

SOIL HEALTH

Soil Enhancer

Improves soil performance

SOIL PERFORMANCE

Easy to use formulation that contains humus, the most active component of soil organic matter, seaweed extracts, amino acids and vitamins.

- Improves soil structure
- Feeds soil microbes; primarily fungi
- Improves fertiliser retention & water efficiency
- Buffers salinity
- Improves drought tolerance

WHY HUMUS

Replenishing organic matter with the most active component of organic matter (humus) is an efficient way to get the benefits of organic matter without significantly changing production methods. (Kasim 2011, Celik 2011, Dong 2009, Taufik 2011)

Organic matter plays a key role in many soil processes because it affects, among others, soil structure, nutrient dynamics and soil life. Decomposition of soil organic matter is a highly important process (fungi/bacteria story). (Franciska 2006)

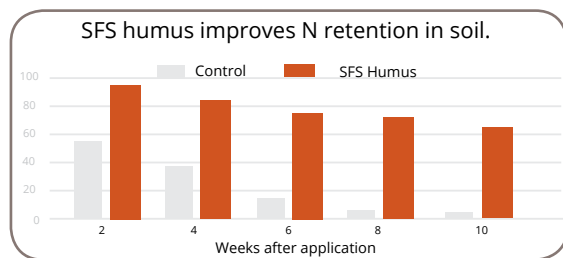
With depleting soils and organic matter, soils become unproductive with nutrients less available, fertilisers less effective and soils more susceptible to disease.

Roughly half of organic matter by weight is made up of carbon. Carbon is what plants use to cycle nutrients and energy through the soil. Humus (5-10% of soil organic matter) is the component that allows nutrients to be taken up by crops for quick feeding. (Ohio State University)



Soil Enhancer improved soil structure

RESULTS



Soil Enhancer improved Nitrogen retention in the soil 10 weeks after application.



Soil Health Calculator

A tool to help you create productive soils

Factors in:

- Your soil type - humus + microbial activity
- Your crop type
- What is practical for your system

Improves soil performance

TYPICAL ANALYSIS:

Water soluble humus with potassium and seaweed (kelp) extract.

DIRECTIONS FOR USE:

Suitable for use as a soil drench, via irrigation or as a foliar spray. Applied through standard spraying and irrigation equipment. Always dilute prior to application and test compatibility before using with other products. Always agitate drum contents before use.

APPLICATION RATES:

The following are general usage rates. Use our Soil Health Calculator for specific rates for your crop and soil type.

Horticulture

Via irrigation – 5-10L/ha applied regularly during growing season. Dilute 1:100 with water.

Foliar Spray – Not recommended in horticulture.

Broad-acre Crops & Pasture

Apply 2-3L/ha 1-3 times during growing season. Dilute at least 1:100 with water.

Nitrogen Buffering - To improve N uptake & reduce leaf damage from UAN, Urea, Ammonium fertiliser.

Leaf scorch: apply 1L/30L UAN

Boomspray mixing order - Add Water ... then Soil Enhancer ... then UAN

Mixing with UAN Concentrate:

20-30L Soil Enhancer per 1,000L UAN

Always add UAN to Soil Enhancer (add Soil Enhancer to container first); it is useful to pre-mix Soil Enhancer 50:50 with water before adding to the container.

Fertiliser Coating

Apply 4-6L Soil Enhancer per tonne fertiliser

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:

Soil Enhancer is an alkaline product, do not add to acidic (low pH) fertilisers. If tank mixing, add Soil Enhancer first, followed by other components. Soil Enhancer is ideal for using with UAN, urea and other ammonium based fertilisers. Do not tank mix with NPK or soluble phosphorus fertiliser.

Always test mix (jar test) small quantities to ensure compatibility before use.

Soil Enhancer is generally not compatible with agricultural chemicals (insecticides, fungicides, herbicides). If in doubt, check chemical label for mixing instructions.

WARNING:

Causes eye irritation.
Causes mild skin irritation.



IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

See SDS for further first aid and safety instructions. Keep out of reach of children.

Wash your hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves, protective clothing, eye protection and face protection.

Do not breath mist/vapours/spray.