

BioNutrients Total Pak 1.0.4



A unique blend of organic nutrients, seaweed, humic acid, arbuscular mycorrhizal fungi, chelated micronutrients and multiple beneficial bacteria in an easy-to-use 100% soluble pack.

A cost-effective method of building soil structure and health, improving rooting, reducing stress and improving turf colour. BioNutrients contains 100% 'active' ingredients with none of the inert fillers you find in some soluble products.



- Maintain turf health and colour without forcing unwanted growth.
- Excellent formulation for sports pitches, fairways, tees and high quality lawns.
- A blend of beneficial mycorrhizal fungi to aid establishment, promote root growth and enable plants to extract available nutrients from the soil.
- Beneficial Bacillus and Pseudomonas spp. bacteria protect roots and provide stress resistance.
- Rich, organic carbon food sources from Humic Acid, Seaweed and natural sugars to feed beneficial soil biology and promote healthy soils and plants.
- Reduce inputs of chemicals and inorganic fertilisers that are high in salts, while still producing healthy, strong turf.
- Contains an organic wetting agent to aid penetration into the soil.

Product	Pack Size	Rate	Water Volume
Total Pak 1.0.4	250g sachets	1-4 packs/ha	600 ltrs/ha

Usage Period												
Product	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Total Pak 1.0.4			✓	✓	✓	✓	✓	✓	✓	✓	✓	

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- Ideal as a tank mix with surfactants (apply to the soil, not the leaf).
- Useful in USGA/sand rootzones with low CEC to improve nutrient retention.
- Apply throughout the growing season as part of a programme for best results.
- Effective in seedling establishment when applied pre and post seeding/turfing.
- Can be dry-mixed with sand at 1-2 packs per cubic metre to enhance seed germination.
- Highly effective low cost organic stimulant when used in borders, beds and general landscaping.
- Tank-mixable with most pesticides and fertilisers.
- Contains natural yucca wetting agent to help penetration into the soil.



- **Do not agitate when adding herbicides as this can cause foaming.**
- **Although BioNutrients 1-0-4 has mixed successfully with many products, always carry out a jar test to check compatibility of products before tank mixing.**

Issue	Suggested Tank Mix (per ha)
Fairways in need of increased health and stress resistance without forcing growth	Apply BioNutrients 1.0.4 at 1-2 packs per hectare on a monthly programme throughout the growing season. Start early in the season for maximum benefits of pre-stress conditioning.
Sports pitches looking for stress reduction, increased root growth and enhanced seed germination.	Apply 2-4 packs of BioNutrients 1.0.4 per hectare on a monthly basis. Increase rate or frequency when overseeding to increase seed take and speed up establishment of new plants into the soil.
Landscape plants such as shrubs and trees in need of easy application of material to reduce stress and enhance nutrient uptake, particularly new plants and transplanted specimens.	Mix 1 pack per 50 – 200 litres of water and apply liberally as a soil drench. Repeat 2-3 times per year.

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