



Bio-Gran

Turf Activator/Soil Conditioner

Locally made for local conditions

Product information

Bio-Gran Turf Activator is an 'activated carbon soil conditioner' which can be used in conjunction with water soluble or slow releasing forms of nutrients, correcting soil analytical deficiencies associated to hydrogen, salts, sodium and heavy metal residues. These deficiencies can retard the availability of necessary major and minor elements essential for turf and soil vitality.

Though not fully understood why, the use of Carbon on Turf enhances colour and vigour, especially over dormancy and cooler periods.

Bio-Gran Turf Activator is well suited to bowling and golf greens, fairways, sportsgrounds; in fact, any turf areas where budgetary restraints necessitate the use of recycled or grey water. Also, ideal where moisture retention, reductions in leaching and suspension efficiency of valuable nutrients are critical. Bio-Gran Turf Activator is a lignatious material made from Brown Coal and Natural Organic compounds supplying the soil with Humus, Activated Carbon and Sulphur.

Benefits

- Reduces sodium levels
- Improves water retention
- Stimulates seed germination
- Reduces soil compaction
- Increases rhizobium activity
- Improves drainage
- Encourages root development
- Adds humus to the soil

Usage

- Can be used on all turf grass areas for regular maintenance or renovation
- Can be used in conjunction with other fertilisers
- Releases locked up nutrients related to salinity and black layer levels
- Increases soil vitality due to compaction related issues
- Naturally derived carbon content sustains more humate activated microbiology
- Suspends applied nutrients more efficiently in acid and alkaline soils without leaching or retarding nutrient distribution

**Pack size:
25 kg & 1 Tonne
Bulk Bag**

Product Technical Information

Minimum analysis:

Nitrogen (N) as natural organic compound	2.2%
Phosphorus (P) as citrate soluble	1.0%
Potassium (K) as sulphate	4.2%
Sulphur (S) as natural organic compound	5.7%
Magnesium (Mg)	2.4%
Zinc (Zn)	0.25%
Calcium (Ca)	11%
Boron (B)	0.06%
Manganese (Mn)	0.25%
Copper (Cu)	0.125%
Iron (Fe)	0.1%
Molybdenum (Mo)	0.01%
Carbon (C) as nitrified brown coal	36%
Humate content	24.48%

Suggested application rate:

Situation	Rate	Longevity	Comments
New construction	5 - 15 kg per 100m ²	8 - 10 weeks	Apply to cultivated or aerated soil so as to disperse granules into the turf soil surface
Renovation	5 - 15 kg per 100m ²	8 - 10 weeks	For best results, apply to aerated soil so as to disperse granules into the turf soil surface. Irrigate after application
General maintenance	4 - 5 Kg per 100m ²	8 - 10 weeks	