

NutriZincMang Flo

30% Zn, 30% Mn, 1.8% N Horticulture

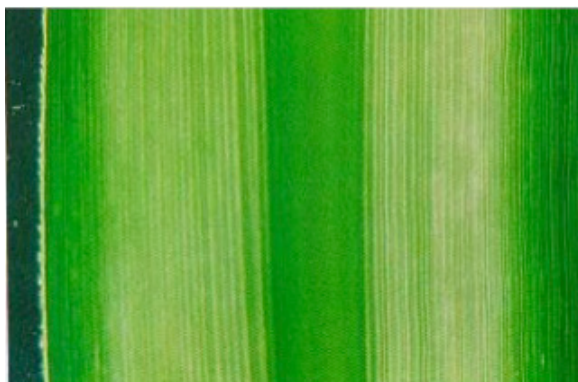
High analysis zinc and manganese suspension which stimulates plant health and vigour

Benefits of NutriZincMang Flo

- Accelerates seedling growth because zinc and manganese are required for healthy root and vegetative growth
- Healthy, vigorous root systems ensure access to essential nutrients from the soil
- The micron size of the suspension has been uniquely processed to provide more efficient uptake into deficient crops whilst still maintaining the residual effect
- Extremely safe for application
- Can be applied with a wide range of other agricultural chemicals, reducing the number of spray applications needed
- Pre-mixed in carefully controlled ratios so the crop receives the essential nutrients specific to its growth stage

THE ROLE OF ZINC & MANGANESE

Zinc forms an enzyme which produces carbon dioxide and maintains CO₂ levels for photosynthesis. Zinc plays an important role in the production of auxins. Manganese is essential as an enzyme activator which helps with nitrate assimilation. It is also primarily involved in photosynthesis and chlorophyll production.



Zinc Deficiency

DEFICIENCY SYMPTOMS OF ZINC

- Zinc has poor mobility in plants
- Chlorosis
- Stunting
- Dieback
- Rosetting
- Small irregular leaves
- Reduced yield
- Short thin stems
- Hollow stem
- Yellow stripes beside midrib

NOTE: The suggested rates of application are designed for typical Australian conditions and such should be used as a guide only. Each farmer's climatic conditions, water quality, soil types, application processes and practices may differ and therefore necessitate corrections to ensure optimum results. Good agricultural practice requires that application be avoided under extreme weather conditions such as temperatures over 28°C, high humidity, frost, rain etc. It is recommended that when applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total spray. Where possible, it is recommended that regular leaf (sap) tests are conducted to determine actual plant nutrient availability during each growth cycle. Soil tests at least once per year are essential.

Product Characteristics

pH: 8.5 -10.5 Specific Gravity: 1.82 - 1.86

Analysis	Australia (w/v%)	International (w/w%)
Zinc (Zn)	30.0	16.4
Manganese (Mn)	30.0	16.4
Nitrogen (N)	1.8	1.0
Suspension Concentrate (SC)		

APPLICATION

CROP	FOLIAR RATE/ha	FERTIGATION RATE/ha	COMMENTS
BROADACRE: Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat & Pasture crops	1 – 2 in a minimum of 30 - 60 L final spray volume.	0.6 - 2 Water injection or down the tube.	Best applied at 3 – 4 true leaf, may be used at other growth stages. For maintenance, use the higher rate.
DECIDUOUS TREE CROPS: Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut	2 – 4 in a minimum of 200 - 400L final spray volume.	3 - 5	Spray at early bud, post petal fall. Apply post harvest at higher rates of 3L/Ha. Note: Avoid applications during flowering.
EVERGREEN TREE CROPS: Such as Avocado, Citrus, Macadamia, Lychee	2 – 4 in a minimum of 200 - 400L final spray volume.	3 - 5	Apply to recently hardened spring flush or during active growing period & post harvest
FRUITING VEGETABLES: Such as Capsicum, Cucurbits, Eggplant, Tomatoes, Watermelons, Pumpkins	2 – 4 in a minimum of 200 - 400L final spray volume.	3 - 5	Apply as from 5th leaf until 14 days pre harvest. Fertigate regularly to replenish nutrients
LEAFY VEGETABLES: Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs	2 – 4 in a minimum of 200 - 400L final spray volume.	3 - 5	Apply at 3 -4th leaf stage.
ROOT VEGETABLES: Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato	2 – 4 in a minimum of 200 - 400L final spray volume.	3 - 5	Foliar spray, early season or when leaf area is sufficient to intercept spray. Apply with compatible crop protection sprays. Can be applied to seed pieces at potato planting time.
VINE and BERRY CROPS: Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes	2 – 4 in a minimum of 200 - 400L final spray volume.	3 - 5	Apply 1 – 2 treatments prior to flowering. Do not use at <1:20 concentration. Up to 2 L / ha can be used without detriment to the crop.
Fertigation rates are dependent on seasonal nutrient demand. Agitate contents well prior to application			

SEED DRESSING

Crop	Rate/ha	Min Dilution	Comments
BROADACRE Barley, Cotton, Oats, Triticale, Wheat	5 - 8L	Mix sufficient liquid to ensure adequate coating of seed	Apply between 1 and 3 L water / ton of seed depending on seed moisture percentage and ambient temperature. Addition of 0.5 - 1 L Kelpak (and 4 L for Canola) can be used as a growth hormone to enhance seed germination. Use in place of the same volume of water as a diluent. If using the lower rate, follow-up tissue test may be required to determine the need for foliar application after emergence. If these products are applied without dilution uneven coverage will usually occur. Uneven or lumpy coatings can cause dusting when treated grain goes into subsequent augur operations. NutriZincMang Flo is not compatible with inoculants
COTTON	5 - 8L		
CANOLA	2 - 4L		
GRAIN LEGUMES	8 - 10 L		
MAIZE, RICE & SORGHUM	5 - 8L		

 Minimum Dilution: A dilution of 1 : 100 means 1 part product : 100 parts water.

In hot weather, use the higher dilution rate where applicable

AERIAL APPLICATION: Use maximum practical water rates