

Liquid Trace Element Formulation

Recipe:

Amount	Product	% Nutrient in Product	Final Shuttle Percentage
25kg	Manganese Sulphate	32.00%	0.80%
25kg	Iron Sulphate	20%	0.50%
25kg	Zinc Sulphate	23%	0.60%
20kg	Copper Sulphate	25%	0.50%
20kg	Solubor or Boric Acid	20%	0.40%
10kg	Cobalt Sulphate	21%	0.20%

- 1) Mix 20kg Fulvic Acid and 5kg Citric Acid with 800L water in a shuttle.
- 2) Add the above nutrients, one at a time to the 1000L shuttle and mix well until dissolved.
- 3) If required, you can also add up to 1kg of Nickel Sulphate to this mix.
- 4) Top up with water, then close and store out of direct sunlight.

Ingredients may settle a little over time so give the barrel a good stir before use.

Application:

Foliar Application Rate - 10L/Ha

Note: this mix can be applied at higher rates to the soil, but the uptake of soil applied trace elements is generally much poorer.

Other optional inputs that can be added to the diluted spray tank mix prior to application include:

10-20kg/ha Urea

10-15kg Potassium Nitrate

5-7.5kg/Ha Potassium Sulphate

5-7.5kg/Ha Magnesium Sulphate

50-100g/Ha Sodium Molybdate

4-5L/Ha Fish Hydrolysate

4-5L/Ha Molasses



Fill the spray tank with water and if using bore or dam water, adjust the pH to below 6 with citric acid (rainwater can be used as it is).

This measure is used to neutralise reactive carbonates and bicarbonates in groundwater.

The effect is temporary so the mix must be sprayed out within a few hours of pH adjustment

Add nutrients and solutions to the spray tank.

Check the tank pH again to make sure it is between 4-6, preferably between 5-5.55

Add the recommended amount of a suitable surfactant/spreader/sticker agent.

Spray out in dry conditions during the early part of the day, before it warms up, or towards dusk when it starts to cool down.

