

# Technical Data



PRO-MIX® HP MYCORRHIZAE™ is a high porosity peat-based growing medium ideal for water sensitive crops, rooting cutting and/or low-light growing conditions that contains a beneficial mycorrhizal inoculum (*Glomus intraradices*). These microscopic fungi attach to and colonize root systems to benefit plants by increasing water and nutrients acquisition (especially Phosphorus, Copper and Zinc). This symbiotic relationship between fungi and plant results in overall improved plant growth. PRO-MIX HP MYCORRHIZAE™ is suitable for a wide variety of horticultural plants, 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	MYCORRHIZAE™
Calcitic Limestone	Micronutrients	

## CHEMICAL CHARACTERISTICS:

PRO-MIX® HP MYCORRHIZAE™ contains a balanced nutrient charge to promote initial plant development. During the course of 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 insure plants receive proper nutrition, it is advisable to periodically analyze nutrient content of fertilizer solution, growing media and plant tissue to insure 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 <sup>3</sup> )
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	

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 MYCORRHIZAE™.

Package Specifications:	Code	Package Size	Units / Pallet	Weight / Unit	Minimum Yield
	20281RG	2.8 cu ft loose	57	25-35 lb	2.8 cu ft
	20381RG	3.8 cu ft comp	30	60-75 lb	7 cu ft
	20551RG**	55 cu ft comp	2	800-1050 lb	100 cu fu
	20801RG	80 cu ft loose	2	700-850 lb	80 cu ft
	21351RG	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.

\*\* West Only

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