

YLAD Living Soils

Putting life back into the land



- 1) Please collect leaf samples and deposit them in the paper bags provided recording all details. For all crops please **send only one species** of plant per sample bag. For leaf collection information please call the office on 02 6382 2165 or Free Call 1300 811 681
- 2) **EXPRESS POST** samples in an envelope **and include a cheque/credit card details** for payment of **\$105.11 per sample** inc GST + **\$23.10** inc GST **per Chain of Custody form** (new Admin Charge from EAL) made out to **Environmental Analysis Laboratories**
- 3) **Email your SAMPLE BACKGROUND INFORMATION** to YLAD Living Soils to info@yladlivingsoils.com.au so we know to expect your results.
- 4) Your test data will be entered into a comprehensive analysis sheet, which will clarify your results by presenting them in a bar graph and we will make appropriate fertiliser recommendations.
- 5) **The Leaf Therapy™ results and recommendations will be mailed or emailed to you ASAP.**

Plant Therapy Leaf Analysis is a natural extension of the Life-Force™ Soil Analysis service where an in-depth fertility analysis of soil test data is used to formulate **custom fertiliser blends** for individual blocks. We have found that the increases in production and quality attributed to this form of **precision nutrition** can be further enhanced with regular leaf analysis monitoring and appropriate corrective action.

Sometimes the potential yield limitation is simply related to deficiencies or excesses of nitrogen, potassium or phosphorus, but more often it is the trace elements or minerals like calcium and magnesium that need to be adjusted. Whatever the case, it is not possible to precisely determine mid-cycle nutrition requirements without a regular leaf analysis. When a deficiency is visibly apparent in the plant, then it is already too late to avoid some form of yield limitation, although it can still be minimised.

Life-Force™ Leaf Analysis includes nutrient analysis for the following:

Nitrogen (N)
Sulphur (S)
Sodium (Na)
Manganese (Mn)

Phosphorus (P)
Calcium (Ca)
Copper (Cu)
Iron (Fe)

Potassium (K)
Magnesium (Mg)
Zinc (Zn)
Boron (B)

Environmental Analysis Laboratory also offers a service whereby the leaves are thoroughly washed according to a standard procedure. This will cost an extra \$6.93 (inc GST) per sample ie. A leaf sample would then cost \$105.11 (inc GST). This will ensure that the test is measuring the nutrient within the leaf and not any residues from fertiliser applications.

Please contact YLAD Living Soils on (02) 6382 2165 if you have any further queries.

Plant Therapy™

Leaf sampling procedure

Collection procedure

IMPORTANT: Please use gloves provided to avoid sample contamination
For all crops please **send only one species** of plant per sample bag.

1. Locate the desired area you wish to sample, typically a representative area of the paddock is preferred. Keep in mind soil types, known problem areas or different fertiliser rates.
2. Within this area follow a repeatable transect that you are happy with and can replicate.
3. At the first point cut the plant at the base just above the soil line (ensure no contamination with soil). Continue this for five consecutive plants within the row. Then move along your transect and collect another five consecutive plants. **DO NOT TARGET** very good or poor growth - keep sampling at random so as to not unduly influence the results. A plastic bucket or paper bag works best to gather the plant tissue samples, **PLEASE DO NOT USE PLASTIC WHEN COLLECTING SAMPLES**.
4. Collect plant parts as such:
 - Early tiller to first node on main stem – collect all above ground material.
 - Post first node on mainstem – only collect the bottom 10 cm of the plant (i.e. cut the tops off).
5. Collect enough plant material to half fill the white paper bag (50-100 plants).
6. Mark, GPS or define landmarks so that the same location can be targeted next time.
7. Try to collect samples mid morning if possible. If repeating a sample in the same paddock try to do so under similar circumstances as the previous sample. Avoid sampling if it is raining.
8. Label sample bags in permanent marker with the following details:
 - Business Name, Farm, Paddock, Date, Crop type, Growth stage.
9. Growth stage is important. It is critical to the lab and to enable accurate Interpretation of data.
10. Fill out a submission form with applicable details.
11. Tick the NP-PACK-001 box on the Chain of Custody and send with the sample