

LEAF SAP SAMPLING GUIDE

Palm



Keep in mind!

- Avoid outer rows and first 10 trees of a row.
- Sample fronds with average leaf quality. Sample areas of abnormal growth separately.
- Sample consistently; avoid extreme weather etc.
- If fronds are wet at sampling lightly pat dry before shipping (moisture influences results).
- Sap Analysis data works best when used in progression through the crop year. The more samples the better crop nutrient uptake can be understood and managed.
- Note fertilizer and irrigation times and application rates if possible.
- Sample either before or 3+ days after fertilizer/pesticides have been applied.



Sampling Instructions

Sample Time: Sample in the morning before 11 a.m. and temperatures less than 80 °F for adequate leaf tension and moisture. Avoid sampling in the rain. Store samples in cooler.

Sample Size: Collect 80+ grams each of both new (young) fronds and old fronds for a collected total of 160+ grams per sample set. Bag separately labeled New and Old.

Sampling: New & Old set every 2+ weeks. Cut fronds into thirds and discard tip and base sections. From the remaining middle section of the frond sample two leaflets from both sides of the rachis. Bundle leaflets and trim to retain an 8 inch (20cm) midsection from each leaflet.

NEW- Youngest fully expanded frond from the crown (fronds 5 through 9). Place stacked middle section of leaflets in zip lock bag labeled NEW.

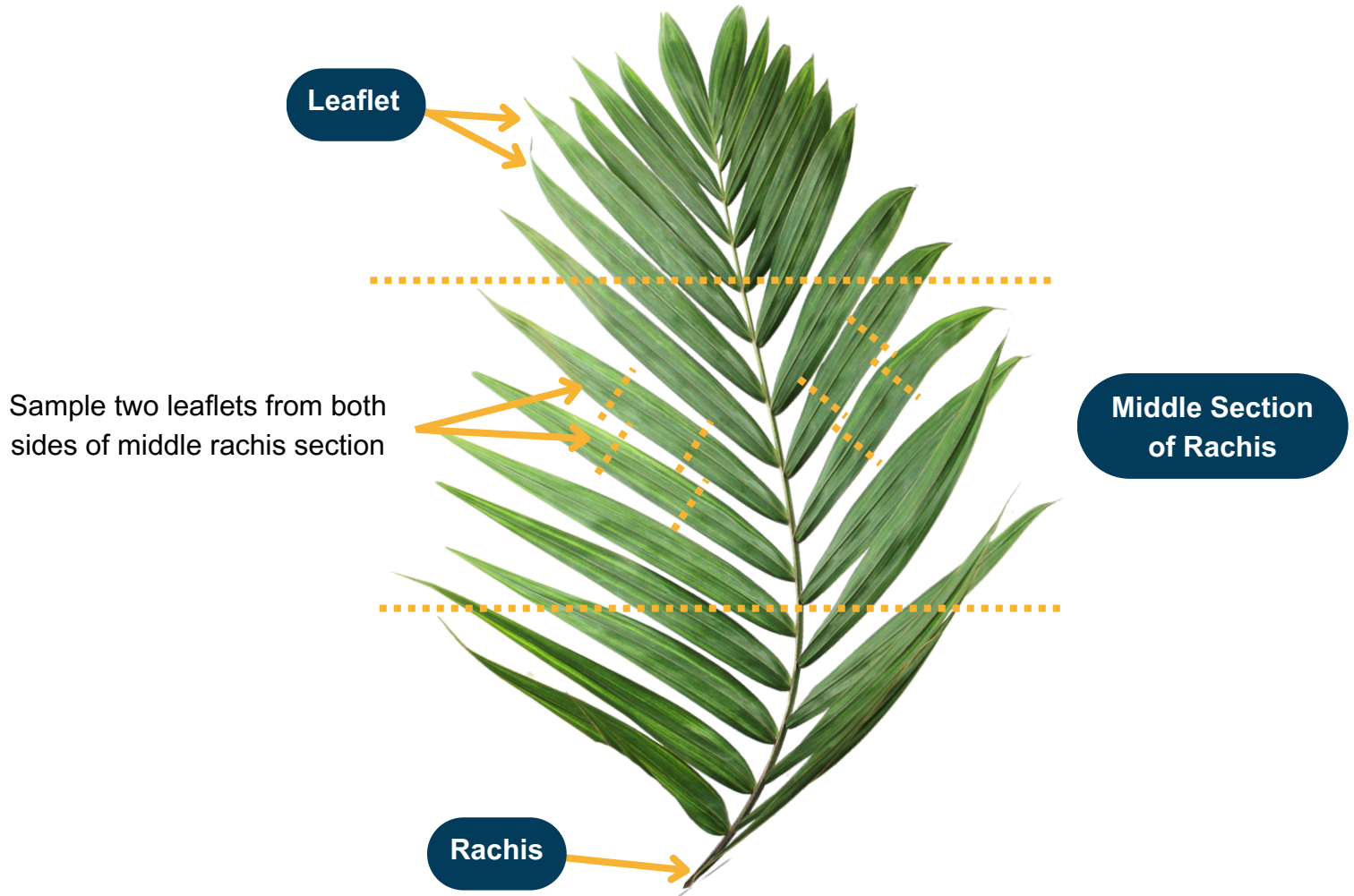
OLD- Oldest still healthy and functional frond from base. Place stacked middle section of leaflets in separate zip lock bag labeled OLD.

****Do not mix varieties when sampling as this may cause variation in analyses****



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Keep samples cool. Ship overnight or 2-day on M/T/W (morning arrival time) with ice packs. Samples should not come into direct contact with ice packs. Let air out of bags before shipping.

All samples must be accompanied by a fully completed Sample Submission Form. Fillable version available on our website www.newagelaboratories.com.