

NutriSoil[®]

Biological Liquid Fertiliser



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Nature's all purpose plant food. Vermiculture extract produced from animal, plant and ocean nutrients.

All people can **live a healthy life** through a complete biological balance in the soil.

What is NutriSoil?

NutriSoil LS (liquid spray) is a concentrated worm liquid, produced from a unique Vermiculture Recycling System.

Organic animal, plant, mineral and ocean inputs are fed to compost worms and other soil organisms that consume and convert (break down) nutrients into a plant-available food and microbial food/stimulant.

What can it be used on?

NutriSoil is suitable for application on all growing plants and soil types. It can be used as a foliar spray or seed inoculant and in fertigation systems.

When should it be applied?

Apply NutriSoil on plants during growth stage for immediate uptake and coat seed at sowing for greater strike rate.

How much water do I add?

Mix 5L/ha with water according to the calibration on your sprayer. E.g. If your sprayer puts out 100L per hectare, use 95L of water with every 5L of NutriSoil. (This is a 5% dilution or a 20:1 ratio).

The water rate is not critical. It acts as a carrier to distribute 5L/ha across plants and/or seed if doing in-furrow fertilisation. NutriSoil can be easily adapted to fertigation systems.

Pasture: Apply 5L/ha in growth times such as Autumn and Spring or other growth opportunities due to irrigation or seasonal influences. There is no stock withholding period. Animals may even remain in the paddock during spraying.

Crops:

1. Inoculate seed with NutriSoil at 5L/tonne and/or use in liquid inject systems at 5L/ha.
2. Apply 5L/ha of NutriSoil at the 3-leaf stage.
3. Apply 5L/ha as a top dressing if required.

Horticulture / Viticulture / Orchard:

Apply NutriSoil 3 to 4 times a year up till harvest with no withholding period.

The NutriSoil program

For the best results, NutriSoil should be used in a Whole Farm Management System. Working with and understanding the natural environment is essential whether you are farming by the principals of conventional, biological, organic or biodynamic systems. **NutriSoil enhances the natural growing mechanisms of the plant.**



How to start?

When beginning a NutriSoil Program, it's best to keep records. Consider your aims, timeframe, how or what you will measure. Download from our website or call us for a copy of our Field Action Plan to help you outline your program.

Visual Response Signs

Depending on your crop/pasture deficiencies, you may observe the following visual responses:

Short Term

- Colour change in crops.
- Stock preferential feeding on NutriSoil treated areas
- Reduction in signs of pests in pasture/crops
- Larger root systems; good strike; fast germination

Long Term

- Increase in stock health eg. less grass tetany, mastitis, foot diseases
- Sponge like soil
- Diversity of pasture
- Change in soil colour
- Higher stocking rates

Laboratory Report

Typical Analysis
Results (Expressed as mg/kg)

TEST PARAMETER	NUTRISOIL	WORM JUICE
NITROGEN	492	54
PHOSPHORUS	130	45
POTASSIUM	700	220
SODIUM	84.0	61
CALCIUM	118	95
COPPER	LESS THAN 1	LESS THAN 1
ZINC	1.4	LESS THAN 1
MANGANESE	LESS THAN 1	LESS THAN 1
MAGNESIUM	7.1	68
MOLYBDENUM	3.1	LESS THAN 1



Growing a Corn Crop using NutriSoil to support a Biological System.

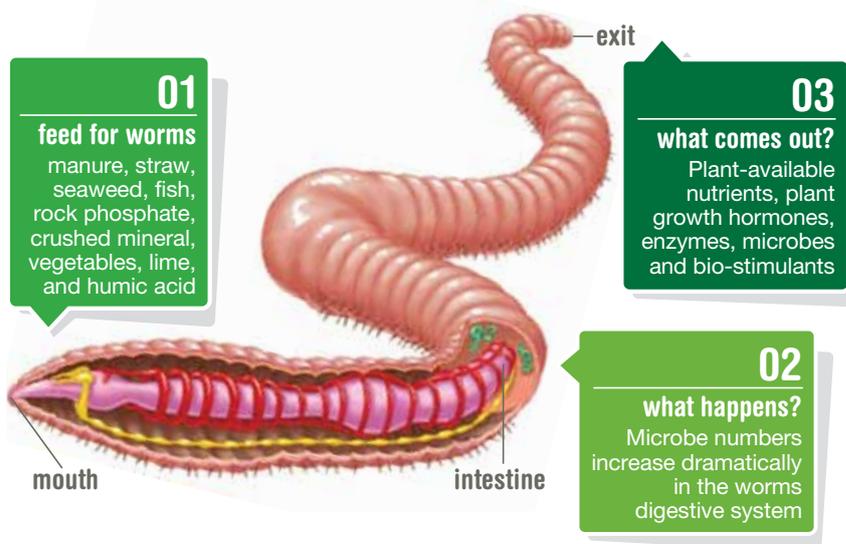
– Jarrod Andrews, Blighty, NSW

We got a better germination this crop from last season (91%). We'll get 5-6T dry matter better production this year which we put down to **in-furrow fertilisation** at seeding which we didn't do last year. It just seemed to jump out of the ground much better this year

"We're about 1/3 better off from other farmers using high rates of Urea and either DAP/MAP. Our crop made 26 dry T/ha with 11.5% energy. **We are very happy with it!**"



How is NutriSoil made?



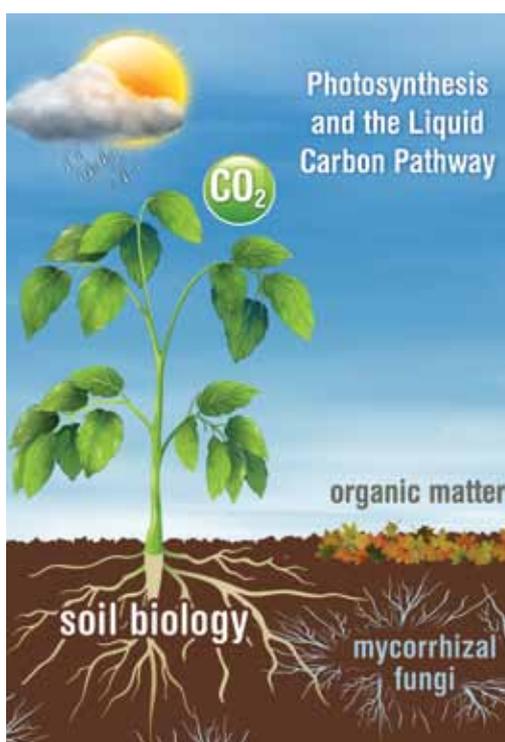
The earthworm digestive system.

What happens when you apply NutriSoil?

1 The plant available nutrients in NutriSoil are taken in through the leaf. Humic compounds in the worm liquid open the cells of the leaf where the nutrient is absorbed immediately.

2 Photosynthetic capacity of the plant is increased. Photosynthesis creates sugars for plant growth and feeding the microbes in the soil. The Liquid Carbon Pathway.

3 The microbes make enzymes to solubilise nutrients in soil in ratios that the plant needs. The more microbes (ie bacteria & mycorrhizal fungi) you have in the soil, the more nutrient collection capacity you have.



Outcomes:

- Strong yield
- Quality production (high true protein levels)
- Builds soil carbon
- Increases soil fertility
- Resilient plants to withstand challenging seasons
- Increased water holding capacity

Scientifically Proven NutriSoil Increases:

- **Foliage photosynthetic capacity**
- **Microbial biomass & diversity more nutrient collection capacity**
- **Mycorrhizal fungi accesses water & nutrients far from roots**

Call the NutriSoil team for your copy of these results.

Advice to conventional farmers considering trying NutriSoil... **Just give it a go!** It's very easy to use.

"Try it on 5-10ha. Incorporate it within your conventional system. Put NutriSoil down with the seed and instead of using Urea you can use NutriSoil for the foliar spray. If you're irrigating, just try a bay or 2 or on dryland. We have to Save Our Soil, **FEED THE SOIL TO GROW THE PLANT**, don't just use it for holding."

Support from **Biological Scientists**



Dr Maarten Stapper
on NutriSoil

NutriSoil feeds the plant.
NutriSoil is food for the microbes.

- NutriSoil foliar enters the plant which stimulates production, pumping more exudates through roots into the soil thus activating soil microbes. The plant asks for more nutrients and the microbes deliver.
- NutriSoil as seed inoculation delivers nutrients, humus and microbes to the root zone to feed and protect seedlings.
- NutriSoil improves soil health through activation of plant growth and reduced use of fertilizers and chemicals.



Dr Christine Jones
on NutriSoil and Nitrogen

Just about everything that lives in soil is very strongly inhibited by applications of high rates of water-soluble N and P.

Interestingly, a small amount of N, as in NutriSoil, primes the system. The microbes only need a whiff of N to get them started, then they do the rest.

I suspect many people are getting confused about fertilisers. If they (farmers/gardeners) support microbial activity in the soil, there will be no need for chemical fertilisers. Indeed chemical fertilisers are detrimental to soils.



On-Farm Info Sessions

Speak to us about coming to YOUR property for a NutriSoil Information Session with a group of at least 5 - 10 fellow farmers.

We will answer your questions on the benefits of using NutriSoil to improve your soil health and increase quality production!



How do I order my NutriSoil?

NutriSoil is sold directly to farmers at wholesale rates. You can simply phone through your order or go online to our easy-to-follow order page. Payment is accepted via credit card, direct deposit or cheque. Goods are despatched daily. Please contact our staff for a price sheet or see the website for further details.



Freight is FREE in NSW/VIC
and subsidised in all other parts of Australia.



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