



16-5-11 NPK

DESCRIPTION: A PROFESSIONAL HOMOGENEOUS 14 TO 15 MONTH \diamond CONTROLLED RELEASE NURSERY FERTILIZER FOR WOODY ORNAMENTALS, FOLIAGE PLANTS, AND REFORESTATION CROPS. ALL OF THE NUTRIENTS IN APEX 16-5-11 NPK ARE COMBINED WITHIN EACH UNIFORM COATED PELLET, INSURING PRECISE DISTRIBUTION AND RELEASE.

BENEFITS:

- APEX® 16-5-11 NPK 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	= 18-19 months
60°F	15.5°C	= 16-17 months
70°F	21.0°C	= 14-15 months \diamond
80°F	26.5°C	= 12-13 months

APEX 16-5-11 NPK GUARANTEED ANALYSIS:

U.S. STANDARD

TOTAL NITROGEN (N)*	16.00%
8.50% Ammoniacal Nitrogen	
7.50% Nitrate Nitrogen	
AVAILABLE PHOSPHATE (P ₂ O ₅)*	5.00%
SOLUBLE POTASH (K ₂ O)*	11.00%
Sulfur (S)*	4.00%

Derived from Homogeneous Polymer-Coated Ammonium Nitrate, Polymer-Coated Ammonium Phosphate, and Polymer-Coated Potassium Nitrate.

POLYON® is a registered trademark owned by Agrium and used under license.

*All nutrient sources in this product have been polymer-coated to provide coated slow release nutrients as 16.00% coated slow release nitrogen (N), 5.00% coated slow release available phosphate (P₂O₅), and 11.00% coated slow release soluble potash (K₂O), and 4.00% coated slow release sulfur (S).

APEX 16-2.1-9.1 NPK GUARANTEED ANALYSIS:

ELEMENTAL

TOTAL NITROGEN (N)**	16.00%
8.50% Ammoniacal Nitrogen	
7.50% Nitrate Nitrogen	
TOTAL PHOSPHORUS (P)**	2.10%
TOTAL POTASSIUM (K)**	9.10%
Sulfur (S) **	4.00%

Derived from Homogeneous Polymer-Coated Ammonium Nitrate, Polymer-Coated Ammonium Phosphate, and Polymer-Coated Potassium Nitrate.

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**All nutrient sources in this product have been polymer-coated to provide coated slow release nutrients as 16.00% coated slow release nitrogen (N), 2.10% coated slow release total phosphorus (P), and 9.10% coated slow release total potassium (K), and 4.00% 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.)	3.7	0.13	
1 tablespoon (tblsp.)	12.9	0.45	
1/4 cup	49.6	1.75	
1/2 cup	102.8	3.63	

POLYON SPOONS				
Size	Grams	Oz. (Wt.)	Size	Grams Oz. (Wt.)
1	9.5	0.33	5	32.9 1.16
2	13.5	0.48	6	47.9 1.69
3	18.7	0.66	7	61.9 2.18
4	22.8	0.80	8	75.6 2.67

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	13 g	20 g	26 g	100mm	2.5 g	4.0 g	5.5 g
2 gallons	8 inches	30 g	45 g	60 g	125mm	6.0 g	8.0 g	10.0 g
3 gallons	10 inches	50 g	75 g	100 g	150mm	9.0 g	13.0 g	17.0 g
5 gallons	12 inches	80 g	120 g	160 g	175mm	16.0 g	24.0 g	32.0 g
7 gallons	14 inches	115 g	170 g	225 g	200mm	24.0 g	36.0 g	48.0 g
10 gallons	16 inches	200 g	300 g	400 g	250mm	50.0 g	80.0 g	110.0 g
15 gallons	18 inches	270 g	400 g	530 g	300mm	70.0 g	105.0 g	140.0 g

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

POUNDS PER CUBIC YARD	LOW 13	MED 20	HIGH 26	KILOGRAMS PER CUBIC METRES	LOW 8	MED 12	HIGH 16
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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 3	MED 6	HIGH 9	KILOGRAMS PER 100 SQ. METRES	LOW 15	MED 30	HIGH 45
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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.