Technical Data

PRO-MIX® HP BIOSTIMULANT™+ MYCORRHIZAE™

PRO-MIX® HP BIOSTIMULANT™ + MYCORRHIZAE™ is a unique 'high-porosity', peat-based professional growing medium that combines the most advanced technologies in bio-additives. This product contains a high-quality biostimulant that works in synergy with the growth enhancement qualities of the only 100% contaminant-free mycorrhizae. BIOSTIMULANT™ (*Bacillus pumilus* PTB180) enhances root growth and MYCORRHIZAE™ (*Glomus intraradices* PTB297) benefits plants by increasing water and nutrient acquisition for improved, overall plant growth. PRO-MIX® HP BIOSTIMULANT™ + MYCORRHIZAE™ is ideal for water sensitive horticulture crops, rooting cuttings and/or low-light growing conditions, especially when high air-capacity and extra drainage are required.

INGREDIENTS:

Sphagnum Peat Moss (65-75% in volume)	Dolomitic Limestone	Wetting Agent
Horticultural Grade Perlite	Macronutrients	BIOSTIMULANT™ (*Bacillus pumilus* PTB180)
Calcitic Limestone	Micronutrients	MYCORRHIZAE™ (*Glomus intraradices* PTB297)

CHEMICAL CHARACTERISTICS:

PRO-MIX® HP BIOSTIMULANT™ + MYCORRHIZAE™ contains a balanced nutrient charge to promote initial plant development. During crop production, it is necessary to initiate a fertilization program. The program selected should consider water nutrient content, crop type and stage of plant development. Begin fertilization within 7 days after planting and maintain fertilizer applications throughout the course of crop production. To ensure plants receive proper nutrition, it is advisable to periodically analyze nutrient content of fertilizer solution, growing media, and plant tissue to ensure proper levels of nutrients are maintained throughout the crop cycle.

pH Range:	5.2 - 6.2 (S.M.E.) *
pH Incubated:	< 6.2 after 7 days saturation (S.M.E.)
Electrical Conductivity:	1.0 – 1.8 mmhos/cm (S.M.E.)

ppm (mg/l) *										
NO3-N nitrate	PO4-P phosphate	K potassium	Ca calcium	Mg magnesium	S-SO4 sulfate	Fe iron	Zn zinc	Cu copper	Mn manganese	B boron
70-130	5-40	50-130	100-180	20-45	30-100	0.8-2.2	0.1-1.2	< 0.3	0.3-1.0	< 0.6

* Saturated Medium Extract

PHYSICAL CHARACTERISTICS:

Air Porosity:	14 - 20% by volume (6 inch pot)
Bulk Density:	8 - 10 lb./cu ft (0.13-0.16 g/cm^3)
Moisture Content:	35 - 50 % by weight
Saturated Weight:	55 lb./cu ft (880 g/l) avg.
Water-Holding Capacity:	50 - 70 % by volume

APPLICATIONS:

Bedding Trays	Long-term Crops	Propagation
Foliage	Perennials	Stock plants
Hanging Baskets	Potted Flowering	Cannabis

Plant growth and mycorrhizal colonization will vary according to plant species. Best results are obtained when crops are transplanted at the seedling stage just after the emergence of true leaves. Refer to Product Information Sheet for more details about BIOSTIMULANT™ + MYCORRHIZAE™

Package Specifications:	Code	Package Size	Units / Pallet	Weight / Unit	Minimum Yield
	2005700RG	0.5 cu ft Open Top Grow bag	294	4.0-5.5 lb	0.5 cu ft
	2010700RG	1 cu ft Open Top Grow bag	135	8.5–9.5 lb	1 cu ft
	2028700RG	2.8 cu ft loose	57	25-35 lb	2.8 cu ft
	2038700RG	3.8 cu ft comp	30	60-75 lb	7 cu ft
	2080700RG	80 cu ft loose	2	700-850 lb	80 cu ft
	2135700RG	135 cu ft comp	1	2200-2700 lb	250 cu ft

** Note: These values are representative of Quality Control Analysis at time of manufacturing. This data is for information purposes only and cannot be used as a warranty.*

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