



16-5-9 NPK PLUS

DESCRIPTION: A PROFESSIONAL 6 TO 7 MONTH \diamond CONTROLLED RELEASE NURSERY FERTILIZER SPECIFICALLY FORMULATED FOR THE NUTRITIONAL NEEDS OF CONTAINER PERENNIALS AND ROSES. ALL OF THE PRIMARY NUTRIENTS IN APEX 16-5-9 NPK PLUS ARE COMBINED WITHIN EACH UNIFORM COATED PELLET, INSURING PRECISE DISTRIBUTION AND RELEASE.

BENEFITS:

- APEX® 16-5-9 NPK PLUS 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 = 6-7 months \diamond
- 80°F 26.5°C = 5-6 months

APEX 16-5-9 NPK PLUS GUARANTEED ANALYSIS:

TOTAL NITROGEN (N)*	16.00%
8.60% Ammoniacal Nitrogen	
7.40% Nitrate Nitrogen	
AVAILABLE PHOSPHATE (P ₂ O ₅)*	5.00%
SOLUBLE POTASH (K ₂ O) *	9.00%
Magnesium (Mg)	0.50%
Sulfur (S)*	4.00%
Copper (Cu)	0.05%
Iron (Fe)	1.60%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.0006%
Zinc (Zn)	0.05%

Derived from Polymer-Coated Ammonium Nitrate, Polymer-Coated Ammonium Phosphate, Polymer-Coated Sulfate of Potash, Magnesium Carbonate, Magnesium Oxide, Copper Sulfate, Ferric Oxide, Ferrous Sulfate, Manganese Oxide, Manganese Sulfate, Sodium Molybdate, Zinc Sulfate and Zinc Oxide.

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*The nitrogen, phosphate, potash and sulfur materials in this product have been coated to provide 16.00% coated slow release nitrogen (N), 5.00% coated slow release available phosphate (P₂O₅), 9.00% coated slow release soluble potash (K₂O), and 3.30% coated slow release sulfur (S).

U.S. STANDARD

APEX 16-2.1-7.4 NPK PLUS GUARANTEED ANALYSIS:

TOTAL NITROGEN (N)**	16.00%
8.60% Ammoniacal Nitrogen	
7.40% Nitrate Nitrogen	
TOTAL PHOSPHORUS (P)**	2.10%
TOTAL POTASSIUM (K) **	7.40%
Magnesium (Mg)	0.50%
Sulfur (S)**	4.00%
Copper (Cu)	0.05%
Iron (Fe)	1.60%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.0006%
Zinc (Zn)	0.05%

Derived from Polymer-Coated Ammonium Nitrate, Polymer-Coated Ammonium Phosphate, Polymer-Coated Sulfate of Potash, Magnesium Carbonate, Magnesium Oxide, Copper Sulfate, Ferric Oxide, Ferrous Sulfate, Manganese Oxide, Manganese Sulfate, Sodium Molybdate, Zinc Sulfate and Zinc Oxide.

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**The nitrogen, phosphorus, potassium and sulfur materials in this product have been coated to provide 16.00% coated slow release nitrogen (N), 2.10% coated slow release total phosphorus (P), 7.40% coated slow release total potassium (K), and 3.30% coated slow release sulfur (S).

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

DRY MEASURE		
Level Measure	Grams	Oz.(Wt.)
1 teaspoon (tsp.)	3.9	0.14
1 tablespoon (tblsp.)	12.7	0.45
1/4 cup	50.2	1.77
1/2 cup	107.2	3.78

CONVERSION TABLE					
POLYON SPOONS					
Size	Grams	Oz. (Wt.)	Size	Grams	Oz.(Wt.)
1	10.0	0.35	5	34.3	1.21
2	14.2	0.50	6	49.8	1.76
3	19.3	0.68	7	63.6	2.24
4	23.0	0.81	8	78.6	2.77

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	5 g	7 g	10 g	100mm	1.0 g	1.5 g	2.0 g
2 gallons	8 inches	10 g	15 g	20 g	125mm	2.0 g	3.0 g	4.0 g
3 gallons	10 inches	20 g	30 g	40 g	150mm	3.5 g	5.0 g	6.5 g
5 gallons	12 inches	30 g	45 g	60 g	175mm	6.0 g	9.0 g	12.0 g
7 gallons	14 inches	40 g	60 g	80 g	200mm	9.0 g	13.5 g	18.0 g
10 gallons	17 inches	75 g	112 g	150 g	250mm	20.0 g	30.0 g	40.0 g
15 gallons	18 inches	100 g	150 g	200 g	300mm	25.0 g	40.0 g	55.0 g

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

POUNDS PER CUBIC YARD	LOW 5	MED 7	HIGH 10	KILOGRAMS PER CUBIC METRES	LOW 3	MED 4.5	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 2	MED 3	HIGH 5	KILOGRAMS PER 100 SQ. METRES	LOW 8	MED 16	HIGH 24
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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.

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