

# QUICK CALCULATIONS

## DRY MEASURE

3 Teaspoons *	=	1 Tablespoon *
16 Teaspoons *	=	1 Cup
2 Cups	=	1 Pint
2 Pints	=	1 Quart
8 Quarts	=	1 Peck
4 Pecks	=	1 Bushel
1 Bushel	=	2,150.42 Cu. In.

## LIQUID MEASURE

50 - 60 Drops	=	1 Teaspoon *
3 Teaspoons *	=	1 Tablespoon *
2 Tablespoons *	=	1 Fluid Ounce
8 Fluid Ounce	=	1 Cup
(4 Gills) 2 Cups	=	1 Pint
2 Pints	=	1 Quart
4 Quarts	=	1 Gallon
31 1/2 Gallons	=	1 Barrel

\*Level Spoonfuls

## SQUARE MEASURE

144 Square Inches	=	1 Square Foot
9 Square Feet	=	1 Square Yard
30 1/4 Square Yard	=	1 Square Rod
43,560 Square Feet	=	1 Acre
4,840 Square Yards	=	1 Acre
160 Square Rods	=	1 Acre
640 Acres	=	1 Square Mile

## CUBIC MEASURE

1,728 Cubic Inches	=	1 Cubic Foot
27 Cubic Feet	=	1 Cubic Yard

## WEIGHT OF LIQUID

1 US Gallon	=	8.34 lb x sp. gr.
1 Cubic Foot	=	62.4 lb x sp. gr.
1 lb.	=	0.12 US Gal./sp. gr.
1 lb.	=	0.016 Cu. Ft./sp. gr.

## VOLUME

1 US Gallon	=	128 fl. oz. (US)
1 US Gallon	=	231 Cubic Inches
1 US Gallon	=	0.8333 gal. (Brit)

## WORK

1 BTU (mean)	=	778 ft. lb.
1 BTU (mean)	=	0.293 watt hr.
1 BTU (mean)	=	1/180 of heat required to change temp of 1 lb. water from 32°F to 212°F
1 hp - hr	=	2545 BTU (mean)
1 hp - hr	=	0.746 kw hr
1 KwhFt	=	3413 BTU (mean)
4 Pecks	=	1 Bushel

## PRESSURE

1 lb. per sq. in.	=	2.31 ft. water at 60°F
1 lb. per sq. in.	=	2.04 in hg at 60°F
1 ft. water at 60°F	=	0.443 lb. per sq. in.
1 ft. water at 60°F	=	0.884 in hg at 60°F
1 in. Hg at 60°F	=	0.49 lb per sq. in.
1 in. Hg at 60°F	=	1.13 ft. water at 60°F
lb. per sq. in.	=	lb. per sq. in. gauge
31 1/2 Gallons	=	1 Barrel

## FLOW

1 gpm	=	0.134 cu. ft. per min.
1 gpm	=	500 lb. per hr x sp.gr.
500 lb. per hr.	=	1 gpm/sp. gr.
1 cu. ft. per min.	=	448.8 gal. per hr.
(cfm)	=	(gph)

## WORK

WATER	1 - 400	1 - 800	1 - 1600
100 gal.	1 qt.	1 pt.	1 cup
50 gal.	1 pt.	1 cup	1/2 cup
5 gal.	3 Tbsp.	5 tsp.	2 1/2 tsp.
1 gal.	2 tsp.	1 tsp.	1/2 tsp.

## EQUIVALENT QUANTITIES OF LIQUID MEASUREMENTS

WATER	QTY	OF				
100 gal.	1/2 pt.	1 pt.	2 pt.	3 pt.	4 pt.	5 pt.
50 gal.	4 fl. oz.	8 fl. oz.	1 pt.	24 fl. oz.	1 qt.	2 1/2 pt.
5 gal.	1 Tbsp.	1 fl. oz.	1 1/2 fl. oz.	2 1/4 fl. oz.	3 fl. oz.	4 fl. oz.
1 gal.	1/2 tsp.	1 tsp.	2 tsp.	3 tsp.	4 tsp.	5 tsp.

## APPROPRIATE NUMBER OF CONTAINERS PER CU. FT. AND CU. YD. OR MIX

### AZALEA

	CU. FT.	CU. YD.
4 in.	56	1,512
4 1/2 in.	44	1,188
5 in.	28	756
5 1/2 in.	24	648
6 in.	18	486
6 1/2 in.	16	432
7 in.	12	324
7 1/2 in.	10	270
8 in.	7	189
8 1/2 in.	6	162
10 in.	4	108

### SQUARE

	CU. FT.	CU. YD.
2 1/2 in. SVD	240	2,160
3 1/2 in. SVD	120	1,080
4 SVD	118	1,062
4 1/2 in. SVD	63	567

### GERANIUM

	CU. FT.	CU. YD.
3 1/2 in.	96	2,592
4 in.	56	1,512
4 1/4 in.	50	1,350
4 1/2 in.	44	1,188

### CELL PACKS

Approximately		
10 - 12 p /	3 cu. ft	
90 - 108 p /	cu. yd.	

### FLATS

	CU. FT.	CU. YD.
APPROX	10	90

### TRADE

	CU. FT.	CU. YD.
1 gal.	8.6	225
2 gal.	4.3	118
3 gal.	2.15	60

### HANGING BASKETS

	CU. FT.	CU. YD.
6 in.	24	648
8 in.	12	324
10 in.	6	162

### CELL PACKS

1 Bushel	=	1 1/4 cu. ft.
1 Gallon 4 Quarts	=	231 cu. in.
1 cu. yd. 22 Bushels	=	720 Quarts