



# 21-7-6 COOL WEATHER SPECIAL

**DESCRIPTION:** A PROFESSIONAL 3 TO 4 MONTH◇ CONTROLLED RELEASE FERTILIZER FOR CONTAINERS, BEDDING PLANTS, AND LANDSCAPED AREAS.

## BENEFITS:

- APEX® 21-7-6 COOL WEATHER SPECIAL provides safe, controlled release nitrogen from POLYON®.
- 92% of the nitrogen is coated slow release for safe predictable response.
- Release of nitrogen is by diffusion.
- Release of nitrogen is not significantly affected by media type, moisture level, pH, or microbial activity.



## SOIL/MEDIA TEMPERATURE RELEASE RATES

50°F	10.0°C	= 5-6 months
60°F	15.5°C	= 4-5 months
70°F	21.0°C	= 3-4 months◇
80°F	26.5°C	= 2-3 months

## APEX 21-7-6 COOL WEATHER SPECIAL U.S. STANDARD GUARANTEED ANALYSIS:

TOTAL NITROGEN (N).....	21.00%
1.70% Ammoniacal Nitrogen	
19.30% Urea Nitrogen*	
AVAILABLE PHOSPHATE (P <sub>2</sub> O <sub>5</sub> ).....	7.00%
SOLUBLE POTASH (K <sub>2</sub> O).....	6.00%
Magnesium (Mg).....	0.50%
Sulfur (S).....	2.00%
Copper (Cu).....	0.05%
Iron (Fe).....	6.00%
Manganese (Mn).....	0.05%
Molybdenum (Mo).....	0.0005%
Zinc (Zn).....	0.05%

Derived from Polymer-Coated Urea, Monoammonium Phosphate, Ammonium Sulfate, Muriate of Potash, Sulfate of Potash, Magnesium Carbonate, Magnesium Oxide, Magnesium Sulfate, Copper Oxide, Copper Sulfate, Ferric Oxide, Ferrous Sulfate, Iron Oxysulfate, Iron Sucrate, Manganese Oxide, Manganese Sulfate, Sodium Molybdate, Zinc Oxide and Zinc Sulfate.

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\*19.30% slowly available urea nitrogen from polymer-coated urea.

## APEX 21-3-4.9 COOL WEATHER SPECIAL ELEMENTAL GUARANTEED ANALYSIS:

TOTAL NITROGEN (N).....	21.00%
1.70% Ammoniacal Nitrogen	
19.30% Urea Nitrogen**	
TOTAL PHOSPHORUS (P).....	3.00%
TOTAL POTASSIUM (K).....	4.90%
Magnesium (Mg).....	0.50%
Sulfur (S).....	2.00%
Copper (Cu).....	0.05%
Iron (Fe).....	6.00%
Manganese (Mn).....	0.05%
Molybdenum (Mo).....	0.0005%
Zinc (Zn).....	0.05%

Derived from Polymer-Coated Urea, Monoammonium Phosphate, Ammonium Sulfate, Muriate of Potash, Sulfate of Potash, Magnesium Carbonate, Magnesium Oxide, Magnesium Sulfate, Copper Oxide, Copper Sulfate, Ferric Oxide, Ferrous Sulfate, Iron Oxysulfate, Iron Sucrate, Manganese Oxide, Manganese Sulfate, Sodium Molybdate, Zinc Oxide and Zinc Sulfate.

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\*\*19.30% slowly available urea nitrogen from polymer-coated urea.

## 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).

SD 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.)	5.66	0.20
1 tablespoon (tblsp.)	17.82	0.63
1/4 cup	57.84	2.04
1/2 cup	116.20	4.10

CONVERSION TABLE

## POLYON SPOONS

Size	Grams	Oz. (Wt.)	Size	Grams	Oz.(Wt.)
1	10.54	0.37	5	32.25	1.14
2	15.14	0.53	6	48.34	1.70
3	19.23	0.68	7	59.55	2.10
4	23.36	0.82	8	74.79	2.64

## 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 g	6 g	8 g	100mm	0.5 g	1.0 g	1.5 g
2 gallons	8 inches	6 g	12 g	18 g	125mm	1.0 g	2.0 g	3.0 g
3 gallons	10 inches	10 g	20 g	30 g	150mm	2.0 g	4.0 g	6.0 g
5 gallons	12 inches	16 g	32 g	48 g	175mm	3.0 g	6.0 g	9.0 g
7 gallons	14 inches	24 g	48 g	72 g	200mm	5.0 g	10.0 g	15.0 g
10 gallons	16 inches	42 g	84 g	126 g	250mm	11.0 g	22.0 g	33.0 g
15 gallons	18 inches	56 g	112 g	169 g	300mm	15.0 g	30.0 g	45.0 g

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

POUNDS PER CUBIC YARD	LOW 3	MED 6	HIGH 8	KILOGRAMS PER CUBIC METRES	LOW 2	MED 3.5	HIGH 5
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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	MED 2	HIGH 3	KILOGRAMS PER 100 SQ. METRES	LOW 5	MED 10	HIGH 15
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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.
- This APEX formulation is not recommended for use in Greenhouses or Cold frames.
- 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.