

# Animal and Plant Laboratory

## Schedule of Analytical Services



This fee schedule applies to the analysis of water, soil, soil amendments, livestock feed, plant tissue and other related materials.

**All samples tested by Laboratory Services will incur an additional disposal fee of \$1.00.**

Sample handling and disposal fees may be applicable when referred to an offsite lab; fees are available upon request. HST is **not** included in listed prices and will be applied separately.

**For questions regarding pricing or sample volume/quantity required for testing, please contact Sample Receiving at 902-893-6565.**

- Farmers with a valid farm registration number are eligible for a discount **on select tests**.
- Priority analysis may be available for a rush fee. This will be assessed upon sample submission.
- Original sample reports are provided via email, fax, or mail. Reprints are available for a charge of \$4.00 per report or soil crop.
- Data is also available in electronic format upon request.
- Fees, including handling and disposal fees, are subject to change without notice.

### Water analysis

*Samples that require testing for Total Coliform/E. Coli must be submitted in a lab issued, bacteria container.*

Total Coliform / E.coli – presence/absent <sup>AT</sup>	<b>\$22.96</b>
Total Coliform / E.coli (MPN count) <sup>AT</sup>	<b>\$37.35</b>

*The W1 Standard mineral package and each individual test requires one (1) lab issued mineral bottle, 250mL with black top.*

<b>W1 Standard Package<sup>AT</sup>:</b> Ca, Mg, K, Na, Cl, SO <sub>4</sub> , Fe, Mn, Cu, Zn, Ba, B, Cd, Cr, Al, pH, NO <sub>3</sub> +NO <sub>2</sub> -N, alkalinity, hardness and conductivity	<b>\$77.29</b>
<b>Mineral testing<sup>AT</sup>:</b> Ca, Mg, K, Na, SO <sub>4</sub> , Fe, Mn, Cu, Zn, Ba, B, Cd, Cr, Al and hardness	<b>\$32.04</b>
Nitrate + nitrite nitrogen <sup>AT</sup>	<b>\$11.96</b>
Alkalinity <sup>AT</sup>	<b>\$9.26</b>
Conductivity <sup>AT</sup>	<b>\$8.22</b>
pH <sup>AT</sup>	<b>\$8.39</b>
Chloride <sup>AT</sup>	<b>\$9.61</b>

### Water tests referred out for analysis

*The tests listed below are referred out to an accredited lab for analysis. Please contact the lab directly for specific referral lab prices and instructions. Disposal, shipping and handling fees will apply. Bottle requirements for individual tests are as indicated. (Note: "1 mineral" refers to a 250mL lab-issued bottle)*

Arsenic <sup>1</sup>	<b>1 mineral</b>
Lead <sup>1</sup>	<b>1 mineral</b>
Uranium <sup>1</sup>	<b>1 mineral</b>
TKN <sup>1</sup>	<b>1 mineral</b>
TSS <sup>1</sup> or TDS <sup>1</sup>	<b>500mL bottle</b>
BOD <sup>1</sup>	<b>500mL bottle</b>
Total dissolved solids (TDS) <sup>1</sup>	<b>500mL bottle</b>
Total phosphorus (TP) <sup>1</sup>	<b>1 mineral</b>
Reactive phosphorus (SRP) <sup>1</sup>	<b>1 mineral</b>
Ammonia-N (NH <sub>3</sub> -N) <sup>1</sup>	<b>1 mineral</b>

<sup>AT</sup> indicates accredited test

<sup>1</sup> indicates samples are sent to an accredited lab for analysis

## Lawn/garden and field soil analysis

<b>S1</b>	<b>Standard lawn/garden/field soil:</b> pH, LR, OM, P <sub>2</sub> O <sub>5</sub> , K <sub>2</sub> O, Ca, Mg, Na, S, Fe, Mn, Cu, Zn, Al, B, CEC, Base Sat., nutrient requirements and recommendations	<b>\$27.61</b>
<b>S10</b>	S1 + conductance	<b>\$35.83</b>
	Conductance (soil salt)	<b>\$8.22</b>
	Soil pH and liming requirement (LR) <sup>AT</sup>	<b>\$8.52</b>
	Total nitrogen	<b>\$12.96</b>
	Soluble nitrate nitrogen (NO <sub>3</sub> -N)	<b>\$9.26</b>
	<b>Soil mineral testing<sup>AT</sup>:</b> P <sub>2</sub> O <sub>5</sub> , K <sub>2</sub> O, Ca, Mg, Na, S, Fe, Mn, Cu, Zn, Al, B	<b>\$11.96</b>
	Organic matter	<b>\$5.17</b>

## Greenhouse analysis

<b>G1P</b>	<b>Greenhouse soil paste method/saturated media extraction:</b> pH, conductance, Nit-N, P, K, Ca, Mg, SO <sub>4</sub> , Cl, Fe, Mn, Cu, Zn, B, Al, Na	<b>\$46.87</b>
<b>G2</b>	<b>Nutrient solutions:</b> pH, conductance, NO <sub>3</sub> , P, K, Ca, Mg, B, Fe, Mn, Cu and Zn	<b>\$23.91</b>
<b>G3</b>	<b>Greenhouse water:</b> pH, conductance, NO <sub>3</sub> , P, K, Ca, Mg, B, Fe, Mn, Cu, Zn, Na, Cl, SO <sub>4</sub> and alkalinity	<b>\$29.92</b>
	Greenhouse pH	<b>\$9.13</b>

## Plant tissue analysis

<b>T1</b>	<b>Standard plant tissue package:</b> N, P, K, Ca, Mg, Fe, Mn, Cu, Zn, B and Na	<b>\$29.92</b>
<b>T2</b>	T1 + dry matter	<b>\$34.26</b>
<b>T3</b>	Nitrogen only <sup>AT</sup>	<b>\$12.91</b>
<b>T4</b>	Sulfur only <sup>AT</sup>	<b>\$31.87</b>
	Dry matter only	<b>\$6.65</b>

## Digest samples Mehlich 3 or nitric acid

<b>D1</b>	<b>Filtered and ready to run:</b> Ca, P, Na, K, Mg, Fe, Mn, Cu, Zn, B, Al, SO <sub>4</sub>	<b>\$11.92</b>
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## Soil amendment analysis

<b>A1</b>	<b>Manure:</b> Total N, C:N ratio, NH <sub>4</sub> -N, P <sub>2</sub> O <sub>5</sub> , K <sub>2</sub> O, Ca, Mg, Fe, Mn, Na, Cu, Zn, B, DM and pH	<b>\$47.83</b>
<b>A2</b>	<b>Compost:</b> N, C:N ratio, P <sub>2</sub> O <sub>5</sub> , K <sub>2</sub> O, Ca, Mg, Na, Fe, Mn, Cu, Zn, B and DM	<b>\$35.87</b>
<b>A3</b>	<b>Mushroom compost:</b> N, C:N ratio, NH <sub>4</sub> -N, LOI, pH and DM	<b>\$29.87</b>
<b>A4</b>	<b>Limestone:</b> Solubility, Ca, Mg and neutralizing value	<b>\$38.74</b>
	Ammonium nitrogen (NH <sub>4</sub> -N)	<b>\$14.22</b>
	Loss on ignition (LOI)	<b>\$5.17</b>
	Carbon (C:N ratio)	<b>\$15.26</b>

## Feed analysis

<b>F1</b>	<b>Standard forage/grain:</b> DM, Protein, ADF, TDN, DE, Ca, Mg, P, Na, K, Mn, Cu, Zn, Nel, Nem and Neg	<b>\$39.52</b>
<b>F10</b>	Standard forage/grain + NDF	<b>\$51.04</b>
<b>F2</b>	<b>Basic forage:</b> DM, protein, ADF, TDN, DE, Nel, Nem and Neg	<b>\$24.65</b>
<b>F20</b>	Basic forage + NDF	<b>\$33.52</b>
<b>F3</b>	<b>Standard feed:</b> DM, protein, Ca, P, Na, Mg, K, Mn, Cu and Zn	<b>\$29.92</b>
<b>F4</b>	<b>Standard feed + crude fat:</b> F3 + crude fat	<b>\$44.87</b>
<b>F5</b>	<b>Basic feed:</b> DM and protein	<b>\$16.13</b>
<b>F6</b>	<b>Mink/fox feed:</b> F3 + crude fat and ash	<b>\$55.65</b>
<b>F7</b>	<b>Dry matter + minerals:</b> DM, Ca, P, Na, Mg, K, Mn, Cu and Zn	<b>\$23.91</b>
	Moisture	<b>\$7.83</b>
	Crude protein <sup>AT</sup>	<b>\$12.96</b>
	Soluble protein	<b>\$15.00</b>
	Acid detergent fibre (ADF)	<b>\$11.65</b>
	Neutral detergent fibre (NDF)	<b>\$11.65</b>
	ADIN (protein digestibility, bound protein)	<b>\$21.82</b>
	Mineral testing	<b>\$20.65</b>
	Crude fat	<b>\$19.48</b>
	Ash	<b>\$9.00</b>
	pH	<b>\$7.39</b>
	Iron (Fe)	<b>\$9.67</b>
	Sulfur <sup>AT</sup>	<b>\$28.65</b>

## Submission forms

Submission forms must accompany all samples submitted for analysis. Forms are available at: [novascotia.ca/agriculture-labs](https://novascotia.ca/agriculture-labs)

### Laboratory Sample Receiving

176 College Road, Truro, Nova Scotia.

**NSDA Regional Offices** located in Sydney, Antigonish, Kentville and Cornwallis and at Strathlorne Forest Nursery in Inverness.

## Water samples

Water samples are accepted at the Laboratory in Truro **Monday to Wednesday** 8:30am – 3:00pm. **Thursday** until 1:00pm. Water samples are not accepted at the Laboratory on Fridays.

For acceptable sample drop-off times at Regional Office locations, please contact your closest NSDA Regional Office.

Bacteria water samples with color (brownish, yellowish, etc.) must be received by 3:00pm on Wednesday.

**Bacteria water samples MUST be received by the laboratory within 24 hours of sample collection.**

## All other samples

All other sample types are accepted Monday to Friday, 8:30am – 3:30pm.

### Business hours:

Monday to Friday, 8:30am – 4:30pm.

### Payment Methods

We currently accept Visa, MasterCard, debit, cash, cheque or money order.

For samples submitted by mail, credit card payment can be made over the phone, or a cheque or money order made out to the Nova Scotia Department of Agriculture can be sent with the sample(s).

## Sample drop off

### Truro

Laboratory Services  
176 College Road Truro, NS B2N 2P3  
902-893-6565

### Cornwallis

176 Haida Street  
Cornwallis Park, NS B0S 1H0  
902-638-2395

### Kentville

32 Main Street  
Kentville, NS B4N 1J5  
902-679-6021

### Antigonish

190 Beech Hill Road, RR#6  
Antigonish, NS B2G 0B4  
902-863-4705

### Sydney

Suite 32, 360 Prince Street  
Provincial Building, 3<sup>rd</sup> Floor,  
Sydney, NS B1P 5L1  
902-563-2000

### Strathlorne Forest Nursery

Department of Lands and Forestry  
15039 Route 19, Inverness, NS B0E 1N0  
902-258-2626

### Nova Scotia Department of Agriculture Agriculture & Food Operations Animal & Plant Laboratory

176 College Road (Harlow Institute)  
Truro, Nova Scotia B2N 2P3  
Tel: (902) 893-6565  
Fax: (902) 893-4193  
[novascotia.ca/agriculture-labs](https://novascotia.ca/agriculture-labs)