

# LEAF SAP SAMPLING GUIDE

## Wheat



### Keep in mind!

- Avoid outer rows and five 20 feet of a row.
- Sample leaves with average leaf quality. Sample areas of abnormal growth separately.
- Sample consistently; sunny side of 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.
- Note fertilizer, irrigation times and application rates if possible.
- Sample either before or 3+ days after fertilizer/pesticides have been applied.



### Sampling Instructions

**Sample Time:** Take samples before 11 a.m. and temperatures less than 80 °F to ensure adequate leaf tension and moisture.

**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 and old leaves separately in zip lock bags labeled New and Old.

**Initial Sampling:** Begin sampling at feekes 2-3. New fully developed leaves only. Cut blades approximately 2 inches from base. Place leaves in a zip lock bag labeled NEW.

**Second Sampling:** Begin at feekes 4-5 New and Old leaf sample set. Place stacked new and old leaves in separate zip lock bags labeled NEW and OLD.

**Third Sampling:** Begin at feekes 7-9 New and Old leaf sample set as described in second sampling. Place stacked leaves in separate zip lock bags labeled NEW and OLD.

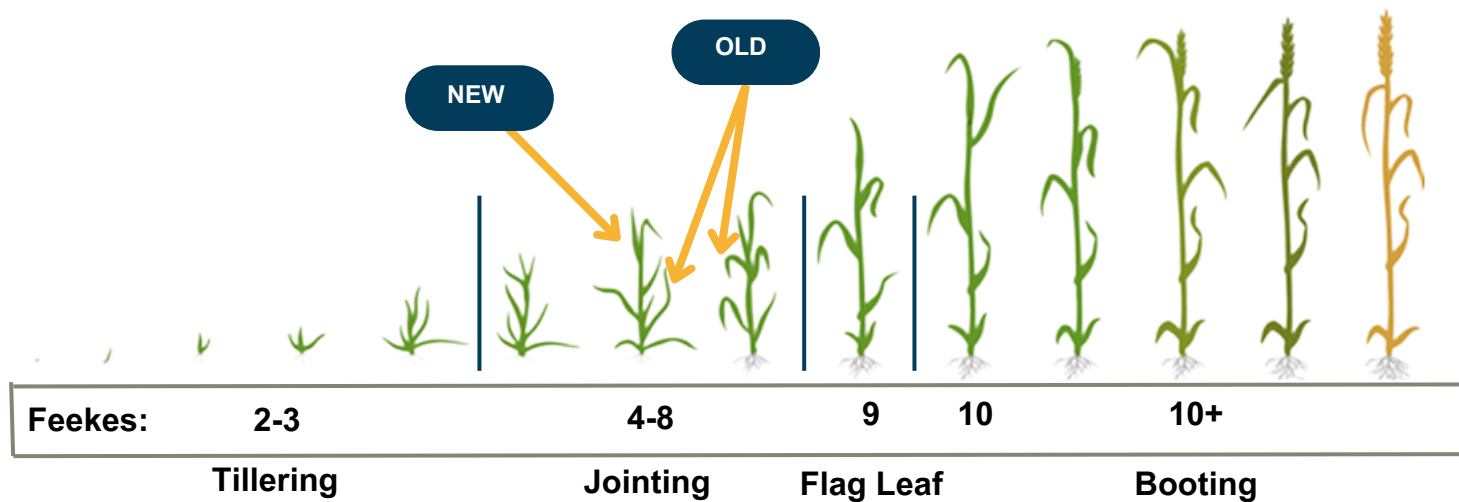
**New leaf = newest yet fully developed leaf**

**Old leaf = oldest yet still viable leaf**

**\*\*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](http://www.newagelaboratories.com).