



19-8-12 CONIFER

19-3.4-9.9 ELEMENTAL AND METRIC

DESCRIPTION: A PROFESSIONAL, HIGH-QUALITY 12 TO 14 MONTH CONTAINER NURSERY FERTILIZER FORMULATED FOR USE ON CONTINUOUS GROWING CONIFERS IN COOLER GROWING AREAS.

BENEFITS: APEX 19-8-12 / 19-3.4-9.9 CONIFER

- APEX 19-8-12 / 19-3.4-9.9 CONIFER releases all the primary nutrients through the process of diffusion using POLYON® Reactive Layers Coating (RLC™) controlled release technology.
- The primary nutrients have coating thicknesses 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		
50°F	10.0°C	= 14 months
60°F	15.5°C	= 12 months*
70°F	21.0°C	= 10 months
80°F	26.5°C	= 9 months
90°F	32.0°C	= 8 months

APPLICATION RATES: (Call for rates on larger containers)

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

TOP DRESSING - Rates Per Container

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

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

CONTAINER VOLUME (gal.)	CONTAINER DIAMETER (in.)	GRAMS TOPDRESS PER CONTAINER Plant Nutrient Requirements		
		LOW	MEDIUM	HIGH
1 gallon	6 inches	8 g	12 g	16 g
2 gallons	8 inches	16 g	24 g	32 g
3 gallons	10 inches	30 g	45 g	60 g
5 gallons	12 inches	48 g	72 g	96 g
7 gallons	14 inches	70 g	105 g	140 g
10 gallons	16 inches	120 g	180 g	240 g
15 gallons	18 inches	160 g	240 g	320 g

CONTAINER DIAMETER (mm)	GRAMS TOPDRESS PER CONTAINER Plant Nutrient Requirements		
	LOW	MEDIUM	HIGH
100mm	1.0 g	2.0 g	3.0 g
125mm	3.0 g	4.5 g	6.0 g
150mm	5.0 g	8.0 g	10.0 g
175mm	9.0 g	14.0 g	18.0 g
200mm	14.0 g	21.0 g	28.0 g
250mm	30.0 g	45.0 g	60.0 g
300mm	42.0 g	63.0 g	84.0 g

INCORPORATION: Uniformly mix (incorporate) APEX 19-8-12 / 19-3.4-9.9 CONIFER into potting media as follows:

POUNDS PER CUBIC YARD—PLANT NUTRIENT REQUIREMENTS		
LOW	MEDIUM	HIGH
8	12	16

KILOGRAMS PER CUBIC METRE—PLANT NUTRIENT REQUIREMENTS		
LOW	MEDIUM	HIGH
5	7	9

PRODUCTION PLANTING BED: FIELD or GREENHOUSE (incorporate if possible or use lower rates.)

POUNDS PER 100 SQ.FT.—PLANT NUTRIENT REQUIREMENTS		
LOW	MEDIUM	HIGH
2	5	7

KILOGRAMS PER 100 SQUARE METRES—PLANT NUTRIENT REQUIREMENTS		
LOW	MEDIUM	HIGH
12	24	36

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 CRF.
- Avoid the use of media processing equipment that could change the integrity of RLC coating.
- 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.

GUARANTEED ANALYSIS:

TOTAL NITROGEN (N)*	19.00%
1.50% Ammoniacal Nitrogen	
2.50% Nitrate Nitrogen	
15.00% Urea Nitrogen ♦	
AVAILABLE PHOSPHATE (P ₂ O ₅)	8.00%
SOLUBLE POTASH (K ₂ O)*	12.00%
Magnesium (Mg)	1.00%
Sulfur (S)*	2.00%
Copper (Cu)	0.05%
Iron (Fe)	0.15%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.0005%
Zinc (Zn)	0.05%

TOTAL NITROGEN (N)**	19.00%
1.50% Ammoniacal Nitrogen	
2.50% Nitrate Nitrogen	
15.00% Urea Nitrogen ♦	
TOTAL PHOSPHORUS (P)**	3.40%
TOTAL POTASSIUM (K)**	9.90%
Magnesium (Mg)	1.00%
Sulfur (S)**	2.00%
Copper (Cu)	0.05%
Iron (Fe)	0.15%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.0005%
Zinc (Zn)	0.05%

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

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* The nitrogen, phosphate and potash materials in this product: 18.00% Nitrogen (N), 7.60% Phosphate (P), 11.40% Potash (K), and 2.00% Sulfur (S).

** The nitrogen, phosphate and potash materials in this product: 18.00% Nitrogen (N), 3.20% Phosphorus (P), 9.40% Potassium (K), and 2.00% Sulfur (S).

♦ 15.00% slowly available nitrogen from polymer coated urea nitrogen.

PACKAGE SIZE:

50-LB. BAG/22.68 Kg.

74232 (APEX/TBR5-11-06)

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