



MANTISSA

SMARTER NUTRITION

VITICULTURE

Nutri-Wise™ Foliar Nutrition Guidelines



Cropstage	Greentip	Inflorescence Visible	Inflorescence Fully Developed	Berries Size 3mm	Pre-Bunch Closure	Veraison	Softening of Berries	4-6 weeks Before Harvest	Post Harvest	
Growthstage	05	12	17	29	31	35	36			
PRODUCT										
AminoQuelant-minors		2.0 lts/ha			2.0 lts/ha			2.0 lts/ha		
Bud Complex or Balance		5kg/ha for early leaf canopy development. Start from 4 leaves visible up to flower truss development.	← By leaf sample showing multiple deficiencies →						5kg/ha for next season's bud development and early leaf canopy.	
VitaZyme Biostimulant <i>(see notes over page)</i>	1.0 ltr/ha			1.0 ltr/ha		1.0 ltr/ha		1.0 ltr/ha		
Magnesium Super 80 (Mg)		3.0 lts/ha	3.0 lts/ha	3.0 lts/ha	3.0 lts/ha	3.0 lts/ha	3.0 lts/ha	3.0 lts/ha		
AminoQuelant-Ca (Ca)			5.0 lts/ha	5.0 lts/ha		5.0 lts/ha	5.0 lts/ha			
AminoQuelant-B (B)		1.75 lts/ha	1.75 lts/ha	1.75 lts/ha						
AminoQuelant-K			3.0 lts/ha			3.0 lts/ha	3.0 lts/ha	3.0 lts/ha		
Jett (Mn)		1.25 lts/ha	1.25 lts/ha	1.25 lts/ha						
Century (Zn)		0.75 lts/ha	0.75 lts/ha	0.75 lts/ha						
Liquid Sulphur		Powdery mildew and Er.mite control								
Terra-Sorb foliar		3.0 lts/ha as required, for Rapid Stress Relief, including Frost Damage Mitigation - see notes over page								

Please refer to notes on reverse side.

Mantissa Corporation Ltd

PO Box 746, Cambridge, Tel: 07 827-4856, Fax: 07 827-4806
Email: info@mantissa.co.nz, Web: www.mantissa.co.nz

- As leaf analysis or Fluorimetry tests dictate
- Routine application
- Good management practice

NOTES:

Product timing and use rates are suggested where petiole/blade tests indicate shortage and deficiency.

Petiole test timing: Flowering / fruit ripening

Blade test timing: Flowering / fruit ripening

Magnesium Super 80 Fast and effective magnesium correction, based on magnesium nitrate. Best option, particularly for routine applications on Phyloxera resistant root stocks, and to prevent Grape-stalk Necrosis (grape shrivel). Use Rate: 3 - 5 litres/ha.
8% Mg, 9.3% N

AminoQuelant-Ca Foliar Calcium with active amino acids for safe, effective and compatible calcium mobility. Use Rate: foliar 5.0 - 7.5 litre/ha, fertigation 10 litre/ha
8% Ca, 4.5% N, 0.2% B, 6.1% Amino Acids

Panda *15% Ca, 2% Mg, 10%N, 500ppm B, 200ppm Zn* Calcium with magnesium, to prevent shanking and berry splitting. Contains traces of boron and zinc to enhance calcium mobility and maximise leaf photosynthesis, or

AminoQuelant-B Essential for cell division over flowering/fruitset, to prevent 'hen and chicken' disorder. Use Rate: 1 - 2 litres/ha
(8.0% B)

Jett (20% Mn), **Century** (20% Zn)

Apply when petiole/leaf test indicates deficiency. These are 100% soluble, 100% plant available formulations. Use Rate: 1.25 - 2.5 litres/ha

VitaZyme (BioGro) An all natural bio stimulant

Terra-Sorb (Bio Gro) Rapid Stress Relief: Climatic factors, Crop management, Phenological moments, Biological stress. Use to extend vegetative stage at the end of the season to maximise woody tissue reserves. Use Rate: 2 - 3 litres/ha
18 L- α Amino Acids

AminoQuelant-K Improve flavour, Brix, colour, earlier ripening, healthier fruit, even sized berries. Use Rate: foliar 3 - 4 litres/ha, fertigation 5 - 10 litres/ha
L-a Amino Acids, 25% K

Adjuvants

- ♦ **Guard 2000:** Wetter/Sticker to be used at 0.1% of water volume, e.g., 100 mls/100 lts. Cost efficient adjuvant that improves coverage on hard to wet leaves, sticks chemical/micronutrient to prevent loss without extending residues, rainfast one hour after application, and reduces drift.
- ♦ **Reach:** Super wetter, recommended for use with Sulphur, to improve coverage, particularly at lower water rates. Also for pre-season clean-up sprays with insecticides. Refer to label for correct rate and water volume.

Tankmix &

Compatibility

Follow label instructions carefully. If in doubt, contact your Mantissa distributor or Mantissa Office.

Liquid Sulphur

Superior contact action, due to patented micromised particle technology. Excellent powdery mildew and Er.mite control due to superior penetration and surface action. See label for rate of use.

Fertigation

Please refer to Mantissa's high quality, fully soluble MELSPRAY range of formulations that allow you to fine-tune N.P.K. and Trace Elements in a balanced approach.

Advisory

Mantissa Corporation Ltd offers a no obligation free Nutri-Wise® advisory service. Free-phone/fax 0800 432 352.