



## GUIDELINES for PLANT SAP SAMPLING CANNABIS/HEMP

- Select an 10 average representative areas in the field/grow for monitoring.
- Avoid outer rows and extreme ends of rows.
- Sample consistently from event to event (for outside grow select sunny side of plants, avoid extreme weather etc.)
- Select average representative plants – avoid diseased plants. If diagnostic analyses are desired sample these plants separately.
- **Do not** mix varieties in the sample as varietal variation is still being established (please identify on submission).
- Sample from 8am – 11am (outside grow operations) or 2 to 4 hours after lights on for controlled operations, 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 when plants reach the fifth leaf stage or when first buds appear, monitor weekly or every other week until harvest.
- **Collecting New Leaves** take the first fully expanded leaf down from the growing point of the plant. Do not take more than 3 leaves from any 1 plant. From your 10 locations through the crop select 5 to 6 leaves at each location (50 to 60 leaves or 80 grams).
- **Collecting Old Leaves** take the farthest leaf from growing point that is still vital that is fully expanded leaf. Do not take more than 3 leaves from any 1 plant. From your 10 locations through the crop select 5 to 6 leaves at each location (50 to 60 leaves or 80 grams).
- **BE SURE TO TAKE WHOLE LEAF NOT JUST THE INDIVIDUAL LEAFLETS INCLUDING PETIOLE.**
- **QUICKSOIL Samples** If collecting QS to pair with New Leaf Sap. Collect soil sample at each of the 10 sampling locations homogenize and bag 1 to 2 cups of homogenized sample.

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1<sup>st</sup> Fully Expanded Leaf including Petiole (fifth from growing tip). The individual fingers are leaflets.

## HANDLING and TRANSPORT

- Collect dry samples.
- Stack leaves and place into zip-lock bags.
- Remove all excess air before sealing
- Keep cool and “dry” (don’t freeze or sit in direct sun).
- NEW AGE will not accept any samples containing bud or flower parts. Samples are assumed to be less than 0.3% THC and come from live botanical plants no dry tissue matter.
- Do not over pack– compression will cause deterioration.
- Place sample submission chain of custody (COC) form in shipping container with samples or utilize sample login portal.

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“AGRICULTURE IS OUR WISEST PURSUIT, BECAUSE IT WILL IN THE END CONTRIBUTE MOST TO REAL WEALTH, GOOD MORALS, AND HAPPINESS.”

—Johnathon Thomas Affonso to George Washington (1787)

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