

ENVIROMATRIX ECM



For highly problematic soils that are very low in carbon, our hero product also includes 22 specially selected strains of beneficial bacteria and fungi with other essential nutrients - designed to help rebuild disturbed soils, increase soil carbon and improve soil health. Ideal for revegetating all areas including extreme slopes.

KEY INGREDIENTS

Biotic amendments for disturbed soils

Azotobacter	Free-living nitrogen fixers to convert atmospheric nitrogen in the soil.
Azospirillum	Produce plant growth hormones and biologically active substances.
Bacilli	Produce beneficial metabolites that are useful in plant protection, including lactic acid bacteria to help with soil condition structure.
Cellulolytic Fungi	Useful in the biodegradation, decomposition and recycling of cellulosic waste (i.e. stubble) into organic carbon.
Mycorrhiza (VAM)	Important biological components of soil life and soil chemistry. These convert nutrients and actively source phosphorus and other key minerals and harvest water.
Phosphorus Solubilizing Bacteria	Converts insoluble phosphorus (eg Rock P) into plant available "P".
Pseudomonas	Able to degrade a broad spectrum of compounds, acting as bio-remediators.
Streptomyces	Includes Actinobacteria. Helps control pathogenic microorganisms.
Saccharomyces	Important yeasts that convert carbon dioxide into organic carbon and sugars within the soil.
Trichoderma	Beneficial fungi that help to minimise wilting and damping of seedlings. Now being successfully utilised on a commercial scale for potential biological control of other pathogenic fungi.

PHYSICAL COMPOSITION

Thermally processed organic fibres, including straw, lucerne, wood fibre.	70% +/-3%
Organic soil conditioner providing rich humus-building substances, proteins, amino acids, carbohydrates, trace elements, polysaccharides, lipids, and macro and micro plant nutrients. Meets AS4454-2012 standard.	20% +/-3%
Improved water-holding capacity: cellulose, polysaccharides and starches.	✓
Minerals: up to 64 different minerals	+3%/-3%
Slow release Nitrogen: Unique polymer coated nitrogen source	>3 months
Non-toxic	✓
Colour	natural straw
Carbon to nitrogen ratio	<30:1
Moisture level	<15%
Organic carbon level	48%
Included hyrocolloid crosslinked tackifier	8% +/-2%
Manufactured degradable interlocking fibres	5% +/-2%

RECOMMENDATION APPLICATION RATES

Soil Organic Carbon Levels	EnviroMatrix ECM rate p/ha
> 4%	3000kg
> 3% - <4%	4000kg
> 2% - <3%	5000kg
<2%	6000kg
<1%	Contact manufacturer

Slopes >3-1 minimum application 4000kgs

Note: Application rates are a guide only. Always target 100% ground cover. Always consider local weather patterns and the surrounding environment when calculating application rates. Contact the manufacturer for assistance.

