

PROLIFER8™

PROLIFER8™ is a biologically activated, phosphate boosted fertiliser, coated with microbes that liberate and solubilise phosphate, fix nitrogen and improve plant resilience.

PROLIFER8 is manufactured by blending high grade Agriflex™ Phosphate (sourced from Centrex's Ardmore Phosphate mine in Mt Isa – arguably producing the best material of its kind in the world), with inoculated, composted poultry manure.

This pairing of Australian, premium grade phosphate and nutritionally dense composted manure, provides a high level of stable phosphate (6%) in organic and mineral forms, formulated into uniform, easy to use pellets.

These pellets are subsequently coated with INVIGOR8™, Neutrog's proprietary biological formula for liberating and solubilising phosphate - creating a unique combination of nutrition and biology.

The specifically selected microbes contained within INVIGOR8, work simultaneously to solubilise the mineral phosphate in the pellets and liberate locked up phosphate in the soil.

Furthermore, unlike more traditional counterparts, PROLIFER8 has a neutralising effect on the PH of soil.



AVAILABLE

PROLIFER8 is available in 20kg, 1TBB & Bulk.

APPLICATION

PROLIFER8 is suitable across a wide range of applications including pasture, crop and turf. Application rates will range from 100 - 300kg/ha.



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Pellet Analysis (dry weight basis)		%w/w
Nitrogen (N)	as Organic	1.75
Phosphorus (P)	as Citrate Soluble	1.60
	as Citrate Insoluble	4.40
Total Phosphorus (P)		6.00
Potassium (K)	as Organic	1.15
Sulphur (S)	as Organic	0.55
Calcium (Ca)	as Organic	1.65
	as Phosphate	15.35
Total Calcium (Ca)		17.00
Magnesium (Mg)	as Organic	0.85
Manganese (Mn)	as Organic	0.004
Zinc (Zn)	as Organic	0.003

INVIGOR8™

PROLIFER8 is coated with INVIGOR8.

INVIGOR8™ is an Advanced Biological which contains 13 specifically selected microbes that have demonstrated primarily their ability to liberate phosphate, as well as fix nitrogen and improve plant resilience.

Each of the microbes in **INVIGOR8** have been isolated from soil samples collected from differing soil types, geographical locations and climatic conditions. The combination of the diverse individual species ensure their functionality across a broad range of locations and applications.

The microbes in **INVIGOR8** cover a wide spectrum of genera including Penicillium, Bacillus, Pseudomonas, Serriata, Pantoea and Klebsiella.

The specific phosphate liberators in **INVIGOR8** liberate phosphate by producing molecules that function to break down the calcium phosphate molecule, which is insoluble and not bio-available. Once separated, the result is soluble phosphate which can then combine with hydrogen in the soil to create bio-available molecules that are used by plants. The added benefit is the co-liberation of the calcium, another critical plant nutrient.



AVAILABLE

INVIGOR8 is available as a product coating and in a liquid or freeze-dried concentrate.



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"The combination of PROLIFER8 and INVIGOR8 provides farmers with the next generation biotechnology to deliver phosphate, via multiple pathways, to their crops."

Dr Uwe Stroehler

Dr Uwe Stroehler, PhD
R&D Manager Neutrog Australia