

LEAF SAP SAMPLING GUIDE

Dry Bean



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 trifoliolate leaves + petiole for a collected total of 160+ grams per sample set. Bag leaves separately labeled New and Old.

Initial Sampling: Begin sampling when plants have developed its first trifoliolate leaf. Place stacked trifoliolate leaves + petiole in zip lock bag labeled NEW. New fully expanded leaves only. Growth stage: V2

Sequential Samples: New and Old leaf sample set every 2+ weeks in conjunction with growth stages: V4-V8, R1 (beginning bloom), R2 (beginning pod), R3 (50% blossom), R4 (pod fill), pre-harvest

NEW- Youngest fully expanded trifoliolate leaf + petiole from the growing point of the plant, usually light green in color. Place stacked trifoliolate leaves + petiole in zip lock bag labeled NEW.

New leaf = newest yet fully developed trifoliolate leaf + petiole

OLD- Oldest still healthy and functional trifoliolate leaf + petiole typically the second or third leaf from base of plant. Place stacked trifoliolate leaves + petiole in separate zip lock bag labeled OLD.

Old leaf = oldest yet still viable trifoliolate leaf + petiole

****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.

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