

Fish Emulsion

Feeds soil microbes

Fish Emulsion is a nutrient source for soil microbes which in turn improves soil health.

Fish Emulsion stimulates beneficial microbes to:

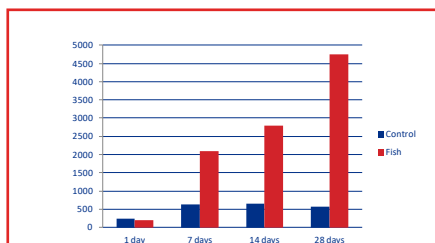
- Improve nutrient availability
- Reduce root disease
- Improve water penetration (heavy soils) & water retention

Fish Emulsion also provides an important range of natural nutrients and amino acids which improve growth.

Suitable for use in vegetables, fruit trees & vines, including tropical fruit, pasture and broad-acre crops. Ultra filtered (to 100um), with low oil content, provides easy use through sprays and drip irrigation.

Soil Microbes

Research has consistently shown Fish Emulsion feeds the soil microbes resulting in an increase in the activity and diversity of the resident microbial communities in the soil. The soil microbes improve soil health by moisture retention, infiltration, nutrient retention and release, and reduced disease. (Abbasi 2006)

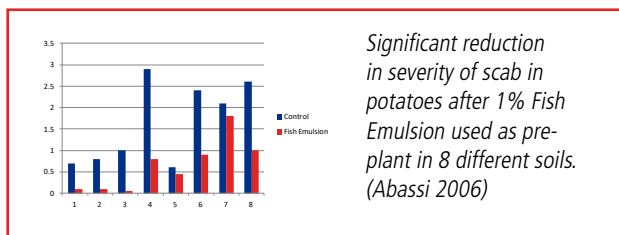


Total Bacterial Population 10^6 cfu/g significantly increased after adding fish emulsion. (Abbasi 2004)

Disease Suppression

Plant diseases caused by soil borne plant pathogens are less severe in soils receiving organic amendments. (multiple references).

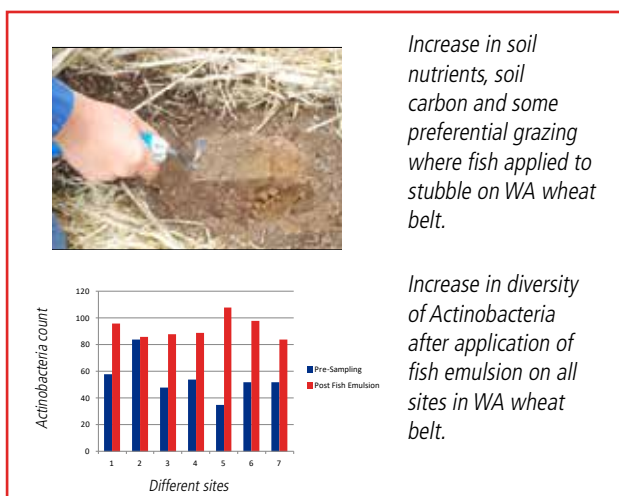
Increased soil biological activity and stimulation of biological control after application of Fish Emulsion to soil may be the key mechanism of disease suppression using Fish Emulsion (Abbasi 2012).



Significant reduction in severity of scab in potatoes after 1% Fish Emulsion used as pre-plant in 8 different soils. (Abbasi 2006)

Nutrient uptake

Fish Emulsion improves nutrient uptake in multiple ways including promoting rhizobacteria, lactic acid, stimulating growth promoting hormones and is a nutrient source within itself. (multiple references)



Increase in soil nutrients, soil carbon and some preferential grazing where fish applied to stubble on WA wheat belt.

Increase in diversity of Actinobacteria after application of fish emulsion on all sites in WA wheat belt.

Fish Emulsion - nutrient source for soil microbes

Fish Emulsion can be used as a foliar spray or soil conditioner to feed soil microbes. It stimulates biological activity to provide plant & soil health benefits. It is a natural source of nutrients for all crops. Ultra filtered (to 100um), with low oil content, provides easy use through sprays and drip irrigation.

DIRECTIONS FOR USE:

Add Fish Emulsion to spray and fertigation tank slowly with tank nearly full and maximum agitation. Blockages can occur if neat product comes into contact with filtration system. When applying through boom spray use 120 - 200 micron screen on main filter and a 50L jet. When blending with other compounds dilute Fish Emulsion separately and add to tank as last ingredient. Maintain agitation whilst spraying or fertigating. Always agitate drum contents before use.

APPLICATION RATES:

Blend up to 1L Fish Emulsion with 20L water.

Can be used via foliar or irrigation.

Vegetables:

5-10L/ha every 7-14 days from emergence/transplant

Vines:

5-10L/ha monthly

Fruit & Nut Trees:

5-10L/ha monthly

Tropical Fruit:

5-10L/ha monthly

Broad-acre crops & pasture:

3-6L/ha 1-3 times during the season

Anti-foaming agent:

Add 1L/1,000L water in spray tank

TYPICAL ANALYSIS:

Nitrogen	2.5%
Phosphorus	0.3%
Potassium	0.25%
Calcium	0.5%
Oil Content	3%

COMPATIBILITY:

Mixes with most agricultural chemicals and fertilisers, including sulphur and copper sprays (always test mix before use).

PACK SIZES:

20L, 200L, 1,000L

CLEAN UP PROCEDURE:

Use all mixture in spray and irrigation tanks; purge tanks and lines with clean water; flush irrigation lines. Do not return mix to original drums.

STORAGE:

Store in original container away from direct sunlight.

COMPATIBILITY:

Physically compatible with a wide range of commonly used products. Always mix a small quantity (jar test) and check for physical compatibility before combining with other ingredients.

CAUTION:

Keep out of reach of children. Avoid contact with eyes. If swallowed seek medical advice if adverse symptoms arise.



Broccoli thriving on Fish Emulsion & Vitazyme seeding drench



Corn thriving on Fish Emulsion as part of OFS organic program



Organic Kale thriving with Fish Emulsion, Organic N & Protein Meal