

COMMERCIAL SOURCES OF PLANT FOOD USED IN VINEYARDS

NITROGEN MATERIALS

	<u>% Nitrogen</u>
Ammonium nitrate	33.5
Ammonium sulfate	20.0 - 21.0
Aqua ammonia	20
Calcium nitrate	15.5
Urea	45 - 46
Anhydrous ammonia	82

POTASH MATERIALS

	<u>% K<sub>2</sub>O</u>	(Potassium oxide is called potash)
Potassium sulfate (sulfate of potash)	53	
Potassium chloride (muriate of potash)	62	

ZINC MATERIALS

Zinc sulfate	23 % metallic zinc or 36 % metallic zinc
Zinc chelates	Several different zinc products available. Follow directions.

BORON MATERIALS

	<u>% B<sub>2</sub>O<sub>3</sub></u>
Borax	36
Fertilizer Borate, Regular	34
Fertilizer Borate, High Grade	44 to 46
Tronabor <sup>®</sup>	44
Boro-Spray <sup>®</sup> (Granulated)	58
Polybor 2 <sup>®</sup> (may be called Solubor <sup>®</sup> ) (a powder)	66

MIXED FERTILIZERS

Nitrogen - Phosphorus - Potassium (plus zinc, boron, sulfur)  
N - P - K

Each company has various combinations.

Example: A 10-10-10 has 10% each of N-P-K

MANURE

	<u>% N</u>	<u>% P<sub>2</sub>O<sub>5</sub></u>	<u>% K<sub>2</sub>O</u>	<u>Cubic ft/ton</u>
Goat	2.77	1.78	2.88	70
Dairy	.7	.30	.65	55
Steer	2.0	.54	1.92	70
Horse	.7	.34	.52	75
Sheep	2.0	1.00	2.50	70
Hog	1.0	.75	.85	60
<u>WINERY POMACE</u>	1-2	1.50	.5 - 1	

<sup>®</sup> Indicates registered trade name