

LEAF SAP SAMPLING GUIDE

Corn



Keep in mind!

- Avoid outer rows and first 20 feet of a row.
- Sample areas of average leaf quality. Sample areas of abnormal growth separately.
- Sample consistently: sunny side of the plant, 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.
- 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 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 for a collected total of 160+ grams per sample set. Bag new & old leaves separately in gallon zip lock bags labeled New or Old.

Initial Sampling: Begin sampling at V2-4. Sample 80+ grams of whole young plant (without roots) and place in zip lock bag labeled New.

Sequential Samples: Target subsequent samplings at: V6-8, V10-12, R 1-2. New/Old leaves sampled separately. 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, 2nd-3rd leaf from the top of the plant. Place stacked leaf sections in bag labeled NEW.

OLD - Sample still healthy and functional leaf which will be 2nd-4th (depending on growth stage) leaf from the base of the plant. Place stacked leaf sections in separate bag labeled OLD.

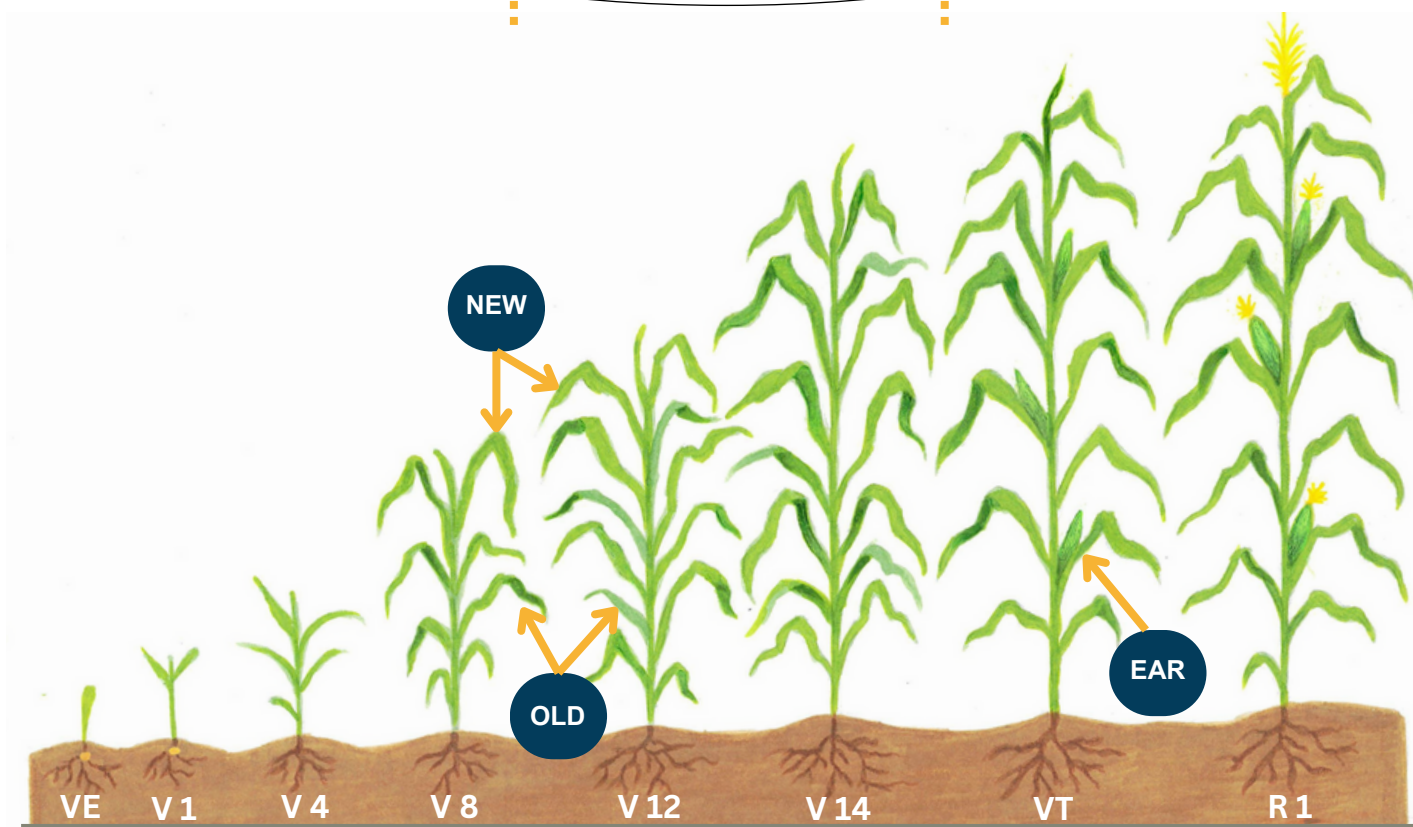
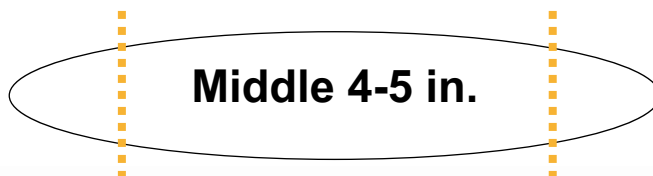
****Do not mix varieties when sampling as may cause variation in analyses****

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Sequential New/Old Leaf Sampling: Cut leaves into thirds and sample only middle 4-5 inch section and place 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). Ship samples 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.

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