

LEAF SAP SAMPLING GUIDE

Turfgrasses/Sod



Keep in mind!

- Grasses should be sampled in a suite comprised of a plant sap sample and a Rapid Soil sample. A Rapid Soil sample is run in duplicate once with facilities irrigation water and once with lab DI water.
- Samples should be clipped by hand not machine mowed to minimize mastication or crushing of tissue.
- Do not mix varieties of grasses.
- Choose sampling locations representative of the entire area, avoid areas near edges and of abnormal growth.
- Sample consistently; same time of day, sunny/dry conditions.
- If blades are wet at sampling lightly pat dry before shipping (moisture influences results). Do not put paper towel in sampling bag.
- Sap Analysis data works best when used in progression. The more consistently samples are taken, the better crop nutrient uptake can be illustrated and understood throughout the year.
- Sample either before or 3+ days after fertilizer/pesticides have been applied. Please note on sample submission form if they have been applied for the safety of our lab technicians.



Sampling Instructions

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

Sample Size: Collect 80+ grams of blades, ranging from 1-10 cm in length. Place in zip lock bag.

Sequential Samples: Sample every 2+ weeks.

Rapid Soil Sampling: Samples are collected from the active root zone. Collect 3 cores from at least 10 sites (30 total) and combine for a final sample size of 1 cup. Do not let the soil dry out or overheat during sampling or shipping as this can lead to loss of NO₃ and NH₄.

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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