



12-1-9 PALM K

WITH GAL-Xe ONE TECHNOLOGY

DESCRIPTION: UP TO 3 TO 4 MONTH ◊ PROFESSIONAL CONTROLLED RELEASE FERTILIZER SPECIFICALLY FORMULATED FOR PALMS WITH A 3:1:3 RATIO OF NITROGEN, PHOSPHORUS AND POTASSIUM WITH EXTRA MAGNESIUM AND EXTENSIVE MICRONUTRIENTS.

GUARANTEED ANALYSIS:

TOTAL NITROGEN (N)	12.00%
5.00% Ammoniacal Nitrogen	
7.00% Urea Nitrogen*	
TOTAL PHOSPHORUS (P)	1.00%
TOTAL POTASSIUM (K)	9.00%
Magnesium (Mg)	3.00%
Sulfur (S)	13.00%
Copper (Cu)	0.05%
Iron (Fe)	3.75%
Manganese (Mn)	0.20%
Molybdenum (Mo)	0.0006%
Zinc (Zn)	0.05%

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

*7.00% slowly available urea nitrogen from polymer-coated urea.

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BENEFITS:

- APEX® 12-1-9 PALM K provides safety with GAL-Xe ONE, Simplot's exclusive space age controlled release fertilizer technology.
- Most of the nitrogen is coated slow release for safe predictable response.
- Release of nitrogen is not significantly affected by media type, moisture level, pH, or microbial activity.
- Includes an extensive package of minor elements.

3 to 4 MONTH

SOIL/MEDIA TEMPERATURE RELEASE RATES
10.0 °C = 5-6 month
15.5 °C = 4-5 month
21.0 °C = 3-4 month ◊
26.5 °C = 2-3 month

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 21.0°C.

Increase fertilizer application rates by 20% if average monthly temperatures are lower than 15.5°C.

Lower application rates by 20% if average monthly temperatures are greater than 26.5°C.

CONVERSION TABLE

DRY MEASURE

Level Measure	Grams
1 teaspoon (tsp.)	6.8
1 tablespoon (tblsp.)	22.3
1/4 cup	68.5
1/2 cup	142.7

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

DIAMETER (mm)	LOW	MEDIUM	HIGH
100mm	0.7 g	1.4 g	2.1 g
125mm	1.5 g	3.0 g	4.5 g
150mm	2.0 g	4.0 g	6.0 g
175mm	4.0 g	8.0 g	12.0 g
200mm	6.0 g	12.0 g	18.0 g
250mm	13.0 g	26.0 g	39.0 g
300mm	18.0 g	36.0 g	54.0 g

Techsheets, MSDS and other information on APEX products available at: www.simplotpartners.com.au

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

KILOGRAMS PER CUBIC METRES	LOW 2	MED 4	HIGH 6
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SURFACE APPLICATION: Uniformly apply APEX 12 - 1 - 9 PALM K around drip line of tree.

GRAMS PER TREE	PALM SIZE	LOW	MEDIUM	HIGH
	0.5-1 metre	130 g	260 g	520 g
	1-2 metres	260 g	520 g	780 g
	2-3 metres & up	520 g	780 g	1040 g

PLANTING BED: FIELD / Plant Nutrient Requirements (incorporate if possible or use lower rates) as follows:

KILOGRAMS PER 100 SQ. METRES	LOW 7	MED 14	HIGH 21
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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 one week, leach thoroughly before using.
- Product left in media for more than one 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 APEX.
- 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.
- CAUTION: Application of fertilizer materials containing molybdenum (Mo) may result in forage crops containing levels of molybdenum (Mo) that are toxic to ruminant animals.