



PALM PRO 12-4-12

**FOR ALL TROPICAL LANDSCAPE PLANTS *With 60% SRN*
+Mg, Mn, Fe, Cu, Zn, B, PLUS HUMIC ACID AND SUGARS**

- **FOR USE ON ALL PALMS AND TROPICALS**
- **WITH MG, MN & ORGANICS PALMS NEED**
- **FEEDS SMART N FOR THREE TO FOUR MONTHS**

GUARANTEED ANALYSIS:

F106

Total Nitrogen (N)	12%
2.8% Urea Nitrogen	
2% Ammoniacal Nitrogen	
7.2% Slowly Available Water Soluble Nitrogen*	
Available Phosphate (P ₂ O ₅)	4%
Soluble Potash (K ₂ O)	12%
Magnesium (Mg)	3%
3% Chelated Magnesium (Mg)	
Boron (B)	0.005%
Copper (Cu)	0.03%
0.03% Chelated Copper (Cu)	
Iron (Fe)	1%
1% Chelated Iron (Fe)	
Manganese (Mn)	2%
2% Chelated Manganese (Mn)	
Zinc (Zn)	0.05%
0.05% Chelated Zinc (Zn)	

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

2%	Humic Acid (derived from Leonardite)
2%	Monosaccharides/Polysaccharides
0.1%	Yucca schidigera Extract

Derived From: Urea, Methylene Urea, Potassium Carbonate, Ammonium Polyphosphate, Potassium Humate, Simple/complex Sugars, Iron EDTA, Manganese EDTA, Magnesium EDTA, Zinc EDTA, Copper EDTA, Boric Acid. Chelating Agent: EDTA
*7.2% slowly available Nitrogen from Methylene Urea

PRODUCT SPECIFICATIONS:

Weight per gallon (Liter)	11 lbs.(1.31 Kg)
pH	8
1 gallon contains	1.3 lbs nitrogen

PRODUCT DESCRIPTION:

Palm Pro 12-4-12 can be used on all palm varieties. Many palm species that are not native have special fertility needs and are more susceptible to developing nutrient deficiencies and diseases. Palm Pro can be used for a low water volume palm program as recommended for urban plantings where paved areas make it difficult to apply large volumes of water. Palm Pro/ All Pro has been formulated and tested for low salts so that it will not injure palms. This program utilizes five times less water than a standard program. Be sure to follow all mixing instruction carefully.

Established Palms: The vast majority of palms are planted in sandy soils, which have a very low cation capacity and tend to quickly leach nutrients. Established palms require fertilization a

- **100% CHELATED MICROS FOR FAST RESULTS**
- **FAST PLANT RESPONSE**
- **COMBAT A WIDE VARIETY OF DEFICIENCIES**

Palm Program		
Application	Rate	Notes
Established Palms Landscape Areas & Transplant Palms	Soil Injection: Mix 1 gal Palm Pro in 100 gal water.	Inject 1 qt mix per injection hole under canopy. Keep 2'-4' away from trunk. Apply 2-4 times per year.
	Foliar Feeding: 1 oz in 1 gal water. For larger sprays mix ¾ gal in 100 gal water	Spray to run off. Apply 2-4 times per year.
	Soil drench: 4 oz in 2 - 5 gal water for smaller palms.	Apply as a basal drench to 12" from palm base. Apply every 4 months.
Containerized and Field Grown Crops, (including but not limited to): Deciduous and Evergreen Trees, Foliage, Ornamental Grasses, Perennials, Tropicals, Woody Ornamentals	Foliar Spray: 1 gallon per 100 gal of water (78- in 100 L water) Rate per gallon: 2½ - 5 oz per gal water	Thoroughly spray to point of run-off. Apply every 2-4 weeks.
	Injector Ratio: 10 fl oz per gallon of stock tank water. Set injector ratio at 1:100 (78 ml per liter)	Apply monthly or as needed to supplement nutritional requirements.
Low Water Volume Program	Soil injection for urban areas: Mix ½ gal Palm Pro in 40 gals water.	This programs allows you to do a greater number of trees with less water.
Interiorscape	Hand watering: 1 oz in 1 gal water.	Drench pot or planter. Fertilize 4 - 6 times per year.

minimum of twice per year, ideally four times per year. Palm Pro has an ideal ratio of nitrogen to potassium, which is essential for healthy palms. Palm Pro contains 60% slow release nitrogen, which is important to maintain a continuous feed of nitrogen.

Soil Injection: Begin root injection approximately 2-4 ft. away from trunk. Fertilizer under entire canopy in grid pattern. Inject to a depth of 6" – 8" for trees. Inject at a rate of 1 qt. of tank mix per injection site.

Transplant Fertilization: Drench the root ball and soil where planting the palm with Palm Pro. Palms do not like heavy muck or clay soils and soon become water logged. Palm Pro contains humic acid and yucca which will help loosen the clay structure and allow more drainage.

Foliar Fertilization: Palm Pro can be used as a foliar supplemental program for normal soil fertilization. Foliar applications will correct deficiencies, however, soil fertilization will provide more long lasting results.

STORAGE & HANDLING:

Storage: Freezing does not affect the performance of this product. **Ice crystals** can form below 32° F, but will melt when Palm Pro is restored to room temperature after several hours, or is diluted with water. Palm Pro is not corrosive or abrasive. This product has a strong ammonia smell, which is normal.

Mixing: Palm Pro must be first diluted with water prior to mixing with other nutrients or pesticides. When adding acidic materials first dilute with water and then slowly add acidic materials. Always use a jar test before mixing pesticides in your tank. Add products to mix in this order: 1. Wettable powders 2. Flowables. 3. Water solubles 4. Surfactants 5. Emulsifiable concentrates. Be sure to agitate during each addition. Be sure each product is mixed well before adding the next. It is recommended to apply all of the mixture in one day.

FIRST AID

IF SWALLOWED:	Call a poison center or doctor if you feel unwell: Rinse mouth.
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
IF ON SKIN:	Remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
IF INHALED:	Call a poison center or doctor if you feel unwell.

You may also contact 1-800-992-5994 day or night for emergency treatment information. If medical advice is needed, have product container or label at hand (P101), Keep out of reach of children (P102), Read label before use (P103).

STORAGE: Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.

DISPOSAL: Dispose of contents/container in accordance with local/regional/national/international regulations. Do not reuse container.

The following precautionary statements and pictograms are based on The Globally Harmonized System of Classifications and Labeling of Chemicals (GHS) and are mandated by the Occupational Safety and Health Administration (OSHA)



WARNING

H303 May be Harmful if Swallowed
H316 Causes Mild Skin Irritation
H320 Causes Eye Irritation
H335 May Cause Respiratory Irritation

Condition of Sale and Warranty: Growth Products, Ltd. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Growth Products, Ltd. and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL GROWTH PRODUCTS, LTD. OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

Manufactured in the USA By:

