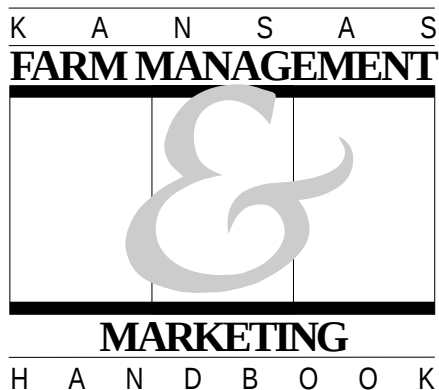




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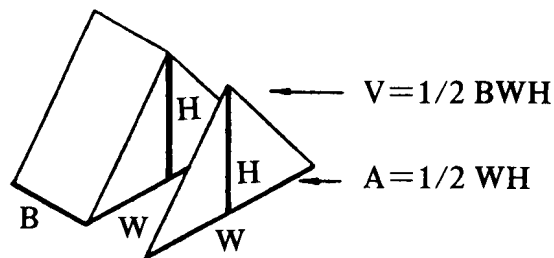
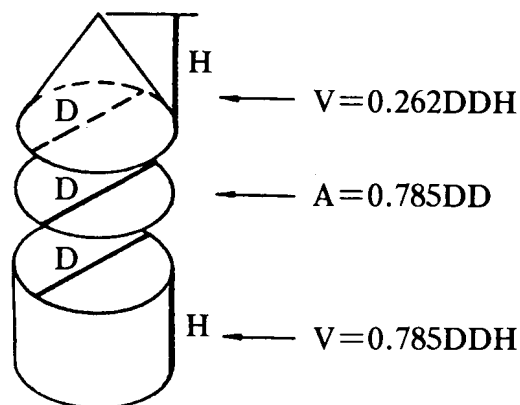
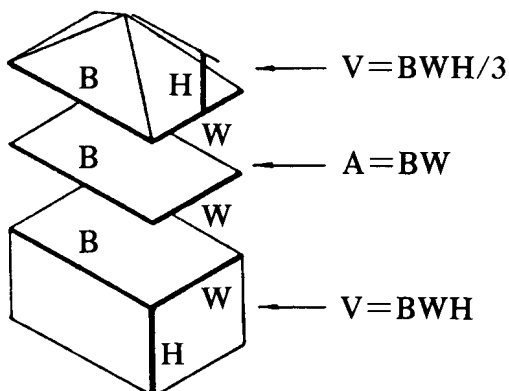
Weights and Measures for the Farm Business

Department of Agricultural Economics

Manhattan, Kansas

Larry N. Langemeier
Extension Agricultural Economist
Farm Management Studies

AREAS AND VOLUMES



Convenient Conversion Factors

Multiply	By	To Obtain	Multiply	By	To Obtain
Acres	43,560.	Square feet	Liters	61.02	Cubic inches
Acres	4,840.	Square yards	Liters	0.001	Cubic meters
Bushels	4.	Pecks	Liters	0.2642	Gallons
Bushels	64.	Pints	Liters	2.113	Pints (liquid)
Bushels	32.	Quarts	Liters	1.057	Quarts (liquid)
Centimeters	0.3937	Inches	Meters	100.	Centimeters
Centimeters	0.01	Meters	Meters	3.281	Feet
Centimeters	10.	Millimeters	Meters	39.37	Inches
Cubic feet	1,728.	Cubic inches	Meters	0.001	Kilometers
Cubic feet	0.03704	Cubic yards	Meters	1,000.	Millimeters
Cubic feet	7.4805	Gallons	Meters	1.094	Yards
Cubic feet	59.84	Pints (liquid)	Miles	5,280.	Feet
Cubic feet	29.92	Quarts (liquid)	Miles	320.	Rods
Cubic inches	16.39	Cubic centimeters	Miles	1,760.	Yards
Cubic meters	1,000,000.	Cubic centimeters	Miles per hour	88.	Feet per minute
Cubic meters	35.31	Cubic feet	Miles per hour	1.467	Feet per second
Cubic meters	61,023.	Cubic inches	Miles per minute	88.	Feet per second
Cubic meters	1.308	Cubic yards	Miles per minute	60.	Miles per hour
Cubic meters	264.2	Gallons	Ounces (dry)	28.3495	Grams
Cubic meters	2,113.	Pints (liquid)	Ounces (dry)	0.0625	Pounds
Cubic meters	1,057.	Quarts (liquid)	Ounces (liquid)	29.573	Milliliters (cubic centimeters)
Cubic yards	27.	Cubic feet	Ounces (liquid)	0.0625	Pints (liquid)
Cubic yards	0.7646	Cubic meters	Ounces (liquid)	0.03125	Quarts (liquid)
Feet	30.48	Centimeters	Parts per million	0.0584	Grains per U.S. gallon
Feet	12.	Inches	Parts per million	0.001	Grams per liter
Feet	0.3048	Meters	Parts per million	8.345	Pounds per million gallons
Feet per minute	0.01667	Feet per second	Pints (liquid)	0.4732	Liters
Feet per minute	0.01136	Miles per hour	Pounds	453.59	Grams
Gallons	3,785.	Cubic centimeters	Pounds	16.	Ounces
Gallons	0.1337	Cubic feet	Pounds of water	0.01602	Cubic feet
Gallons	231.	Cubic inches	Pounds of water	0.1198	Gallons
Gallons	128.	Ounces (liquid)	Quarts (liquid)	57.75	Cubic inches
Gallons	8.	Pints (liquid)	Quarts (liquid)	0.9463	Liters
Gallons	4.	Quarts (liquid)	Quarts (liquid)	32.	Ounces (liquid)
Gallons of water	8.3453	Pounds of water	Rods	16.5	Feet
Grains	0.0648	Grams	Square feet	144.	Square inches
Grams	15.43	Grains	Square feet	0.11111	Square yards
Grams	0.001	Kilograms	Square inches	0.00694	Square feet
Grams	1,000.	Milligrams	Square miles	640.	Acres
Grams per liter	1,000.	Parts per million	Square yards	9.	Square feet
Inches	2.54	Centimeters	Square yards	1,296.	Square inches
Inches	0.08333	Feet	Ton	907.1849	Kilograms
Inches	0.02778	Yards	Ton	32,000.	Ounces
Kilograms	1,000.	Grams	Ton	2,000.	Pounds
Kilograms	2.205	Pounds	Yards	3.	Feet
Kilometers	3,281.	Feet	Yards	0.9144	Meters
Kilometers	1,000.	Meters	Yards	0.000568	Miles
Kilometers	1,094.	Yards			
Liters	1,000.	Cubic centimeters			
Liters	0.0353	Cubic feet			



COOPERATIVE EXTENSION SERVICE, MANHATTAN, KANSAS

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