

LEAF SAP SAMPLING GUIDE

Corn



Keep in mind!

- Avoid outer rows and first 20 feet of a row.
- Sample trees with average leaf quality. Sample areas of abnormal growth separately.
- Sample consistently on sunny side of the plant and avoid extreme weather.
- If leaves are wet at sampling lightly pat dry before shipping
- (moisture influences results).
- Sap analysis data works best when used in progression. The more samples the better crop nutrient uptake can be illustrated and understood.
- Sample either before or 3+ days after fertilizer/pesticides have been applied.
- **Keep samples cool. Ship overnight or 2-day on M/T/W (morning arrival time). Ship samples with ice packs. Samples should not come into direct contact with ice packs. Let air out of bags before shipping.**



Sampling Instructions

Sample Time: Sample in the morning before 11 a.m. and temperatures less than 80F to ensure adequate leaf tension and moisture. Avoid sampling in the rain.

Sample Size: Collect 80+ grams each of both new (young) and old leaves + petiole for a collected total of 160+ grams per sample set. Collect new & old leaves separately. Label gallon zip lock bag: New or Old. Fill bag 3/4 full of leaf sample.

Initial Sampling: Begin sampling when young leaves are fully developed and expanded, place in zip lock bag. New leaves only.

Consecutive Samples: New & Old leaf set every 2 weeks.

NEW - Youngest fully formed leaf from the growing part of the plant. Place leaves in zip lock bag labeled NEW. New leaf = newest yet fully developed leaf.

OLD - Sample farthest leaves from the growing point that is still functional. Place leaves in separate zip lock bag labeled OLD. Old leaf = oldest yet still viable leaf.

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

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

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