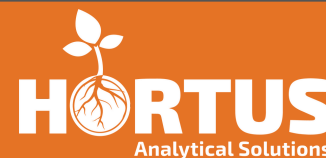


# BARLEY CEREALS

## 3 FLAG LEAF STAGE



Sample the flag leaf and sheath down to the last node. The flag leaf will be the final leaf that emerges before the grain head emerges.

Collect **100 - 150 leaves** per sample, selected randomly through the sampling area to obtain a representative sample. Avoid distorted or stunted plants in the sampling area. Do not send dried plants.

If you require a Sap 2 or 3 analysis, please collect **twice** as many leaves.

If you require a Sap 4 comprehensive analysis, please collect **three times** as many leaves.

### Monitoring program

Usually a single sample is sufficient from this growth stage.

### Additional Notes:

- To ensure that the laboratory is able to perform the entire test suite required and that the optimal levels supplied on the laboratory report are relevant, please ensure that the above instructions are followed.



**FLAG LEAF, FINAL LEAF  
BEFORE GRAIN HEAD**

- Place samples into a plastic sample bag, not in paper, as paper will dry out the sample and may not allow for enough sap to be extracted for the analysis requested.

# BARLEY CEREALS

## DIFFERENTIAL SAP ANALYSIS



### Sampling for new leaf and old leaf testing:

- Take the flag leaf and sheath down to the last node. BE SURE TO TAKE WHOLE LEAF & STEM (petiole + shaft of flag leaf), not just the leaflets. This will be your NEW LEAF SAMPLE.
- Take the petiole from the from an old leaf from the same growing stem. BE SURE TO TAKE WHOLE LEAF & STEM (petiole + shaft), not just the leaflets. This will be your OLD LEAF SAMPLE.
- Sample randomly across the block to obtain a representative sample. If the petioles are small, more petioles will need to be collected. If the old leaves are dry, more petioles will need to be collected. The part to be tested is the petiole (leaf stalk).



**NEW LEAF**  
(1ST FULLY  
EXPANDED LEAF)

**OLD LEAF**