



12-4-12 PALM K with GAL-Xe ONE®

U.S. STANDARD

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)	12.00%
5.00% Ammoniacal Nitrogen	
7.00% Urea Nitrogen*	
AVAILABLE PHOSPHATE (P ₂ O ₅)	4.00%
SOLUBLE POTASH (K ₂ O)	12.00%
Magnesium (Mg)	3.00%
Sulfur (S)	13.00%
Copper (Cu)	0.05%
Iron (Fe)	3.75%
Manganese (Mn)	0.20%
Molybdenum (Mo)	0.001%
Zinc (Zn)	0.05%

Derived from polymer-coated urea, monoammonium phosphate, ammonium sulfate, sulfate of potash, sulfate of potash-magnesia, magnesium carbonate, magnesium oxide, magnesium sulfate, iron oxy sulfate, ferric oxide, ferrous sulfate, copper oxide, copper sulfate, manganese oxide, manganese oxy sulfate, manganese sulfate, sodium molybdate, zinc oxide and zinc sulfate.

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

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

3 to 4 MONTH

KEEP OUT OF REACH OF CHILDREN
WARNING
CAUSES EYE IRRITATION.

PRECAUTIONARY STATEMENTS: Wash hands, forearms and face thoroughly after handling. **FIRST AID: IF IN EYES** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.

- BENEFITS**
- Most of the nitrogen is coated slow release for 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.

SOIL / MEDIA TEMPERATURE RELEASE RATES

50°F =	5-6 month
60°F =	4-5 month
70°F =	3-4 month ◊
80°F =	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 70°F. Increase fertilizer application rates by 20% if average monthly temperatures are lower than 60°F. Lower application rates by 20% if average monthly temperatures are greater than 80°F.

CONVERSION TABLE

DRY MEASURE			APEX® SPOONS					
Level Measure	Grams	Oz.(Wt.)	Size	Grams	Oz.(Wt.)	Size	Grams	Oz.(Wt.)
1 teaspoon (tsp.)	6.8	0.24	1	11.7	0.41	5	41.8	1.47
1 tablespoon (tbsp.)	22.3	0.79	2	17.8	0.63	6	63.0	2.22
1/4 cup	68.5	2.42	3	24.8	0.87	7	81.9	2.89
1/2 cup	142.7	5.03	4	30.8	1.09	8	98.0	3.46

TOPDRESS CONTAINER:

Plant Nutrient Requirements / Uniformly apply (topdress) product onto the container surface using the amounts listed.	VOLUME (gal.)	DIAMETER	LOW	MEDIUM	HIGH
1 gallon	6 inches	3.5 g	7 g	10.5 g	
2 gallons	8 inches	8 g	15 g	23 g	
3 gallons	10 inches	13 g	26 g	39 g	
5 gallons	12 inches	20 g	40 g	60 g	
7 gallons	14 inches	30 g	60 g	90 g	
10 gallons	17 inches	50 g	100 g	150 g	
15 gallons	18 inches	70 g	140 g	210 g	

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

POUNDS PER CUBIC YARD	LOW 3.5	MED 7	HIGH 10.5
PLANTING BED: Plant Nutrient Requirements (incorporate if possible or use lower rates) as follows:			
POUNDS PER 100 SQ. FT.	LOW 1.5	MED 3	HIGH 4.5

SURFACE APPLICATION: Uniformly apply around drip line of tree.

CUPS PER TREE	PALM SIZE	LOW	MEDIUM	HIGH
2-3 ft.	1/2	1	2	3
4-6 ft.	1	2	3	4+
7-10 ft & up	2	3	4+	

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 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 the polymer 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.
- **WARNING:** Application of fertilizer materials containing Molybdenum (Mo) may result in forage crops containing levels of Molybdenum (Mo) that are toxic to ruminant animals.

WARNING: This product can expose you to chemicals including cadmium which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-jr.com>
DISCLAIMER OF WARRANTIES: J.R. Simplot Company warrants that the composition of this product conforms to the description and is reasonably fit for the purpose as stated on the label only when used in accordance with label directions under normal conditions of use. This warranty is expressly in lieu of all other warranties and representations expressed, implied, or statutory, including warranties of merchantability and fitness for a particular use. Timing, rate and method of application, weather and crop conditions, and mixtures not specifically recommended on this label or an accompanying written recommendation, are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees that, in the event of damages resulting from, but not limited to, weather or soil conditions, presence of other materials, or failure to follow label directions, responsibility will be assumed by the buyer or user; and to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

U.S. STANDARD - NET WEIGHT 50 LB. (22.68 KG.)
J.R. Simplot Company
Professional Products
P.O. Box 198 • Lathrop, CA 95330 • (208) 336-2110
IN CASE OF EMERGENCY CALL CHEMTREC 1-800-424-9300

Item# 7518350



12-1.75-9.96 PALM K with GAL-Xe ONE™

ELEMENTAL

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)	12.00%
5.00% Ammoniacal Nitrogen	
7.00% Urea Nitrogen**	
TOTAL PHOSPHORUS (P)	1.75%
TOTAL POTASSIUM (K)	9.96%
Magnesium (Mg)	3.00%
Sulfur (S)	13.00%
Copper (Cu)	0.05%
Iron (Fe)	3.75%
Manganese (Mn)	0.20%
Molybdenum (Mo)	0.001%
Zinc (Zn)	0.05%

Derived from polymer-coated urea, monoammonium phosphate, ammonium sulfate, sulfate of potash, sulfate of potash-magnesia, magnesium carbonate, magnesium oxide, magnesium sulfate, iron oxy sulfate, ferric oxide, ferrous sulfate, copper oxide, copper sulfate, manganese oxide, manganese oxy sulfate, manganese sulfate, sodium molybdate, zinc oxide and zinc sulfate.

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3 to 4 MONTH

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WARNING
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- BENEFITS**
- Most of the nitrogen is coated slow release for 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.

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			APEX™ SPOONS					
Level Measure	Grams	Oz.(Wt.)	Size	Grams	Oz.(Wt.)	Size	Grams	Oz.(Wt.)
1 teaspoon (tsp.)	6.8	0.24	1	11.7	0.41	5	41.8	1.47
1 tablespoon (tbsp.)	22.3	0.79	2	17.8	0.63	6	63.0	2.22
1/4 cup	68.5	2.42	3	24.8	0.87	7	81.9	2.89
1/2 cup	142.7	5.03	4	30.8	1.09	8	98.0	3.46

TOPDRESS CONTAINER:

Plant Nutrient Requirements / Uniformly apply (topdress) product onto the container surface using the amounts listed.	DIAMETER (mm)	LOW	MEDIUM	HIGH
100 mm	0.7 g	1.4 g	2.1 g	
125 mm	1.5 g	3.0 g	4.5 g	
150 mm	2.0 g	4.0 g	6.0 g	
175 mm	4.0 g	8.0 g	12.0 g	
200 mm	6.0 g	12.0 g	18.0 g	
250 mm	13.0 g	26.0 g	39.0 g	
300 mm	18.0 g	36.0 g	54.0 g	

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

KILOGRAMS PER CUBIC METRES	LOW 2	MED 4	HIGH 6
PLANTING BED: Plant Nutrient Requirements (incorporate if possible or use lower rates) as follows:			
KILOGRAMS PER 100 SQ. METRES	LOW 7	MED 14	HIGH 21

SURFACE APPLICATION: Uniformly apply around drip line of tree.

GRAMS PER TREE	PALM SIZE	LOW	MEDIUM	HIGH
0.5-1 metre	130 g	260 g	520 g	780 g
1-2 metres	260 g	520 g	780 g	1,040 g
2-3 metres & up	520 g	780 g	1,040 g	

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 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 the polymer 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.
- **WARNING:** Application of fertilizer materials containing Molybdenum (Mo) may result in forage crops containing levels of Molybdenum (Mo) that are toxic to ruminant animals.

DISCLAIMER OF WARRANTIES: J.R. Simplot Company warrants that the composition of this product conforms to the description and is reasonably fit for the purpose as stated on the label only when used in accordance with label directions under normal conditions of use. This warranty is expressly in lieu of all other warranties and representations expressed, implied, or statutory, including warranties of merchantability and fitness for a particular use. Timing, rate and method of application, weather and crop conditions, and mixtures not specifically recommended on this label or an accompanying written recommendation, are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees that, in the event of damages resulting from, but not limited to, weather or soil conditions, presence of other materials, or failure to follow label directions, responsibility will be assumed by the buyer or user; and to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

International Trademark designation:
Simplot™, APEX™ and GAL-Xe ONE™ are trademarks of the J.R. Simplot Company.

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ELEMENTAL - NET WEIGHT 22.68 KG.

J.R. Simplot Company
Professional Products
P.O. Box 198 • Lathrop, CA 95330 • (208) 336-2110
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