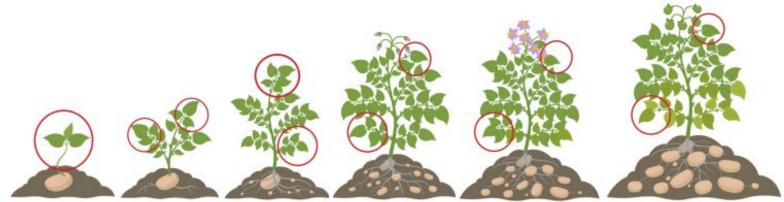


SAMPLING GUIDE Potatoes





RECOMMENDED SAMPLING INTERVALS

SPROUTING EARLY VEG LATE VEGETATIVE TUBER INITIATION TUBER BULKING MATURATION

Potato Leaf Sampling Instructions

- 1. Collect NEW leaves and OLD leaves SEPARATELY in individually labeled bags:
- New = newest recently mature growth from the top of the plant
- Old = oldest still-viable growth from the bottom of the plant
- **2.** Collect a representative field sample, including one new leaf and one old leaf, from 10-15 plants of the same cultivar and growing conditions. Each sample (new and old) should fill a **1 qt** plastic bag.
- 3. Remove petioles and all other non-leaf plant material from sample leaves.
- **4**. Complete a Leaf <u>Sampling Label</u> (linked) with your contact info, crop, cultivar, field/block info, new/old leaf, and desired agronomy services. Affix labels to the outside of each sealed plastic sample bag. (Do not use paper bags or include paper in bags)
- **5. Keep samples viable** by minimizing shipping time and using cold packs and/or insulated packaging when shipping leaves in warm conditions. Wrap frozen cold packs in paper to insulate them from direct contact with samples.
- 6. Mail samples to the address on the back of your sampling label.
- 7. You will receive a bill after we process the sample. Pre-purchase samples at Regen Aquaculture or contact us for a quote at sales@regenaquaculture.com.

DO NOT SEND ANY INTERNATIONAL LEAF, SOIL, OR WATER SAMPLES WITHOUT PRIOR WRITTEN APPROVAL FROM Regen Aquaculture

TIPS FOR BEST RESULTS:

- Request Regen Aquaculture for nutrient target range and detailed recommendations.
- Include notes about growth stage, health, pests/disease, and other points to help us serve you.
- **Be proactive** by conducting 5-7 plant sap analyses throughout the growing process (recommended sampling intervals are listed in the table above).
- Solve stress, pests, or toxicities by testing and treating weekly until optimal health is achieved.
- <u>Collect leaves at a consistent time</u> of day, preferably before 10 a.m., to ensure minimal transpiration about two hours after sunrise is optimal. For indoors, sample within one hour of the light cycle start.
- Ensure leaves are clean of dew, dirt, and fertilizers wash with clean, cold, non-chlorinated water if needed.
- Ensure leaves are surface-dry (not dried out) before bagging use a paper towel or air-dry if needed.
- *Please do NOT leave paper towels (or anything that will dry out leaves) in bags with samples.

