



# 21-2-11 NATIVE

# 21-.86-9.1 ELEMENTAL AND METRIC

Simplot Professional Products

**DESCRIPTION: AN 8 TO 9 MONTH\* PROFESSIONAL CONTROLLABLE RELEASE NURSERY FERTILIZER. THIS FORMULATION IS FOR INCORPORATION OR TOPDRESS APPLICATIONS ON THOSE PLANTS KNOWN TO BE SENSITIVE TO HIGH RATES OF PHOSPHOROUS. IT IS ALSO RECOMMENDED FOR THOSE PLANTS THAT EXHIBIT IRON CHLOROSIS SYMPTOMS READILY IN THE PRESENCE OF EXCESSIVE PHOSPHOROUS LEVELS.**

**BENEFITS: 21-2-11 / 21-.86-9.1 NATIVE**

- APEX 21-2-11 / 21-.86-9.1 NATIVE provides the improved safety of the POLYON® Reactive Layers Coating(RLC™) controlled release technology.
- Release of nutrients is controlled by osmosis and is not affected by media type, moisture level, pH, or microbial activity.
- Osmotic release of nutrients with POLYON® is predictable and reliable. The coating has been precisely applied to insure the safety and effectiveness of each granule.

**SOIL/MEDIA TEMPERATURE  
RELEASE RATES**

50°F	10.0°C	= 12 months
60°F	15.5°C	= 10 months
70°F	21.0°C	= 9 months*
80°F	26.5°C	= 8 months
90°F	32.0°C	= 7 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](http://www.apexfertilizer.com)



**CONVERSION TABLE**

Rounded Measure	Grams	Oz. (Wt.)
1 teaspoon (tsp.)	7.6	.18
1 Tablespoon (tbs.)	23	.56
1/4 cup	69	2.4
1/2 cup	130	4.6
1 cup	262	9.2

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	47 g	72 g	98 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

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	5.0 g	7.0 g
150mm	5.0 g	8.0 g	11.0 g
175mm	9.0 g	15.0 g	18.0 g
200mm	14.0 g	21.0 g	28.0 g
250mm	31.0 g	45.0 g	60.0 g
300mm	40.0 g	60.0 g	80.0 g

**INCORPORATION:** Uniformly mix (incorporate) APEX 21-2-11 / 21-.86-9.1 NATIVE nursery fertilizer 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

**PLANTING BED:** FIELD (incorporate if possible or use lower rates.) APEX 21-2-11 / 21-.86-9.1 NATIVE as follows:

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
11	22	33

**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.
- CAUTION: Application of fertilizer materials containing Molybdenum (Mo) may result in forage crops containing levels of Molybdenum (Mo) that are toxic to ruminant animals.
- 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)*	21.00%
5.30% Nitrate Nitrogen	
3.20% Ammoniacal Nitrogen	
12.50% Urea Nitrogen ♦	
AVAILABLE PHOSPHATE (P <sub>2</sub> O <sub>5</sub> )*	2.00%
SOLUBLE POTASH (K <sub>2</sub> O)*	11.00%
Magnesium (Mg)	0.50%
Sulfur (S)	2.00%
Copper (Cu)	0.05%
Iron (Fe)	1.00%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.0005%
Zinc (Zn)	0.05%

TOTAL NITROGEN (N)**	21.00%
5.30% Nitrate Nitrogen	
3.20% Ammoniacal Nitrogen	
12.50% Urea Nitrogen ♦	
TOTAL PHOSPHORUS (P)**	0.86%
TOTAL POTASSIUM (K)**	9.10%
Magnesium (Mg)	0.50%
Sulfur (S)**	2.00%
Copper (Cu)	0.05%
Iron (Fe)	1.00%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.0005%
Zinc (Zn)	0.05%

Derived from Polymer-Coated Urea, Polymer Ammonium Nitrate, Polymer Coated Ammonium Phosphate, Polymer Coated Calcium Phosphate, Polymer Coated Potassium Nitrate, Magnesium Carbonate, Magnesium Oxide, Copper Sulfate, Ferrous Oxide, Ferrous Sulfate, Manganese Oxide, Sodium Molybdate, Zinc Sulfate and Zinc Oxide.

POLYON® is a registered trademark of Pursell Technologies, Inc.

\* The nitrogen, phosphate and potash materials in this product have been coated to provide 19.95% coated slow release Nitrogen (N), 1.9% coated slow release available Phosphate (P<sub>2</sub>O<sub>5</sub>), and 10.45% coated slow release soluble Potash (K<sub>2</sub>O).

\*\* All nutrient sources have been polymer-coated to provide contained slow release nutrients as: 19.95% Nitrogen (N), 0.80% Phosphorus (P), 8.65% Potassium (K), and 2.00% Sulfur (S).

♦ 12.50% slowly available urea nitrogen from polymer coated urea.

**PRODUCT COVERAGE: 50 LB. BAGS / 22.68 Kg.**

74229 (APEX/TB R3-2-06)

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

J.R. Simplot Company • P.O. Box 198, Lathrop, CA 95330 • Toll Free (800) 992-6066 or (209) 858-2511 • Fax: (209) 858-2519 • E-mail: [apex@simplot.com](mailto:apex@simplot.com)