

LEAF SAP SAMPLING GUIDE

Corn



Keep in mind!

- Avoid outer rows and first 20 feet of a row.
- Sample leaves with average leaf quality. Sample areas of abnormal growth separately.
- Sample consistently; avoid extreme weather etc.
- 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.
- 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) and old leaves for a collected total of 160+ grams per sample set. Bag leaves separately labeled New and Old.

Initial Sampling: Begin sampling at V2-4. Sample entire young plant (without roots), place in zip lock bag.

Sequential Samples: Sample New and Old leaves separately at V6-8, V10-12, R1-2. Cut leaves into thirds and sample only middle 4-5 inch section. Consider adding ear leaf (collard leaf supporting ear) or replace new leaf with ear leaf once field scouting indicates initial ear development.

NEW- Youngest fully formed leaf, second or third from the top of the plant. Place stacked leaves in zip lock bag labeled NEW.

OLD- Still healthy and functional leaves, second to fourth (depending on growth stage) leaf from the base of the plant. Place stacked stacked leaves in separate zip lock bag labeled OLD.

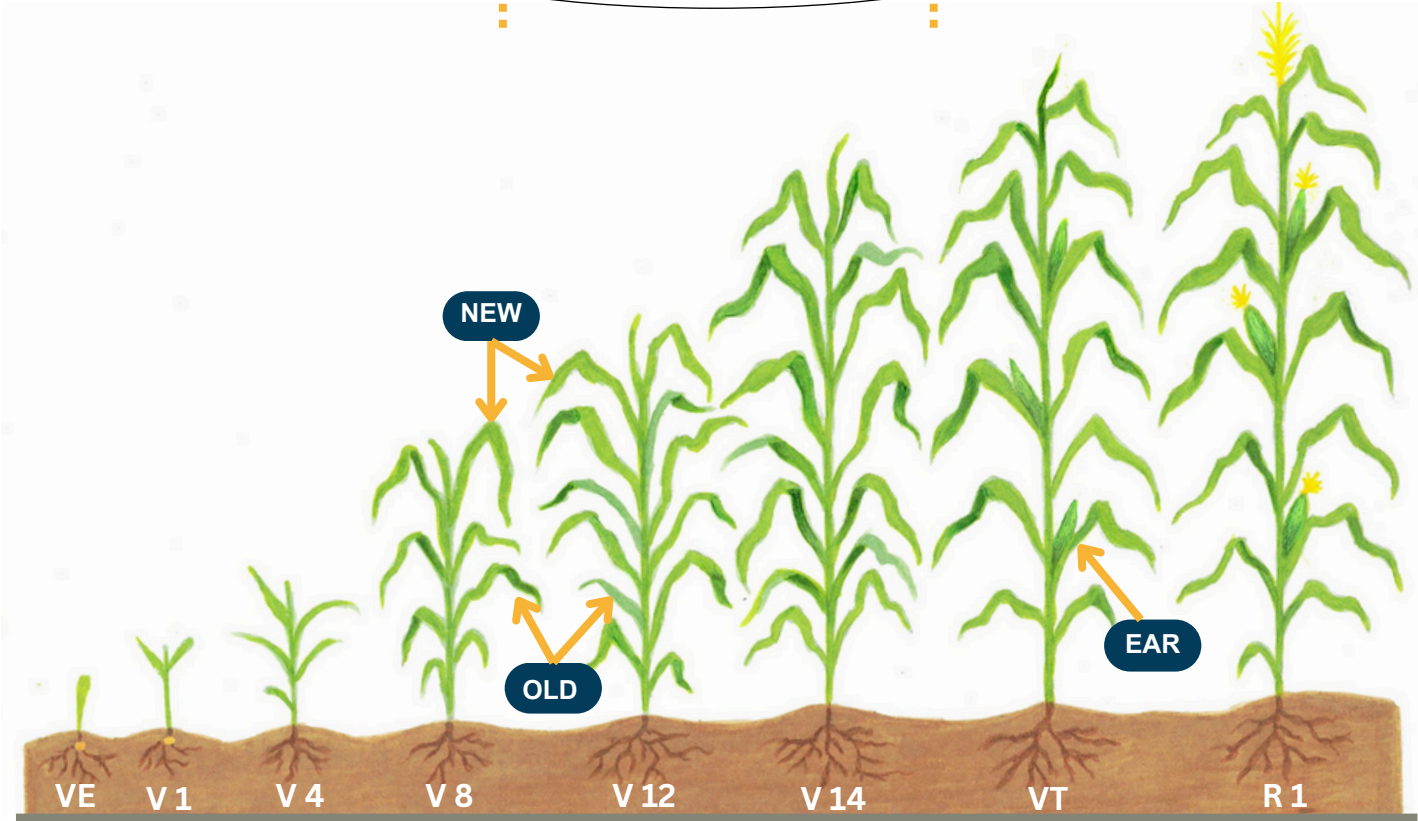
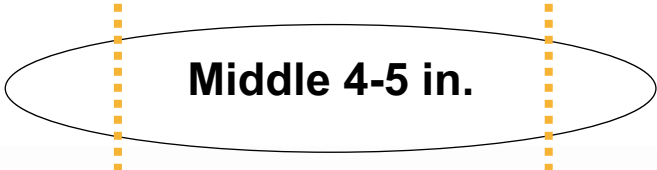
****Do not mix varieties when sampling as this may cause variation in analyses****

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Sequential New/Old Leaf Sampling: Cut leaves into thirds and place middle 4-5 inch section into zip lock bag.



Drawn by In-house artist, Jose Aburto. Property of NEW AGE Laboratories

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.