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# Product Information Sheet

## NutriSmart Microbial Fertiliser



### Nutrient Analysis (w/w):

N	P	K	Ca	Mg	Cu	Zn	Fe	Mn	B	Mo	Co	Si	OM
0.5%	0.08%	0.6%	3.1%	0.5%	33ppm	107ppm	1.4ppm	356ppm	20pppm	1.1ppm	20ppm	19%	35%

### Total Active Organisms (cfu/mL):

Lactic acid bacteria 10 000, photosynthetic bacteria 100, actinomycetes bacteria 1000, fungi 3000, yeasts 100

NutriSmart is a patented, environmentally friendly microbial fertiliser and soil amendment. NutriSmart requires soil moisture for activation, as it contains a complex mix of microbes that provide a broad spectrum boost to the soils biological health.

NutriSmart is an activator of native soil micro organism populations and enhances nitrogen fixing bacteria to fix more soil nitrogen from the air and also for phosphate mineralising bacteria to release tied up phosphate for plant use.

NutriSmart has shown to hasten early plant development through enhanced mycorrhizae colonisation of root systems.

Prolonged use of NutriSmart will restore soil biological balance, improve soil physical and chemical properties and reduce pest pressures to crops.



### Pack size:

Available in 20kg and 1T bulk bags

### Benefits:

- Increases the humus/organic matter content in soil, ideal for light sandy soils
- A certified organic input: Australian Organic Certification Number: 10325AI
- Restores soil biological activity and reduces disease and nematode dominance
- Enhances mycorrhizae colonisation of root systems and hastens plant development
- Can be blended with traditional fertilisers for value added custom blends
- Naturally derived and environmentally friendly eco fertiliser
- Traditional fertiliser rates may be reduced by up to 20% with continued use
- Comes in a 3.5 mm (350 SGN) granule





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## Application:

NutriSmart can be used as a soil amendment prior to planting crops or can be blended with fertiliser for application at planting. Irrigation soon after application is recommended to activate the microbe population within the granules.

## Directions for application (refer to product label for more detailed instructions)

Crop/Situation	Broadcast Soil Rate (kg/ha)	Critical Comments
Fruit & nut trees / vines	250-500	Broadcast under tree/vine canopy annually in spring. For best results blend with compost/mulch and apply, or broadcast compost/mulch on top of NutriSmart. Use the lower rate on young trees and vines. For new plantings apply 250 grams per hole, mix with soil during backfilling.
Vegetable crops	250-500	Apply as a broadcast prior to land preparation, or add to starter fertiliser blends (15 to 50% concentration) and apply at planting.
Pastures	150-300	Apply as a broadcast prior to land preparation at planting. Can be broadcast onto pastures after grazing or cutting. Can be added to fertiliser blends (15 to 50% concentration) being top dressed.
Broadacre crops (cereals, cotton, corn, beans, peas, etc)	150-300	Apply as a broadcast prior to land preparation at planting or blend with starter fertilisers at concentrations from 15 to 50%.
Sugarcane	300-500	Apply as a broadcast prior to land preparation for plant cane, or add to plant or ratoon fertiliser blends (15 to 50% concentration) and apply as a side dress application.
Turf	300-900	Broadcast in spring and water in well. For best results, apply during renovation or soil aeration operations and brush into holes then top dress with sand.
Ornamentals/gardens	100 grams/m <sup>2</sup>	Broadcast around plants and work into the soil and water in.

## Microbe Analysis:

Microbe Type	Colony Forming Units (cfu/mL)	% of Total Population
Total Active Lactic Acid Bacteria (including <i>Lactobaccillus</i> , <i>Leuconostoc</i> , <i>Lactococcus</i> and <i>Pediococcus</i> spp)	10,000	70.42
Active Photosynthetic Bacteria (including <i>Rhodopseudomonas</i> and <i>Bradyrhizobium</i> spp)	100	0.7
Active Actinomycetes Bacteria (including <i>Actinomyces</i> and <i>Streptomyces</i> spp)	1,000	7.04
Total Active Fungi (including <i>Trichoderma</i> , <i>Aspergillus</i> , <i>Penecillium</i> , <i>Mucor</i> and <i>Rhizopus</i> spp)	3,000	21.13
Active Yeasts (including <i>Saccaromyces</i> , <i>Debaromyces</i> , <i>Torulopsis</i> and <i>Rhodotrula</i> spp)	100	0.7
<b>Total Active Microbe Population</b>	<b>14,200</b>	<b>100</b>

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Before using, always read the product label. More information: Contact your local Barmac distributor