

**PRO-MIX 'HP' with Mycorise®PRO**

PRO-MIX 'HP' with MycorisePRO is a unique 'High Porosity' professional growing medium that contains a beneficial mycorrhizal inoculum, *Glomus intraradices*. These microscopic fungi attach to and colonize root systems forming a symbiosis with plants. Endomycorrhizal fungi benefit the host plant by increasing nutrient absorption (especially Phosphorus, Copper and Zinc), reducing water stress and other stresses associated with transplanting. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plants results in improved plant growth. PRO-MIX 'HP' with MycorisePRO is ideal for water sensitive crops, propagation of cuttings and/or low light growing conditions.

<b>COMPONENTS:</b>	Sphagnum Peat Moss (70 % by volume)	Dolomitic Limestone
	Horticultural Grade Perlite (30% by volume)	Wetting Agent
	Calclitic Limestone	MycorisePRO

**CHEMICAL CHARACTERISTICS:**

PRO-MIX 'HP' with MycorisePRO 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. 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.

<b>pH Range:</b>	5.2 - 6.2 (S.M.E.)
<b>pH Incubated:</b>	< 6.2 after 7 days saturation (S.M.E.)
<b>Electrical Conductivity:</b>	1.3 - 2.0 mmhos/cm (S.M.E.)
<b>S.M.E.<sup>1</sup> Nutrient Analysis:</b>	

ppm (mg/l) *										
NO <sub>3</sub> -N nitrate	PO <sub>4</sub> -P phosphate	K potassium	Ca calcium	Mg magnesium	S-SO <sub>4</sub> sulfate	Fe iron	Zn zinc	Cu copper	Mn manganese	B boron
70-130	5-40	70-150	130-210	20-45	30-100	1.0-2.5	0.1-1.0	< 0.3	0.3-1.5	< 0.6

1 - Saturated Medium Extract

**PHYSICAL CHARACTERISTICS:**

PRO-MIX 'HP' with MycorisePRO is a peat-based growing medium formulated to provide optimum air-porosity and low water-retention for use with water sensitive crops. Increased aeration results in reduced incidence of water-related diseases for healthier root systems and improved plant performance. PRO-MIX 'HP' with MycorisePRO is lightweight, porous and suitable for a wide range of greenhouse crops, particularly when a medium with good aeration and less water retention is required.

<b>Air Porosity:</b>	14 - 20% by volume (6 inch pot)
<b>Bulk Density:</b>	8 - 10 lb./cu.ft. (0.13-0.16 g/cm <sup>3</sup> )
<b>Moisture Content:</b>	30 - 50 % by weight
<b>Saturated Weight:</b>	42 lb./cu.ft. (665 g/l)
<b>Water-Holding Capacity:</b>	50 - 70 % by volume

PACKAGE SPECIFICATIONS:	Code No.	Size	Packing	Weight	Minimum Yield
	0756PMYC	70 cu.ft. Bulk bag	2/pallet	600-750 lb	70 cu.ft.
	0421PMYC	55 cu.ft. Compressed	2/pallet	800 -1050 lb	100 cu.ft.
	0439PMYC	3.8 cu.ft. Compressed	30/pallet	60 - 75 lb	7 cu.ft.
	0489PMYC	3 cu.ft. Loose fill bag	54/pallet	30 - 40 lb	3 cu.ft.

<b>APPLICATIONS:</b>	BEDDING TRAYS FOLIAGE	HANGING BASKETS LONG-TERM CROPS	PERENNIALS POTTED FLOWERING	PROPAGATION STOCK PLANTS
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Plant growth and mycorrhizal colonization will vary according to plant species. Plant roots must be in contact with PRO-MIX with MycorisePRO for a minimum of 3-4 weeks to effectively colonize root systems. Best results are obtained from direct seeding or transplanting at the seedlings stage after the emergence of true leaves. Refer to **Product Information Sheet** for more details about MycorisePRO.

*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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