

Liquid Foliar & Soil Trace Element Fertiliser Horticulture, Viticulture, Orchard & Turf

Eco-Vital®

CHELATED liquid fertiliser designed for:

- ✓ **Fruit Density**
- ✓ **Skin quality**
- ✓ **Colour depth**
- ✓ **Brix**
- ✓ **Storage Life**
- ✓ **Heat / Frost Recovery**
- ✓ **Fast, Often 20min Foliar Response**



A Biological Trace Element product rich in natural Nitrogen, Phosphorous, Potassium, Calcium, 60+ Trace / Rare-Earth elements, +natural growth regulators.

TYPICAL CONTENT:

Nitrogen,
Phosphorus,
Potassium,
Calcium,
Sulphur,
Magnesium,
Manganese,
Copper, Iron,
Zinc, Boron,
Cobalt, Iodine,
Molybdenum,
Nickel,
Strontium,
Auxins,
Cytokinins,
Gibberellins,
Alanine, Valine,
Glycine,
Isoleucine,
Leucine, Proline,
Threonine,
Serine,
Methionine,
Hydroxyproline,
Phenylalanine,
Asparic acid,
Glutamic acid,
Tyrosine,
Ornithine,
Lysine,
Arginine,
Vitamins: B1 B2
C E, Riboflavin,
Niacin, Choline,
Carotene,
Pantotene,
+ minor trace

REDUCED PLANT STRESS = INCREASED PRODUCE QUALITY

Unwanted stress during the active growing season can destroy potential yield and quality. Stress is usually the result of imbalanced growth, often made worse by extremes of Heat & Cold.

Stress tolerance is important to guarantee the accessibility of soil nutrients such as calcium (often the symptom responsible for blossom end rot). Weak cellular structure such as thin cell walls/cuticles excess fluid content or imbalanced nutrition (ie too much nitrogen), may lead to poor produce storage life, heat / frost intolerance, excessive wind damage and often increased insect / fungal damage.

Nutrition is one of the keys to balanced growth. Plants require a range of macro and micro elements in a balanced ratio dependent on plant type, growth stage and environmental conditions. This makes fertilizing very difficult to get exactly right all of the time.

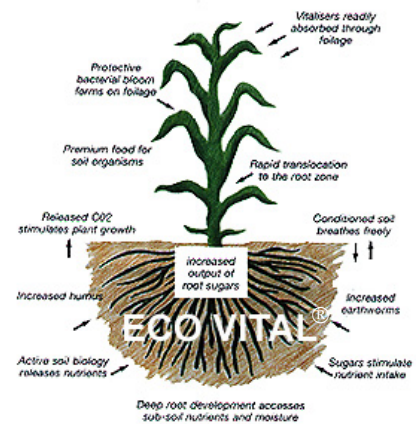
Eco-Vital® contain nutrients in a naturally chelated form (organically bound). Chelates are known to be up to 90% more efficiently absorbed by plants than raw elemental fertilisers. This makes the required rates lower and the speed of their absorption and utilization higher.

Another benefit of chelated nutrients is that they allow the plant to pick and choose nutrients as required. Conversely raw synthetic fertilisers tend to force nutrient uptake, which can lead to gross abnormalities, and poor quality yields with low storage potential if not managed intricately.

Plants treated with **Eco-Vital®** tend to exhibit balanced nutrient levels, with regular even sized growth, strong cell walls and thick cuticles, with excellent cell density.

Because of the speed of action **Eco-Vital®** is also an excellent product for quickly rejuvenating and remediating stress induced wilting and damage. This reflects greatly on shelf life, uniformity of product, and visual characteristics such as gloss and colour.

General Foliar Application Rates: Standard 5-7Lt/Ha Frequent 3-4Lt/Ha



“Eco-Vital” Foliar Application Guide

Crop	Conc. Per Applicati on	Preferred Minimum Dilution	1 Main Foliar Applications	2	3	4	Optional Applications
TREE & VINE							
Wine & Table Grapes	4-5Lt/Ha	1:100-200	30cm cane	Pea size Berry	Pre Verasion	Pre & Post Harvest	2-3Lt every 14-21 days
<i>May be applied with sulfur on wine grapes (with caution after jar test)</i>							
Fruit Trees Stone, Pomme, Olives & Citrus	4-5Lt/Ha	1:300-400	Bud Burst	Pea size fruit	2x in Early to Mid fruit development	Pre Harvest	2-3Lt every 14-21 days
FIELD CROPS							
Cereals	4-5 L/Ha	1:50-100	6 Leaf	Head emergence			
Lucerne hay Forage crops	4-5 L/Ha	1:50-100	Early growth	At 100mm regrowth			At 10cm regrowth after each cut
Oilseeds	3-5 L/Ha	1:100	150mm	Flowering			
Cotton	3-5 L/Ha	1:100	200mm	Flowering			
Maize	4-5 L/Ha	1:100	200mm	Early tassel			500mm
Beans	3-5 L/Ha	1:100-200	4-6 Leaf	Early bloom	Early pod fill		
Commercial Turf	5-6 L/Ha	1:100	Every 10 days	And 3-5 days pre lifting			1 week after laying
Pasture	5 L/Ha	1:100	Early spring	100cm after	Hay, silage or	Moisture stress	
Peanuts	5 L/Ha	1:100	4-6 leaf	Pre pegging			
VEGETABLES							
Peas & beans	3-4 L/Ha	1:100-200	4-6 true leaves	Early flower	Early pods		5 days pre harvest
Carrots, beets, turnip, onions	3-5 L/Ha	1:100	3 weeks	5 weeks	7 weeks	9 weeks	5 days pre harvest
Cucumber, gherkins, capsicum, melon, squash	3-5 L/Ha	1:100-200	4 true leaves	Early flower	Early fruit set		Every 10-14 days to harvest pre & post transplant
Cabbage, cauliflower, broccoli, kale	4-6 L/Ha	1:100	4-6 true leaves	14 days later	Early head initiation		5 days pre harvest pre & post transplant
Lettuce	3-4 L/Ha	1:100-200	6 true leaves	Early head initiation	10 days later		5 days pre harvest pre & post transplant
Potato	4-6 L/Ha	1:100-200	150-200mm	Pre flower	14 days later		
Sweet Corn	4-5 L/Ha	1:100	150mm	400mm	Early tassel		
NURSERIES							
All Flowers annuals/ perennials	3-4 L/Ha	1:100-200	Early growth	Every 3-4 weeks	-also pre & post	Transplant	(spray on blooms only if known to be safe)
Orchids		1:200-300	Every 2 weeks				
Nurseries including natives		1:200-300	-foliar	Every 10-20 days			
Cuttings- Seeds-	-Dip in 1:30 solution -Soak 6 hrs in 1:50 sol'n						
Golf greens Bowling greens	2-3 L/Ha	1:100-200	Every 3-5	Weeks,	More often if very sandy		