



An airborne fungus causes queen palm fronds to appear misshaped. Queen palms use large amounts of manganese to fight diseases, and build strong fronds. Normal palm tree fertilizers don't provide enough manganese. Over time this manganese deficiency may cause queen palm death.

What to do:

Plan A

Have us inject the palms yearly with Manganese.  
Use the Ultra Tree Spike twice a year.



Plan B do it yourself:

**Use the Lutz Manganese Spik now.**

**Then in 6 months use the Ultra Tree Spike.**

**Use one spike for every 2 inches of tree diameter.**

**Repeat yearly.**

Manganese Spike #30190	
Manganese (Mn)	20%
20% Water Soluble Manganese	
Sulfur (S)	16%
16% Combined Sulfur (S)	
Total Nitrogen (N)	4%
4% Ammoniacal Nitrogen	
Derived From: Manganese Sulfate, Sulfate of Ammonia.	

<https://www.lutzcorp.com/t-feedingpalmtrees.aspx>

This spik is only for queen palms. Be sure to store in a cool place.

Watering:

In the summer (May to October), both Whitfield Nursery and Moon Valley Nursery recommend 30 gallons of water twice a week for mature queen palms. For the rest of the year cut back 1/2 to 1/3 of this amount.

Trimming:

Only trim dead frowns, sterilize saws before cutting frowns, use any household disinfectant spray. When removing dead husks never use a chain saw. When trimming never allow someone to use climbing spikes, (Pole saws or ladder only).

Do it yourself, invest in the best, Silky Telescoping Landscaping Pole Saw Get it on Amazon. Believe me you'll be glad you did.

**Warner's Tree Surgery**


**(480) 969-8808**

<https://warnerstreesurgery.com/>



**The advice on this page is good for all palm trees.**

**Ultra Tree Spike**



8-4-8 Tree Spike containing Iron, Manganese, Magnesium, Copper, Zinc, Boron and 13% Sulfur.

Lutz Ultra Tree Micro Spikes are ideal for all trees and shrubs, from Fruit, Citrus (that really thrive on the micros), to Evergreens, Maples, Birch and Oaks that require the Iron, Manganese and Sulfur.

Each 8-4-8 Ultra Tree Micro Spike contains the critical micro-nutrients required in all trees and shrubs. Plus a full 13% sulfur, which is critical to lowering pH, creating an environment in the feeding area that assists with the uptake of all the vital micro-nutrients.

Special binders slowly release the nutrients for up to 12 months. Lutz Ultra Tree Micro Spikes work underground at the feeder roots, to release these elements where the trees/shrubs get their nourishment. Easy, annual applications, provide superior healthy green growth!

**Spike Specifications**

Ultra Tree Micro Spike #30199	
Total Nitrogen (N)	8%
8% Ammoniacal Nitrogen	
Available Phosphate (P2O5)	4%
Soluble Potash (K2O)	8%
Combined Sulfur (S)	13%
Free Sulfur (S)	10%
Total Manganese (Mn)	2.8%
Total Magnesium (Mg)	4.5%
Total Copper (Cu)	1%
Total Iron (Fe)	1%
Boron (B)	.05%
Total Zinc (Zn)	.05%

Derived From: Ammonium Sulfate, Monoammonium phosphate, Potassium Sulfate, Manganese Sulfate, Magnesium Sulfate, Copper Sulfate, Iron Sulfate, Sodium Borate and Zinc Sulfate.

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<https://www.lutzcorp.com/p-24-ultra-tree-spike.aspx>

**Use the Lutz Manganese Spik now for your Queen Palms. Then in 6 months use the Ultra Tree Spike. Use one spike for every 2 inches of tree diameter. Store in a cool place. sheds and garage's get to hot in the summer time. Repeat yearly.**



**Palmetto weevils can sense tree sap, and travel from 1/2 mile away to eat your palm trees tops.**

**To protect your palms treat yearly with Bio Advanced Tree And Shrub.**

**The Granular is the safest for you to use. You can get it at Home Depot**