



Improve soil and crop health with

BIOS Plant Tissue Testing

Optimising fertilizer inputs and maximising yields and returns

One simple cost-effective way of ensuring the nutrients in the soil are being absorbed by the plant in appropriate levels is to analyse the plant tissue every year.

If taken early in the growing season this analysis combined with our expert interpretation will give growers peace of mind regarding the nutritional health of their crop.

BIOS Plant Tissue Analysis allows the grower to determine if the chosen fertilizer program is adequate and provides the opportunity to fine-tune the fertilizer inputs in the current season.

Predict nutrient problems before they cause production losses.

Our plant tissue reports provide the following information:

- Details on fertilizer requirements for optimum growth of specific crops. Natural fertilizers are recommended over synthetic ones for their environmental benefits and long term sustainability.
- Trace elements required to overcome deficiencies.
- Suggestions to help alleviate problems in future seasons.

Organic and Sustainable Recommendations

We can provide organic or integrated recommendations so growers can clearly see what needs to be added to maximise yields.

Join the growing group of farmers who utilize our plant tissue analysis to optimise their fertilizer inputs and returns.

Analysis Cost

Plant Tissue Analysis	Horticulture	\$60+GST per sample
	Broad-acre	\$60+GST per sample

Plant Tissue Analysis—what we test for

Total nitrogen (N-%), phosphorus (P-%), potassium (K-%), sulphur (S-%), sodium (Na-%), calcium (Ca-%), magnesium (Mg-%), chloride (Cl-%), copper (Cu-ppm), zinc (Zn-ppm), manganese (Mn-ppm), iron (Fe-ppm), nitrate-N (ppm), boron (B-ppm).

Includes analysis and agronomist interpretation of results - either organic or integrated.

Time of Sampling

Below is a list of the best times for tissue sampling for a range of crops.

Crop		Time of Sampling
Vegetables		
Brassica	Broccoli	4 weeks after transplant
	Cabbage	4 weeks after transplant
	Cauliflower	4 weeks after transplant
Cucurbits	Cucumber	4-6 weeks after seeding
	Melon	4-6 weeks after seeding
Leaf Vegetables	Celery	4 weeks after transplant
	Lettuce	4 weeks after transplant
Root Vegetables	Carrots	1-3cm root diameter
	Potato	6 weeks after planting
	Onion	4 weeks after transplant
Fruit		
Citrus	All	January to March
Grape Vines	Wine	Flowering, November to December
	Table	Flowering, November to December
Pome Fruits	Apple	January to February
	Pear	January to February
Stone Fruit	Apricot	January to February
	Cherry	January to February
	Nectarine	January to February
	Peach	January to February
	Plum	January to February

We have **Plant Tissue Testing Kits** available at no charge. Contact us by phone or email and we'll send you a kit, or download a form from our website and use your own paper bags for your tissue samples.



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