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### ***Sampling instructions for plant sap:***

Part of the plant – For sampling, take the **youngest, fully developed leaf** from the top of the plant. This is typically the 3<sup>rd</sup> or 4<sup>th</sup> leaf down from the top. Also take the **oldest, vital leaf** from the very bottom. Stay away from the edges of the field. If you see any of the young or old leaves which have some discolouration, sample as this indicates nutrient deficiencies.

Storing and shipping – Keep both “young” and “old” leaf separate. Store in a medium (sandwich sized) ziplock bag. Be sure the bag is closed and not exposed to air. Label the “young” and “old” leaf bags.

Sample size – In general, 30 leaves should be enough for a complete analysis (30 “young” and 30 “old”). For newer plants, it is safer to collect 40 of the younger leaves as the plant is still developing. If in doubt, please don’t hesitate to call or text me.

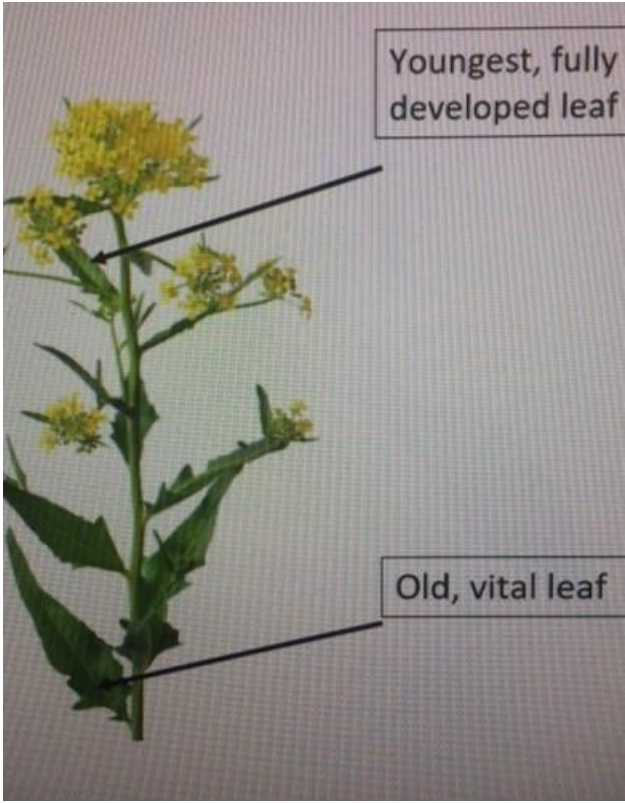
Cost - \$40 for the “young” leaf and \$40 for the “old” leaf. Total of \$80.

*Youngest fully developed leaf*

*Oldest, but vital leaf*



**Potato sampling**



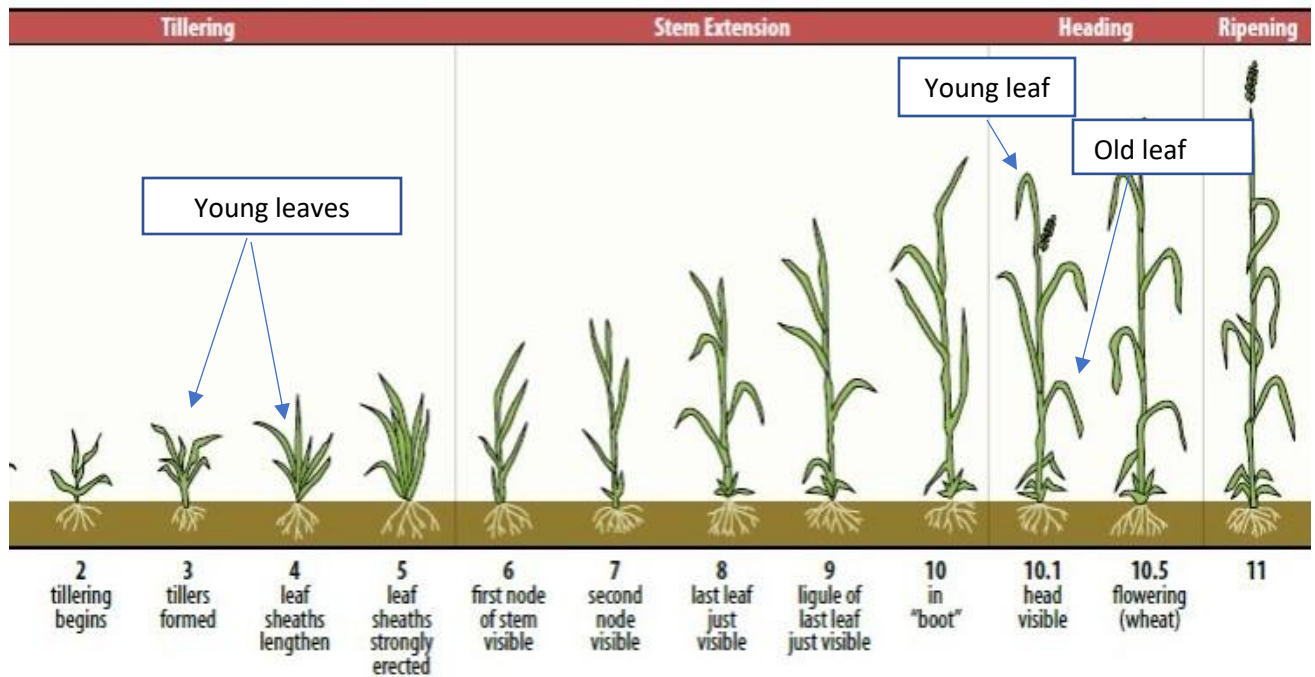
Youngest, fully developed leaf

Old, vital leaf

**Canola sampling**

## Sampling Guide – Wheat and Barley

For wheat and barley, during the tillering growth stage you can sample leaves from the base of the plant. This will be your young leaf. When the crop is in the stem extension growth stage, you can then begin sampling both the young and old leaves separately.



### Time of sampling

In the tillering stage, wait until plant is 20 cm tall before sampling. The stem extension period is ideal for results.

## Beans

- Begin sampling when the plant has at 5 leaves, every two or three weeks. For ideal results, collect samples before 9am as leaf tension will be better.
- Collect approximately 25 leaves of each “young” and “old” leaves. Store in a ziplock sized bag and keep each “young” and “old” leaf separate.

Young Leaf



Old Leaf