



16-6-12 NPK MAX

DESCRIPTION: A PROFESSIONAL HOMOGENEOUS 5 TO 6 MONTH \diamond CONTROLLED RELEASE NURSERY FERTILIZER FOR ANNUALS, PERENNIALS, FOLIAGE PLANTS, GREENHOUSE CROPS AND OUTDOOR ORNAMENTALS. ALL OF THE PRIMARY NUTRIENTS, MAGNESIUM, SULFUR, AND MICRONUTRIENTS IN APEX 16-6-12 NPK MAX ARE COMBINED WITHIN EACH UNIFORM COATED PELLET, INSURING PRECISE DISTRIBUTION AND RELEASE.

BENEFITS:

- APEX® 16-6-12 NPK MAX provides the improved safety of POLYON® Reactive Layers Coating (RLC) controlled release technology.
- Release of nutrients with POLYON® is predictable and reliable. The coating has been precisely applied to ensure the safety and effectiveness of each granule.
- Release of nutrients is not significantly affected by media type, moisture level, pH, or microbial activity.



SOIL/MEDIA TEMPERATURE RELEASE RATES

50°F	10.0°C	= 8-9 months
60°F	15.5°C	= 7-8 months
70°F	21.0°C	= 5-6 months \diamond
80°F	26.5°C	= 4-5 months

APEX 16-6-12 NPK MAX U.S. STANDARD GUARANTEED ANALYSIS:

TOTAL NITROGEN (N)*	16.00%
8.80% Ammoniacal Nitrogen	
7.20% Nitrate Nitrogen	
AVAILABLE PHOSPHATE (P ₂ O ₅)*	6.00%
SOLUBLE POTASH (K ₂ O) *	12.00%
Magnesium (Mg)*	1.40%
Sulfur (S)*	6.00%
Copper (Cu)*	0.05%
Iron (Fe)*	0.30%
0.30% Chelated Iron	
Manganese (Mn)*	0.10%
Molybdenum (Mo)*	0.01%
Zinc (Zn)*	0.05%

Derived from Polymer-Coated Ammonium Nitrate, Polymer-Coated Ammonium Phosphate, Polymer-Coated Sulfate of Potash, Polymer-Coated Magnesium Sulfate, Polymer-Coated Copper Sulfate, Polymer-Coated Iron EDTA, Polymer-Coated Manganese Sulfate, Polymer-Coated Sodium Molybdate, and Polymer-Coated Zinc Sulfate.

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*All nutrients have been polymer-coated to provide 16.00% coated slow release nitrogen (N), 6.00% coated slow release available phosphate (P₂O₅), 12.00% coated slow release soluble potash (K₂O), 1.40% coated slow release magnesium (Mg), 6.00% coated slow release sulfur (S), 0.05% coated slow release copper (Cu), 0.30% coated slow release iron (Fe), 0.10% coated slow release manganese (Mn), 0.01% coated slow release molybdenum (Mo), and 0.05% coated slow release zinc (Zn).

APEX 16-2.6-9.9 NPK MAX ELEMENTAL GUARANTEED ANALYSIS:

TOTAL NITROGEN (N)**	16.00%
8.80% Ammoniacal Nitrogen	
7.20% Nitrate Nitrogen	
TOTAL PHOSPHORUS (P)**	2.60%
TOTAL POTASSIUM (K) **	9.90%
Magnesium (Mg)**	1.40%
Sulfur (S)**	6.00%
Copper (Cu)**	0.05%
Iron (Fe)**	0.30%
0.30% Chelated Iron	
Manganese (Mn)**	0.10%
Molybdenum (Mo)**	0.01%
Zinc (Zn)**	0.05%

Derived from Polymer-Coated Ammonium Nitrate, Polymer-Coated Ammonium Phosphate, Polymer-Coated Sulfate of Potash, Polymer-Coated Magnesium Sulfate, Polymer-Coated Copper Sulfate, Polymer-Coated Iron EDTA, Polymer-Coated Manganese Sulfate, Polymer-Coated Sodium Molybdate, and Polymer-Coated Zinc Sulfate.

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**All nutrients have been polymer-coated to provide 16.00% coated slow release nitrogen (N), 2.60% coated slow release total phosphorus (P), 9.90% coated slow release total potassium (K), 1.40% coated slow release magnesium (Mg), 6.00% coated slow release sulfur (S), 0.05% coated slow release copper (Cu), 0.30% coated slow release iron (Fe), 0.10% coated slow release manganese (Mn), 0.01% coated slow release molybdenum (Mo), and 0.05% coated slow release zinc (Zn).

APPLICATION RATES: (Call for rates on larger containers.)

Use LOW rate for low feeding, sensitive plants or under high soil temperatures.

Use MEDIUM rate for medium to moderately heavy feeding plants.

Use HIGH rate only for heavy feeding hardy plants.

These application rates are based on the average temperature at the fertilizer location of 70°F (21.0°C).

Increase fertilizer application rates by 20% if average monthly temperatures are lower than 60°F (15.5°C).

Lower application rates by 20% if average monthly temperatures are greater than 80°F (26.5°C).

Techsheets, MSDS and other information on APEX products available at: www.apexfertilizer.com

CONVERSION TABLE			
DRY MEASURE			
Level Measure	Grams	Oz.(Wt.)	
1 teaspoon (tsp.)	5.7	0.20	
1 tablespoon (tblsp.)	17.8	0.63	
1/4 cup	56.1	1.98	
1/2 cup	121.3	4.28	
POLYON SPOONS			
Size	Grams	Oz. (Wt.)	Size Grams Oz.(Wt.)
1	10.5	0.37	5 37.8 1.33
2	15.6	0.55	6 54.2 1.91
3	21.1	0.74	7 71.3 2.52
4	26.4	0.93	8 86.0 3.03

TOPDRESS CONTAINER: Plant Nutrient Requirements / Uniformly apply (topdress) product onto the container surface using the amounts listed below.

VOLUME (gal.)	DIAMETER	LOW	MEDIUM	HIGH	DIAMETER (mm)	LOW	MEDIUM	HIGH
1 gallon	6 inches	3.5g	7 g	10.5g	100mm	0.7 g	1.4 g	2.1 g
2 gallons	8 inches	8 g	15 g	23 g	125mm	1.5 g	3.0 g	4.5 g
3 gallons	10 inches	13 g	26 g	39 g	150mm	2.5 g	5.0 g	7.5 g
5 gallons	12 inches	20 g	40 g	60 g	175mm	4.0 g	8.0 g	12.0 g
7 gallons	14 inches	30 g	60 g	90 g	200mm	6.0 g	12.0 g	18.0 g
10 gallons	17 inches	50 g	100 g	150 g	250mm	15.0 g	30.0 g	45.0 g
15 gallons	18 inches	70 g	140 g	210 g	300mm	20.0 g	40.0 g	60.0 g

INCORPORATION: Plant Nutrient Requirements / Uniformly mix (incorporate) nursery fertilizer into potting media as follows:

POUNDS PER CUBIC YARD	LOW 3.5	MED 7	HIGH 10.5	KILOGRAMS PER CUBIC METRES	LOW 2	MED 4	HIGH 6
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PLANTING BED: FIELD / Plant Nutrient Requirements (incorporate if possible or use lower rates) as follows:

POUNDS PER 100 SQ.FT.	LOW 1.5	MED 3	HIGH 4.5	KILOGRAMS PER 100 SQ. METRES	LOW 7	MED 14	HIGH 21
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APPLICATION PRECAUTIONS:

- Trial before use of this product under your local growing conditions, application methods, and desired rates. Avoid application to plants under stress.
- If mixed media is not used within 1 week, leach thoroughly before using.
- Product left in media for more than 1 week will lose longevity resulting in reduced release time and wasted controlled release fertilizer.
- Avoid the use of media processing equipment that could change the integrity of RLC.
- Avoid mounding of fertilizer against base of plant.
- Iron and other plant nutrients can cause staining of cement.
- Keep away from pools, ponds, and other bodies of water.
- When using potting media with higher cation exchange capacities use lower recommended rates of this formulation.
- When using supplemental liquid feed reduce the rate of this formulation accordingly.
- Do not incorporate into media prior to steam sterilization.
- This product is not recommended for dibble applications.
- To avoid buildup of soluble salts, occasional leaching may be necessary.
- CAUTION: Application of fertilizer materials containing Molybdenum (Mo) may result in forage crops containing levels of Molybdenum (Mo) that are toxic to ruminant animals.