



# 21-2-7 LOW P

**DESCRIPTION:** A PROFESSIONAL 8 TO 9 MONTH  $\diamond$  NURSERY FERTILIZER WITH ALL THE PRIMARY NUTRIENTS COATED FOR OPTIMUM SAFETY AND PERFORMANCE. APEX 21-2-7 LOW P IS SPECIFICALLY FORMULATED FOR PLANTS THAT ARE SENSITIVE TO HIGH RATES OF PHOSPHATE OR ARE MORE EFFICIENT IN PHOSPHATE UPTAKE.

**BENEFITS:**

- APEX® 21-2-7 LOW P releases all the primary nutrients through the process of diffusion using 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 = 11-12 months
- 60°F 15.5°C = 9-10 months
- 70°F 21.0°C = 8-9 months  $\diamond$
- 80°F 26.5°C = 6-7 months

**APEX 21-2-7 LOW P GUARANTEED ANALYSIS:**

**U.S. STANDARD**

TOTAL NITROGEN (N)*	21.00%
3.50% Ammoniacal Nitrogen	
3.00% Nitrate Nitrogen	
14.50% Urea Nitrogen	
AVAILABLE PHOSPHATE (P <sub>2</sub> O <sub>5</sub> )*	2.00%
SOLUBLE POTASH (K <sub>2</sub> O)*	7.00%
Magnesium (Mg)	1.90%
Sulfur (S)*	5.50%
Copper (Cu)	0.05%
Iron (Fe)	1.70%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.0006%
Zinc (Zn)	0.05%

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

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\*A portion of the nitrogen, phosphate, potash and sulfur materials in this product have been coated to provide 21.00% coated slow release nitrogen (N), 2.00% coated slow release available phosphate (P<sub>2</sub>O<sub>5</sub>), 7.00% coated slow release soluble potash (K<sub>2</sub>O), and 4.20% coated slow release sulfur (S).

**APEX 21-.86-5.8 LOW P GUARANTEED ANALYSIS:**

**ELEMENTAL**

TOTAL NITROGEN (N)**	21.00%
3.50% Ammoniacal Nitrogen	
3.00% Nitrate Nitrogen	
14.50% Urea Nitrogen	
TOTAL PHOSPHORUS (P)**	0.86%
TOTAL POTASSIUM (K)**	5.80%
Magnesium (Mg)	1.90%
Sulfur (S)**	5.50%
Copper (Cu)	0.05%
Iron (Fe)	1.70%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.0006%
Zinc (Zn)	0.05%

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

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\*\*A portion of the nitrogen, phosphorus, potassium and sulfur materials in this product have been coated to provide 21.00% coated slow release nitrogen (N), 0.86% coated slow release total phosphorus (P), 5.80% coated slow release total potassium (K), and 4.20% 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](http://www.apexfertilizer.com)

DRY MEASURE		
Level Measure	Grams	Oz.(Wt.)
1 teaspoon (tsp.)	6.0	0.21
1 tablespoon (tblsp.)	17.7	0.62
1/4 cup	56.6	2.00
1/2 cup	116.6	4.11

  

POLYON SPOONS						
Size	Grams			Oz.(Wt.)		
	1	2	3	4	5	6
1	10.3	15.0	20.8	25.3	35.9	51.6
2	10.3	15.0	20.8	25.3	35.9	51.6
3	10.3	15.0	20.8	25.3	35.9	51.6
4	10.3	15.0	20.8	25.3	35.9	51.6

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

VOLUME (gal.)	DIAMETER	LOW			MEDIUM			HIGH				
		g	g	g	g	g	g	g	g	g		
1 gallon	6 inches	8 g	12 g	16 g	100mm	1.0 g	2.0 g	3.0 g	125mm	3.0 g	5.0 g	7.0 g
2 gallons	8 inches	16 g	24 g	32 g	150mm	5.0 g	8.0 g	11.0 g	175mm	9.0 g	15.0 g	18.0 g
3 gallons	10 inches	30 g	45 g	60 g	200mm	14.0 g	21.0 g	28.0 g	250mm	31.0 g	45.0 g	60.0 g
5 gallons	12 inches	47 g	72 g	98 g	300mm	40.0 g	60.0 g	80.0 g				
7 gallons	14 inches	68 g	102 g	137 g								
10 gallons	16 inches	120 g	180 g	240 g								
15 gallons	18 inches	160 g	240 g	320 g								

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

POUNDS PER CUBIC YARD	LOW 8	MED 12	HIGH 16	KILOGRAMS PER CUBIC METRES	LOW 5	MED 7	HIGH 9
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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 4	HIGH 6	KILOGRAMS PER 100 SQ. METRES	LOW 11	MED 22	HIGH 33
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**APPLICATION PRECAUTIONS:**

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- 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.