

Sustane ReGen® is a structural soil conditioner that supplies organic-rich and biologically stable humus, humic acids, beneficial microorganisms, zeolite, mycorrhizae, seaweed and organic nutrients.

Increase water and air infiltration, reduce long term compaction, and create a soil that will support diverse microbiology to provide turfgrass with strong defences against stress and disease whilst also increasing conversion of damaging thatch and surface debris into beneficial humus.

A great alternative to straight zeolite in the construction of new sand-based sports pitches at training grounds and stadiums. Also, an excellent tool for reinvigorating your golf greens soil at renovation time.

- Increases oxygen availability whilst also providing excellent high-carbon microbial food sources and a microbially diverse population into your soil. This offers major improvements to soil health and function.
- Very high cation exchange capacity soil amendment to increase nutrient availability and reduce drought stress.
- Mycorrhizae will associate with perennial grass species such as Bent, Fescue and Rye to help out-compete Poa and improve nutrient and water uptake while reducing stress.
- Improved soil structure gives a better air to water ratio to maximise oxygen supply to the soil, increase rooting and soil microbiological activity leading to enhanced thatch breakdown and reduced plant stress.
- Encourages vigorous root growth for both new seedlings and established turf.
- Allows plants to more effectively reach nutrients whilst also preventing leaching. This results in an overall more efficient nutrition programme that reduces wasted inputs.



Product	Pack Size	Rate
Sustane ReGen	22.7kg	Turf Establishment = 150 - 1,500g/m ² Top Dressing = 50 - 150g/m ² After Coring/Scarifying = 50 - 150g/m ²

Usage Period												
Product	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Sustane ReGen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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Roles of Sustane ReGen Ingredients:

- **Aerobic Compost:** Sustane's unique 6 month aerobically composted organic material that is rich in bacteria, protozoa and beneficial fungi.
- **Azomite:** A natural mineral rich in trace elements that ensures sand-based constructions have no deficiencies of minor elements that can cause poor growth of newly seeded areas.
- **Biochar:** Good source of carbon to increase microbial proliferation. It also has been found to help soils retain nutrients and moisture giving plants reduced stress. Also helps buffer soils against pH reduction through acidifying fertilisers.
- **Langbeinite:** Rich in lower salt potassium, sulphur and magnesium, langbeinite is a mineral that provides a slow release of these vital nutrients in plant-friendly manner with no effect on pH.
- **Mycorrhizae:** Beneficial soil fungi that associates with perennial plant roots to improve plant nutrient and water uptake whilst also increasing stress tolerance of the turf.
- **Zeolite & Pumice:** Increases soil CEC to make nutrients and water more readily available. Maintains good oxygen levels in the soil to allow soil microbial life to flourish. Resists compaction, soil pans and layering and keeps infiltration and drainage rates high.
- **Granular Seaweed:** An excellent soil conditioner to feed soil microbiology, reduce stress and increase plant rooting mass and strength. A source of carbon to feed the soil food web.
- **Silicon Dioxide:** Silicon is a 'beneficial' rather than 'essential' element that can improve cell wall strength, increasing pest and disease resistance while improving cell turgidity.
- **Humates:** Independent research shows an increase in rooting, particularly in the seedling stage to aid establishment of a new surface. Have a huge surface area to massively increase CEC. Feeds and provides a habitat for soil microbiology.
- **Organic N:** Slow release nitrogen that trickles nutrition for 2-3 months

Issue	Suggested Solutions
High-Spec football/rugby pitch at end of season renovations.	Apply Sustane ReGen at 100 - 250g/m ² on sand-based pitches prior to seeding, working into the top few inches if the construction allows. With stitched/hybrid pitches aerate and work ReGen into the tine holes. For brand new high spec hybrid constructions application rates up to 1500g/m ² as a replacement or partner to zeolite incorporation sub-surface are appropriate.
Improving existing turf surfaces such as football/rugby pitches, golf greens and all sports turf areas.	Aerate the surface prior to application and apply at 50-150g/m ² . Brush Regen down into aeration holes to reduce effects of compaction, increase CEC, plant health and rooting.

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