
- Rectangular tank (gallons) = $\text{height (ft.)} \times \text{width (ft.)} \times \text{length (ft.)} \times 7.48$

Pressure:

- 1 foot lift of water = 0.433 psi
- 1 psi will lift water 2.31 feet

[The Metric Conversion Page](#)

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