

BioBoost



Contains hydrogen peroxide which reacts in the soil to release extra oxygen into the rootzone.

Increased oxygen in the soil will increase beneficial aerobic bacterial populations, reduce disease and black layer potential and help break down thatch.



- Take advantage of the open surface following aeration by applying BioBoost to increase the oxygen content of the soil.
- Use alongside a regular aeration programme to maximise the benefits of the cultural work.
- Increased oxygen allows anaerobic bacteria to be out-competed by aerobic bacteria to encourage a healthy soil.
- A higher level of aerobic bacteria will bring a greater breakdown of organic matter and an increase in nutrient availability.
- Black layer only occurs in anaerobic conditions. Increasing the oxygen content of the soil breaks down existing black layer and prevents formation of new layering.

Product	Pack Size	Rate	Water Volume
BioBoost	10 litre	10-30 ltr/ha	300 ltrs/ha

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

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- Increase the benefits of aeration work without any further disruption to the surface.
- Reduce stress and disease potential by creating a healthier soil that allows aerobic microbiology to flourish.
- Increase root mass by reducing black layer conditions that are toxic to grass roots.
- Apply at a high water volume (600l/ha) with a coarse spray so the product is targeted at the soil.
- Can be tank-mixed with other soil-targeted products such as wetting agents and biostimulants.
- Hydrogen peroxide has been proved in scientific studies to increase root growth, enhance microbial activity and plant health by increasing oxygen availability under hypoxic soil conditions.
- Increased microbial activity will 'loosen' thatch to increase percolation rates.



- **Although BioBoost has mixed successfully with many products, always carry out a jar test to check compatibility of products before tank mixing.**
- **There is evidence that hydrogen peroxide can degrade pesticides, so try to avoid tankmixing with insecticides. Avoid tank-mixing with Control De-Thatcher and Companion as neat hydrogen peroxide can damage soil microbes.**

Issue	Suggested Tank Mix (per ha)
Slow-draining surface, high thatch levels, aeration infrequent due to lack of equipment or pressure not to disturb the playing surface.	Whenever aeration is allowed, apply 30l/ha BioBoost immediately afterwards to maximise the oxygen available to the soil. Try to open the surface between major aeration (eg. Sarel rolling) and apply 10-20l/ha BioBoost.
Black layer problems and anaerobic soil conditions.	Aerate monthly followed by 20-30l/ha BioBoost until soil conditions improve. Follow with 10-15l/ha after every aeration event. Use Sustane/Growth products nutrition low in iron/sulphur.
Good surface, but organic matter levels rising despite good aeration practices.	Apply BioBoost as a regular treatment (ideally after aeration) every 4-6 weeks during the growing season at a rate of 10-20l/ha.

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