

**CHEMICALS**

**GROWER TIPS**



100 gal.	25 gal.	12.5 gal.	5 gal.	1 gal.
2 gal.	2 qts.	1 qt.	12-7/8 oz.	2-1/2 oz.
1 gal.	1 qt.	1 pt.	6-1/2 oz.	1-1/4 oz.
2 qts.	1 pt.	8 oz.	3-1/4 oz.	5/8 oz.
1 qt.	1/2 pt.	4 oz.	1-9/16 oz.	5/16 oz.
1-1/2 pts.	6 oz.	3 oz.	1-1/4 oz.	1/4 oz.
1 pt.	4 oz.	2 oz.	7/8 oz.	3/16 oz.
8 oz.	2 oz.	1 oz.	7/16 oz.	1/2 tsp.
4 oz.	1 oz.	1/2 oz.	1/4 oz.	1/4 tsp.

100 gal.	25 gal.	12.5 gal.	5 gal.	1 gal.
4 oz.	1 oz.	1/2 oz.	3/16 oz.	1/4 tsp.
8 oz.	2 oz.	1 oz.	3/8 oz.	1/2 tsp.
1 lb.	4 oz.	2 oz.	7/8 oz.	1 tsp.
2 lbs.	8 oz.	4 oz.	1-3/4 oz.	2 tsp.
3 lbs.	12 oz.	6 oz.	2-3/8 oz.	2-2/5 tsp.
4 lbs.	1 lbs.	8 oz.	3-1/4 oz.	3-4/5 tsp.
5 lbs.	1-1/4 lbs.	12 oz.	4 oz.	4-4/5 tsp.

**USE OF MATERIAL ON SMALL AREAS**

Rate/Acre	Rate/1000 Sq. Ft.	Rate/100 Sq. Ft.
1 pt.	3/4 tbsp.	1/4 tsp.
1 qt.	1-1/2 tbsp.	1/2 tsp.
1 gal.	6 tbsp.	2 tsp.
25 gals.	4-1/2 pts.	1 cup
50 gals.	4-1/2 qts.	1 pt.
100 gals.	9 qts.	1 qt.
200 gals.	4-1/2 gals.	2 qts.
300 gals.	6-3/4 gals.	3 qts.
400 gals.	9 gals.	1 gal.
500 gals.	11-1/4 gals.	1-1/4 gals.

Rate/Acre	Rate/1000 Sq. Ft.	Rate/100 Sq. Ft.
1 lb.	3/4 tbsp.	1/4 tsp.
3 lbs.	2-1/4 tbsp.	3/4 tsp.
4 lbs.	3 tbsp.	1 tsp.
5 lbs.	4 tbsp.	1-1/4 tsp.
10 lbs.	1/2 cup	2 tsp.
100 lbs.	2-1/4 lbs.	1/4 lb.
200 lbs.	4-1/2 lbs.	1/2 lb.
300 lbs.	6-3/4 lbs.	3/4 lb.

**ENGLISH/METRIC CONVERSION**

1 Inch	2.54 centimeters
1 Foot	0.3048 meters
1 Yard	0.9144 meters
1 Mile	1.609 kilometers
1 Sq. Inch	6.4516 sq. centimeters
1 Sq. Foot	0.093 sq. meters
1 Sq. Yard	0.836 sq. meters
1 Acre	0.4047 hectares
1 Sq. Mile	2.590 sq. kilometers
1 Cu. Inch	16.387 cu. centimeters
1 Cu. Foot	0.028 cu. meters
1 Cu. Yard	0.765 cu. meters
1 Fl. Ounce	29.573 millimeters
1 Fl. Pint	0.473 liters
1 Fl. Quart	0.946 liters
1 Fl. Gallon	3.785 Liters

1 Dry Pint	0.551 liters
1 Dry Quart	1.101 liters
1 Dry Peck	8.810 liters
1 Dry Bushel	35.238 liters
1 Grain	64.79891 milligrams
1 Gram	1.772 grams
1 Ounce	28.350 grams
1 Pound	453.59 grams
1 Ton (2000 lbs.)	0.907 metric tons
1 Centimeter	0.394 inches
1 Meter	3.281 feet
1 Meter	1.093 yards
1 Kilometer	0.621 miles
1 Sq. Centimeter	0.155 sq. inches
1 Sq. Meter	1.196 sq. yards
1 Hectare	2.471 acres
1 Sq. Kilometer	0.381 miles

1 Cu. Centimeter	0.061 cu. inches
1 Cu. Meter	35.315 cu. feet
1 Cu. Meter	1.307 cu. yards
1 Milliliter	0.0338 fl. ounce
1 Liter	2.114 fl. pints
1 Liter	1.056 fl. quarts
1 Liter	0.2642 fl. gal.
1 Liter	1.814 pints
1 Liter	0.9082 quart
1 Liter	0.1134 peck
1 Liter	0.0284 bushel
1 Milligram	0.0154 grain
1 Gram	0.5643 gram
1 Gram	0.0353 ounce
1 Gram	0.0022 pound
1 Gram	1.1025 tons

1 pt./100 gal = 1 tsp/gal	1 cup = 8 oz.	1 gallon = 4 qts.
1 qt./100 gal = 2 tsp/gal	= 1/2 pt.	= 8 pts.
	= 16 tbsp.	= 16 cups
1 teaspoon = 1/3 tbsp.	= 48 tsp.	= 128 oz.
= 1/16 oz.	1 quart = 32 oz.	
1 tablespoon = 3 tsp.	= 4 cups	
= 1/2 oz.	= 2 pts.	
	= 64 tbsp	

To convert F to C subtract 32 and multiply by 0.55 (ex. 68° F = 22° C)
To convert C to F multiply by 1.8 and add 32 (ex. 60° C = 140° F)
F = Degrees in Fahrenheit
C = Degrees in Celsius (Centigrade)

**CHEMICAL MANUFACTURERS CONTACTS**

<b>MANUFACTURER NAME</b>	<b>WEBSITE</b>	<b>PHONE</b>
AllPro - T/A Value Garden Supply	www.valuegardens.com	800-603-1008
BASF Corporation	www.basf.com	800-526-1072
Bayer Environmental Sciences	www.bayerprocentral.com	800-331-2867
Becker Underwood	www.beckerunderwood.com	800-232-5907
BioWorks, Inc.	www.bioworksinc.com	800-877-9443
Chemtura Corporation	www.chemtura.com	203-573-2000
Cleary Chemical Corporation	www.clearychemical.com	800-524-1662
Dip 'N Grow, Inc.	www.dipngrow.com	866-347-6476
Dow AgroSciences LLC	www.dowagro.com	317-337-3000
FarmSaver - T/A Quali-Pro	www.farmsaver.com	800-979-8994
FMC Agricultural Products	cropsolutions.fmc.com	816-880-0828
Fuller Systems, Inc.	www.fullersystem.com	781-933-0945
Gowan Company	www.gowanco.com	800-883-1844
GSI Horticultural	www.gsihorticultural.com	541-383-0222
Lebanon Seaboard Corporation	www.lebsea.com	800-233-1067
Loveland Industries, Inc.		800-356-8920
Miller Chemical and Fertilizer Corporation		717-632-8921
Monsanto Company	www.monsanto.com	314-694-1000
Monterey Lawn and Garden Products, Inc.	www.montereylawngarden.com	559-499-2100
Natural Industries, Inc.	www.naturalindustries.com	281-580-1643
OHP, Inc.	www.ohp.com	800-659-6745
Phyton Corporation	www.phytoncorp.com	800-356-8733
Rohm and Haas Company	www.rohmhaas.com	215-592-3000
SePRO Corporation	www.sepro.com	800-419-7779
Syngenta Crop Protection, Inc.	www.syngentacropprotection.com	800-334-9481
The Scotts Company	www.scottsprohort.com	800-492-8255
United Phosphorus, Inc.	www.upi-usa.com	800-247-1557
Valent U.S.A. Corporation	www.valent.com	800-682-5368
Wellmark International	www.wellmarkinternational.com	800-877-6374
Whitmire Micro-gen	www.wmmg.com	800-777-8570



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**Formulation Key**

DF	Dry Flowable	FM	Flowable Micro-encapsulated	WSB	Water Soluble Bag
E	Emulsified	G	Granular	WSP	Water Soluble Packets
EC	Emulsified Concentrate	LC	Liquid Concentrate	WP	Wettable Powder
ES	Emulsified Suspension	ME	Micro-encapsulated		
FL	Flowable	WDG	Water Dispersible Granules		

**FOR INFORMATION ON OTHER CHEMICALS AND MANUFACTURERS OR TO PRINT OUT LABELS/MSDS SHEETS PLEASE VISIT THE FOLLOWING WEBSITES:**

**www.greenbook.net or www.cdms.net**