



# EnviroSoil

Hydraulic Biotic Soil Amendment



A sprayable topsoil alternative.

1300 182 182  
envirosoil.com.au



# Introducing EnviroSoil

EnviroSoil has been designed as a topsoil alternative for when you need vegetation, but your soil won't support it. It is a smarter way to overcome site challenges by reclaiming your land and replacing depleted soils.

Soils and substrates that are associated with disturbed lands due to construction, mining and development are characteristically lacking in much needed organic matter, nutrients and biological activity that is relied upon to ensure sustainable vegetative growth.

The active combination of thermally refined organic fibres with high carbon and organic soil conditioners, seaweed extracts, mineral blends including basalt and microbial inoculants work as a coactive solution to rectify and improve the growing potential of the rhizosphere. The uniquely beneficial blend of nitrogen-fixing bacteria in conjunction with mycorrhizae work to stimulate the soil to mimic the natural cycle and create a sustainable growing medium for the germination of plants. Thermally treated fibres not only provide an interlocking matrix to minimise erosion, but act as an initial food source for microbial colonies to regenerate during initial plant strike.



## 8 key active components of EnviroSoil



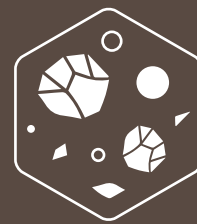
### Bio active soil conditioner

Retain moisture, suppress plant disease and pests meeting Australian standards AS4454.



### Naturally engineered plant fibres

Provides erosion control and high water retention capabilities.



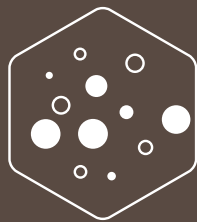
### Mineral fertiliser blend

Slow release of plant nutrients. Conditions soil, contains basalt.



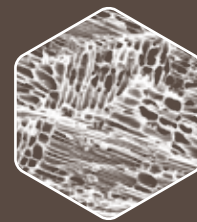
### Kelp

Feeds microbial life and stimulates growth.



### Site specific fertiliser

Custom additive to maximise success for site specific conditions.



### Biochar

High nutrient and water holding capacity. Supports soil microbes.



### Microbial inoculant

Includes VAM

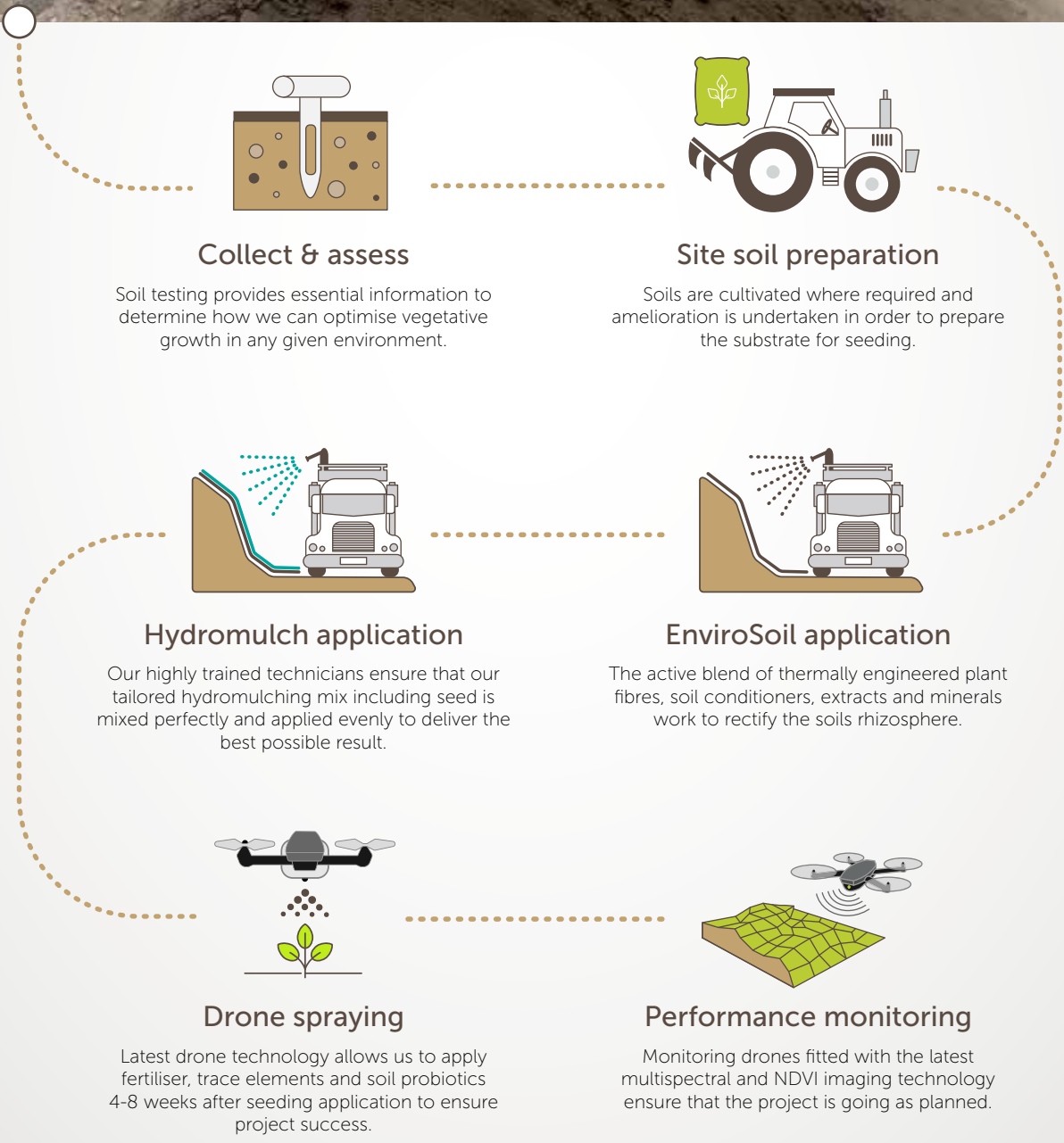


### High carbon humate soil conditioner

Source of valuable humic substances.



# Revegetation Process



# Why Choose EnviroSoil?

## Comparison of compost and topsoil against EnviroSoil.

	EnviroSoil	Compost	Topsoil
<b>Beneficial Microbes</b> – make soil minerals plant available, produce plant growth hormones and protect from disease. Microbial exudates glue particles together for improved structure.	●	●	○
<b>Microbial and Plant Growth Stimulators</b> – improve root growth and increases photosynthesis, creating healthy and strong plants.	●	●	
<b>Mycorrhizae</b> – increase plant water and nutrient absorption capacity while the network of fungal elements build soil structure and reduce compaction.	●	●	○
<b>Engineered Plant Fibres</b> – eliminate pathogens and create an interlocking matrix with high water holding capacity, reducing erosion and helping in promoting vegetation.	●		
<b>Organic Hydrocolloidal Tackifier</b> – energy source for vital microbes while ensuring all materials hold together and to the soil substrate.	●		
<b>Soil Structure Chemistry</b> – improve existing soil structures and pore space, allowing for water infiltration and root penetration while reducing crusting and loss.	●		
<b>Erosion Control</b> – a proprietary blend of materials provide superior erosion control.	●		
<b>Weed Seed Free</b> – zero weed seeds, ensuring site contamination is eradicated.	●	○	○
<b>Cost Saving</b> – EnviroSoil provides a cost-effective alternative to topsoil & compost.	\$	\$\$	\$\$\$

○ Compost and topsoil will vary from site to site.



Engineered to be hydraulically applied, EnviroSoil provides ease in application, cutting the costly labor intensive and time-consuming efforts involved in traditional methods of laying and spreading topsoil.



Utilising EnviroSoil in place of costly topsoil will not only reduce overall project costs but provide the same amount of soil building and organic components as traditional solutions to help establish growth on challenging sites.



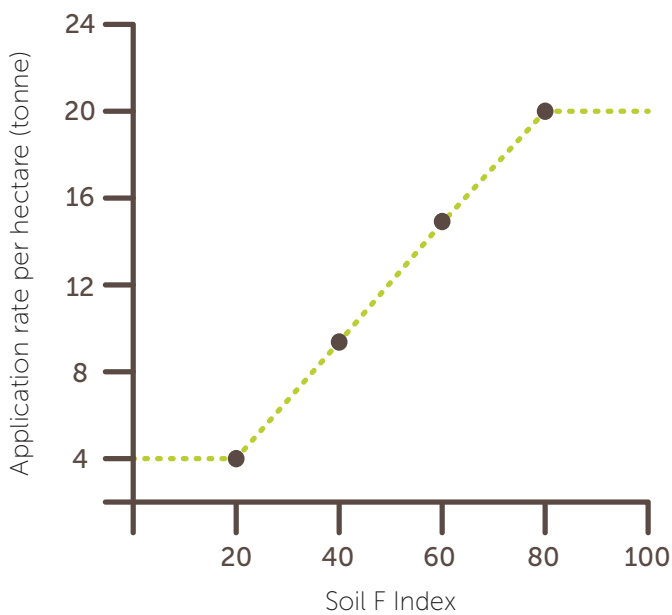
EnviroSoil has been manufactured with safety in mind. As a solution that promotes safe and effective application, EnviroSoil can be used on challenging sites with difficult access and on steep slopes where topsoil placement is impractical.



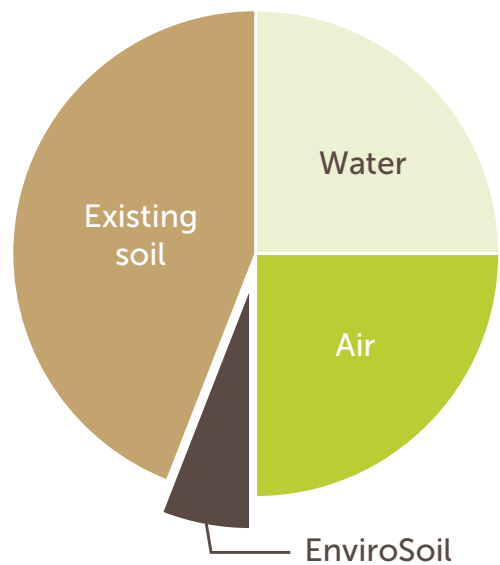
# Revegetation Process

Created with safety in mind, EnviroSoil has been designed to be applied hydraulically. Utilising HydroTruck equipment, EnviroSoil is applied using water as a carrier onto substrates with little or no organic matter. Allowing for hydraulic application means that we are able to access hard to reach and inaccessible areas, uneven terrain and steep slopes where conventional application is not achievable.

We understand that each project is different, with unique goals and challenges. That's why we have created EnviroSoil to be a tailored solution, allowing for the addition of soil amendments to the mixture at the time of spraying to further ensure the success of your revegetation and rehabilitation projects.

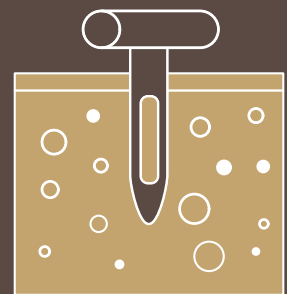


Optimum Soil Profile

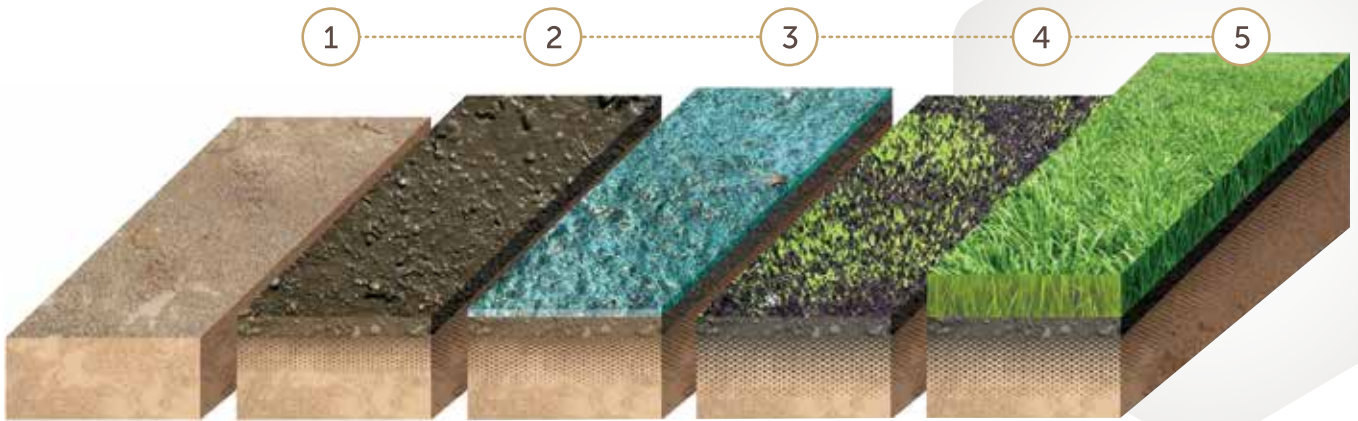


## FREE SOIL TEST

We believe that soil is the foundation for success of any revegetation project, so our programs are always based on a thorough understanding of the physical, chemical and biological characteristics found on site. Our process begins with collecting and assessing soil samples to create optimum soil conditions. The results provide us with essential information to determine what adjustments need to be made to assure a favourable growing environment. With access to over 100 various ameliorants, we are able to improve the properties of the soil's physical and microbiological environment with ease. Talk to our specialist team about how a soil test can benefit your project.



# The EnviroSoil Process



## Depleted soil

Soils associated with disturbed lands are characteristically lacking much needed organic matter, nutrients and biological activity.

## EnviroSoil application

Once applied, EnviroSoil acts as a topsoil alternative providing a blend of key soil building components to create an optimum growth environment.

## Hydromulch application

A slurry of water, seed, fertiliser, engineered plant fibres and binder are applied onto the surface, providing a temporary layer of erosion control and water retention until vegetation establishes.

## Germination at 3 weeks

The combination of EnviroSoils soil building components and Hydromulchings interlocking matrix work to create an environment for fast germination.

## Growth at 6 weeks

The properties of EnviroSoil work to amend the soil beneath with organic matter and nutrients penetrating through to create a favourable growing environment.

# Onsite With EnviroSoil



# Key Reasons Why You Should Use EnviroSoil



## Backed by Science

EnviroSoil has been thoroughly tried, tested and proven to be effective in harsh Australian conditions.



## Safe & Easy Application

Made with ease of application in mind, EnviroSoil can be hydraulically applied, reducing application time by almost half.



## Erosion Control

When utilised in combination with a hydromulching solution, EnviroSoil compliments the performance of growth mediums in providing near-perfect erosion control on all types of substrates.



## Cost-effective

Not only will hydraulically applying EnviroSoil reduce overall projects costs, it will provide the same amount of soil building and organic components as traditional solutions.



## Weed Seed Free

Utilising the highest grade organic fibre mulch, soil conditioners and mineral blends ensures that EnviroSoil remains weed-seed free, eliminating site contamination.



## Australian Owned & Manufactured

EnviroSoil is Australian-owned and manufactured.

# The best topsoil alternative on the market



## 100% Success Rate Guaranteed



### SUPPLY

Our products and services are backed by the expertise and consultation of our specialist team of Australia's leading agronomists, horticulturalists and soil scientists. We have extensively tested EnviroSoil performance in some of the most depleted and degraded soils in Australia which is why we are confident that you will achieve project success the first time around.



### APPLY

Feel confident that you are hiring knowledge and expertise. Our highly trained technicians utilise our specialist equipment to apply product with precision and accuracy, meeting Australian Safety, Environmental and Quality standards.



### GUARANTEE

Access qualified advice from our specialists about how we can guarantee outstanding results on your next project when our products are supplied and applied onsite by our expert team.



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