STEP® Hi-Mag

STEP® Hi-Mag is our secondary micronutrient package to Micromax®. We use this package in many of our blends because it is slightly lower in cost and there are many growing situations where Calcium levels in the water are high and it is important to provide extra Magnesium, Iron, Manganese, Copper and Zinc to the plants. These micronutrients are provided in both readily available and slowly available forms to charge the growing media and sustain growth over a long period of time.

Target Crops/ Special Uses

STEP® Hi-Mag is commonly used when growers are blending their own media mixes. Many use Osmocote® with no minor nutrients added and add either STEP® Hi-Mag or Micromax®. Others find success with higher levels of minor nutrients in their mix and add additional STEP® Hi-Mag. It is also used as a topdress on containers and soils to satisfy the need for or boost minor nutrients. STEP® Hi-Mag is a high quality, reliable addition to your growing system.

PRODUCT ADVANTAGES

- Provides important secondary and micronutrients to support initial and continued growth of container-grown and landscape ornamentals.
- Dry, free-flowing, dense, homogeneous product of uniform particle size provides enhanced distribution of nutrients and minimizes dust.
- Can be incorporated or surface applied.

Where needs take us

ICL Specialty Fertilizers

STEP® Hi-Mag

GUARANTEED ANALYSIS F1877

Magnesium (Mg) 12.00%
6.00% Water Soluble Magnesium
Sulfur (S) 9.00%
9.00% Combined Sulfur
Copper (Cu) 0.5%
0.01% Water Soluble Copper
Iron (Fe) 8.00%
0.01% Water Soluble Iron
Manganese (Mn) 3.00%
2.00% Water Soluble Manganese
Zinc (Zn) 1.00%
0.01% Water Soluble Zinc

Derived from: Magnesium Oxide, Magnesium Sulfate, Copper Sulfate, Copper Oxide, Iron Sulfate, Iron Oxide, Manganese Sulfate, Manganese Oxide, Zinc Oxide and Zinc Sulfate

APPLICATION RATES

The application rates listed are intended as a guideline in developing a fertilization program. These rates may or may not apply to your area or growing conditions. It is the responsibility of the grower to determine the appropriate rate. Your rate may be higher or lower than suggested based on your growing conditions. Follow label instructions and use care when handling all fertilizer products.

FOR PROFESSIONAL USE ONLY

ICL Specialty Fertilizers recommends a product trial prior to adopting a new fertilizer program. Product selection and application rate should be based on individual grower practice. The following are general recommendations only.

SUGGESTED APPLICATION RATES:

CONTAINER NURSERY STOCK SUGGESTED APPLICATION AND RATES

Product selection and application rate should be based on individual grower practices. Some factors that influence selection include:

- Climate
- Specific Crop
- Type of Growing Media
- Other Nutrient Sources
- Irrigation Type
- Rainfall Amount

GREENHOUSE & NURSERY TOPDRESS RATES PER CONTAINER (GRAMS)

SURFACE APPLICATION RATES PER CONTAINER (GRAMS)*

Container Size	Approx. No. of Containers per Cubic Yard**	Low	Medium	High
Trade 1 gal.	300	2	3	5
Trade 2 gal.	125	6	7	11
3 gal.	70	10	13	20
5 gal.	50	14	18	28
7 gal.	35	19	25	38

* Visit www.icl-sf.com for a more comprehensive container list.

** Actual container fill rates may vary depending on container brand, specific growing media and fill method.

INCORPORATION RATES

Volume or area of mix	Low	Medium	High
Per cubic foot (oz.)	0.9	1.2	1.8
Per cubic yard (lb.)	1.5	2.0	3.0
Per cubic meter (kg.)	0.9	1.2	1.8

APPROXIMATE VOLUME MEASURES / MEDICIONES APROXIMADAS DEL VOLUMEN

ICL Yellow Spoons (level)	#1	#2	#3	#4	#5	#6	#7
Approximate Weight (in grams)	11	17	22	48	65	98	125
Conventional Measures (level)	1 tsp.	1 tbsp.	1/4 c.	1/3 c.	1/2 c.	1 c.	
Approximate Weight (in grams)	7	21	85	110	170	340	

28 grams = 1 oz. / 454 grams = 1 lb. 28 gramos = 1 oz. / 454 gramos = 1 lb.

4950 Blazer Memorial Parkway, Dublin, Ohio 43017
Product Code G8435