



POTATO

GUIDELINES for PLANT SAP SAMPLING

- Select an average representative area in the field for monitoring.
- Avoid outer rows and extreme ends of rows.
- Sample consistently from event to event (Sunny side of plants, avoid extreme weather etc.)
- Select average representative plants – avoid diseased plants. If diagnostic analyses are desired sample these areas separately.
- Do not mix varieties in the sample as there may be some variation.
- Sample from 8am – 11am, but monitor the same time each sampling event.
- Do not sample immediately after rain – note heat or cold stresses.
- Note fertilizer and irrigation times and application rates if possible.

HOW, WHEN, and HOW OFTEN

- Begin sampling at fourth leaf stage then monitor every other week through bulking up stage.
- New leaves take first fully expanded leaf out from the growing point of the plant. BE SURE TO TAKE WHOLE LEAF NOT JUST THE INDIVIDUAL LEAFLETS.



- Old leaves take the farthest fully expanded leaf from growing point that is still vital.

- Take 30 leaves, randomly across the sampling area (at least 80 grams).

1st Fully Expanded Leaf
(NEW Growth)



“AGRICULTURE IS OUR WISEST PURSUIT, BECAUSE IT WILL IN THE END CONTRIBUTE MOST TO REAL WEALTH, GOOD MORALS, AND HAPPINESS.”
—John F. Kennedy, Address to Congress (1961)

HANDLING and TRANSPORT

- Stack leaves.
- Use plastic bags and remove all excess air before sealing
- Collect dry samples.
- Keep cool and “dry” (don’t freeze or sit in direct sun).
- Send via the fastest form of delivery to minimize time in transit. NEW AGE recommends UPS given their reliable morning delivery time at our location.

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- Do not over pack— compression will cause deterioration.
- Place sample submission chain of custody (COC) form in shipping container with samples.

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