



17-17-17 EARLY START

17-7.3-14.1 ELEMENTAL AND METRIC

DESCRIPTION: A PROFESSIONAL, HIGH QUALITY 3 TO 4 MONTH* OUTDOOR CONTAINER NURSERY AND LANDSCAPE FERTILIZER WITH ALL OF THE NUTRIENTS COATED FOR IMPROVED SAFETY AND PERFORMANCE.

BENEFITS: 17-17-17 / 17-7.3-14.1 EARLY START

- APEX 17-17-17 / 17-7.3-14.1 EARLY START provides the improved safety of the POLYON® Reactive Layers Coating (RLC™) controlled release technology.
- Each individually coated nutrient granule has a coating thickness calibrated to meter specific nutrient levels at the growing temperature consistent with plant demand.
- Nutrient release is not significantly affected by media type, moisture level, pH, or microbial activity.

SOIL/ MEDIA TEMPERATURE		RELEASE RATES
60°F	15.5°C	= 5 months
70°F	21.0°C	= 4 months
80°F	26.5°C	= 3 months*
90°F	32.0°C	= 2 months

APPLICATION RATES: Use low or medium rates when temperatures may exceed 90°F/32°C.

- Use **low** rate for low feeding, sensitive plants.
- Use **medium** rate for medium to moderately heavy feeding plants.
- Use **high** rate for heavy feeding plants.



Tech sheets, MSDS and other information on APEX products available at www.apexfertilizer.com

CONVERSION TABLE		
ROUNDED MEASURE	GRAMS	OZ. (WT.)
1 teaspoon (tsp.)	5	.18
1 Tablespoon (tbs.)	16	.56
1/4 cup	60	2.1
1/2 cup	120	4.2

TOP DRESSING —Rates Per Container

Uniformly apply (topdress) product onto the container surface using the amounts listed below.

CONTAINER VOLUME (gal.)	CONTAINER DIAMETER (in.)	GRAMS TOPDRESS PER CONTAINER Plant Nutrient Requirements		
		LOW	MEDIUM	HIGH
1 gallon	6 inches	3 g	6 g	9 g
2 gallons	8 inches	6 g	12 g	18 g
3 gallons	10 inches	11 g	22 g	33 g
5 gallons	12 inches	18 g	36 g	54 g
7 gallons	14 inches	25 g	50 g	75 g
10 gallons	16 inches	45 g	90 g	135 g
15 gallons	18 inches	60 g	120 g	180 g

CONTAINER DIAMETER (mm)	GRAMS TOPDRESS PER CONTAINER Plant Nutrient Requirements		
	LOW	MEDIUM	HIGH
100 mm	0.5 g	1.0 g	2.0 g
125 mm	1.0 g	2.0 g	3.0 g
150 mm	2.0 g	4.0 g	6.0 g
175 mm	4.0 g	7.0 g	10.0 g
200 mm	5.0 g	10.0 g	15.0 g
250 mm	11.0 g	22.0 g	33.0 g
300 mm	15.0 g	30.0 g	45.0 g

INCORPORATION: Uniformly mix (incorporate) APEX 17-17-17/17-7.3-14.1 EARLY START into potting media as follows:

POUNDS PER CUBIC YARD—PLANT NUTRIENT REQUIREMENTS		
LOW	MEDIUM	HIGH
3	6	9

KGS. PER CUBIC METRE—PLANT NUTRIENT REQUIREMENTS		
LOW	MEDIUM	HIGH
1.5	3	5

PRODUCTION PLANTING BED: FIELD

POUNDS PER 100 SQ.FT.—PLANT NUTRIENT REQUIREMENTS		
LOW	MEDIUM	HIGH
2	4	6

KGS. PER 100 SQUARE METRES—PLANT NUTRIENT REQUIREMENTS		
LOW	MEDIUM	HIGH
10	20	30

APPLICATION PRECAUTIONS:

- 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 CRF.
- Trial before use of this product under your local growing conditions, application methods, and desired rates. Avoid application to plants under stress.
- POLYON® controlled release nitrogen is regulated by soil temperature. Incorporation in soil mixes with excessive temperatures will decrease nitrogen longevity.

- This formulation does not contain micronutrients. Please supplement as needed with APEX Micronutrient Formulation.
- 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.

GUARANTEED ANALYSIS:

TOTAL NITROGEN (N)*	17.00%	TOTAL NITROGEN (N)**	17.00%
3.50% Ammoniacal Nitrogen (N)		3.50% Ammoniacal Nitrogen (N)	
3.90% Nitrate Nitrogen (N)		3.90% Nitrate Nitrogen (N)	
9.60% Urea Nitrogen (N) ♦		9.60% Urea Nitrogen (N) ♦	
AVAILABLE PHOSPHATE (P ₂ O ₅)*	17.00%	TOTAL PHOSPHORUS (P)**	7.30%
SOLUBLE POTASH (K ₂ O)*	17.00%	TOTAL POTASSIUM (K)**	14.10%
Derived from Polymer Coated Urea, Polymer Coated Ammonium Phosphate, and Polymer Coated Potassium Nitrate.			

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* The nitrogen, phosphorus, and potassium materials in this product have been coated to provide 16.10% coated slow release Nitrogen (N), 16.10% coated slow release Phosphate (P₂O₅), and 16.10% coated slow release Potash (K₂O).

** The nitrogen, phosphorus, and potassium materials in this product have been coated to provide 16.10% coated slow release Nitrogen (N), 6.90% coated slow release Phosphate (P), 13.30% coated slow release Potash (K).

♦ 9.60% slowly available nitrogen from polymer coated urea nitrogen.

PRODUCT COVERAGE: 50 LB. BAGS / 22.68 Kg.

74163 (APEX/TBR5-25-05)

HANDLING PRECAUTIONS: CAUTION: KEEP OUT OF REACH CHILDREN
MSDS: See Reverse HARMFUL IF SWALLOWED— DO NOT INHALE