



A&L Canada Laboratories APRIL 2020 NEWSLETTER

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PRECISION AG UPDATE

By Brandon Yott byott@alcanada.com

Strategy & Business Development Manager, Precision Ag

MERITS OF A GOOD SAMPLING PROGRAM

- Start with a strong foundation...you cannot create a sound nutrition program guessing or based on a hope and a prayer!
- An intensive sampling program helps you identify and quantify the variability of all your essential nutrients across your field; variability can rob farmers of yield and profitability
- To get the most out of your input dollars, you need to know where they are needed most and where they are not

“When commodity prices are **HIGH**, additional yield is a **LUXURY**.”

When commodity prices are **LOW**, additional Yield is a **NECESSITY**”

– Dr. Fred Below



BULK, ZONE, AND SITE-SPECIFIC SOIL SAMPLING PROGRAMS

	BULK OR COMPOSITE	ZONE OR POLYGON BASED	SITE SPECIFIC OR GRID / SMART GRID
OVERVIEW	<ul style="list-style-type: none"> The traditional method for sampling soils but is considered imprecise because it does not adequately account for differences in soil variability Involves taking samples in a random pattern across a field (avoiding problem soil areas) and blending them into one 'average' sample 	<ul style="list-style-type: none"> Zone sampling divides a field into smaller production areas based on utilizing other map/data layers (such as yield or biomass (NDVI) imagery) to create these zones This approach assumes that soil variability within a field can be easily identified Sampling points are geo-referenced so changes can be tracked over time 	<ul style="list-style-type: none"> For grid sampling, the field is divided into small areas or blocks of equal size and a sample location within each block is sampled to a georeferenced point Typical grid sizes range from 0.5-acre blocks to 5-acre blocks, with 2.5-acre blocks being a standard unit for analysis In general, the smaller the sampling unit, the greater the accuracy Results may then be used to determine the fertilizer application rate(s), or they may be entered into a mapping program that uses geo-statistics to draw fertilizer application boundaries
MOST APPROPRIATE	<ul style="list-style-type: none"> For smaller fields / blocks that have been uniformly cropped in the recent past and have little natural variation Used where a single fertilizer recommendation will be applied across a field 	<ul style="list-style-type: none"> Primary focus is on mobile nutrients because relative levels of a mobile nutrient are frequently related to fixed soil properties Relatively low rates of fertilizer have been applied in recent years There is no history of manure application History of the field is known and can be used to divide the field into smaller units 	<ul style="list-style-type: none"> Use when non-mobile nutrients are the primary concern (e.g. phosphorus) Soil test levels in the field range from very high to very low with substantial acres in both categories There is a history of manure use For use when small fields have been merged into large The field history is not known
PROS	<ul style="list-style-type: none"> Relatively inexpensive 	<ul style="list-style-type: none"> Lower sampling costs than grid sampling; a more accurate judgment / nutrient recommendation is made when multiple data layers are used in the analysis 	<ul style="list-style-type: none"> More intensive soil sampling often provides a different picture of a field than do conventional sampling procedures Ability to georeference samples and track nutrient change over time Ability to scale down to really identify infield variability For use with A&L's TerraSiteRx Data Analytics Platform www.TerraSiteRx.com
CONS	<ul style="list-style-type: none"> No info. about nutrient variability 	<ul style="list-style-type: none"> May still overlook nutrient variability within zones, zone creation dependent on clear differences in biomass or yield data 	<ul style="list-style-type: none"> Time and cost to sample is higher than other methods, but can provide significant return on investment (ROI) when applying prescription / variable rate inputs such as fertilizer





OTHER BENEFITS TO SITE SPECIFIC SAMPLING

- Farmers benefit through greater profits and improved efficiency of all inputs. Properly managing soil variability instead of ignoring it means more profit. Higher yields from the acres that were being under fertilized and optimizing costs from other acres translate into profit potential. The more variable the fields, the greater the profit potential will be. The starting point is with a comprehensive soil analysis that will provide the visibility of field variability
- A&L and University lead research has shown that for corn, 2.5-acre grids only require an increase in yield of 0.3 bushels per acre over four years to pay the cost of sampling, 1-acre grids require an increase in yield of 0.65 bushels per acre over four years, and 0.5-acre grids require an increase in yield of 0.60 bushels per acre over six years.

SOIL SAMPLING – OTHER POINTS OF INTEREST

- The accuracy of a soil test depends on how well it represents the area on which a fertilizer recommendation will be made
- Natural variation arises from soil-forming processes (such as mineral weathering and erosion) that lead to accumulations or losses of nutrients at different sites


Soil sampling is the key to properly managing your fertility input costs. Learn more: Watch the recorded Soil Sampling Webinar (Zoom) online at this link:

https://zoom.us/join/zoom/register/rec/WN_LyaDxN_TQZaATVkuJOWtcQ?meetingId=9ZNXkb_r8zUNJX43G6mjxdq8LE737aaa823cZ-voly0fySZjBVeX79B7GDMGSA500&playId=68Z8d-z7_T83HNDE4gSDA6B7W469KK-s1igf_vJezUeyUyFXNlbwbrJBN-Q3LdDqiW6N01ubjYrXe4ts&action=play&_x_zm_rtaid=NwV30


This webinar was originally presented by Deveron UAS in collaboration with A&L Canada Laboratories on March 26, 2020



A&L Canada Laboratories



SOIL SAMPLING FAQs



FAQs	SOIL	Nematodes in SOIL
<p>How do I take a sample?</p> <p>For more information please consult our Soil Sampling Guide on our website www.alcanada.com</p>	<ul style="list-style-type: none"> • Take 10 to 20 soil cores or shovel scoops from a depth of 0-6 inches and mix in a plastic bucket • Empty bucket into A&L provided soil bag and fill to sample line • Different depths are sometimes needed depending on the crop and nutrient to be analyzed • Label bag and submission sheet with desired sample name 	<ul style="list-style-type: none"> • For soil with nematodes, collect 10 to 20 cores from a depth of 0-6 inches in depth • Dump cores into a bucket & mix thoroughly • Place two cups of mixed soil in a soil sampling bag or plastic zippered bag and label with permanent marker • Label bag clearly with nematode analysis • Store in a cool, dark place until shipped to soil lab (nematodes soils must remain damp and cannot dry out)
<p>How much do I need?</p>	<ul style="list-style-type: none"> • Approximately 2 cups - If additional analysis is required such as texture or VitTellus Soil Health, please fill the bag 	
<p>How do I send a sample?</p>	<ul style="list-style-type: none"> • Please label all bags and containers with grower information and sample ID • Paperwork should be included with all samples • Submission paperwork can be found on www.alcanada.com • Samples can be dropped off Monday to Friday 8 am to 5 pm -- after hours, samples can be placed in the plastic shed located between buildings • Samples can also be shipped via courier to: 2136 Jetstream Rd, London, ON N5V 3P5 	
<p>Do I need to do anything special to the sample for shipping?</p>	<ul style="list-style-type: none"> • Soils can be left to air dry unless you are sampling for nematodes • Wet samples can be placed in Ziplock bags along with the submission sheets to preserve labels & paperwork 	<ul style="list-style-type: none"> • Nematode soils should be kept moist • Coolers and ice packs can be used to reduce evaporation during shipping
<p>How long will it take to get my results?</p>	<ul style="list-style-type: none"> • Soil samples are completed within 3 business days of the lab receives the samples 	
<p>How can I access my previous tests?</p>	<ul style="list-style-type: none"> • Results are emailed to email contacts on the account submitting the sample. • Previous results can be accessed through the Dataweb using your account number • Recommendations can also be changed on the Dataweb 	

www.ALCanada.com

To serve you better, please be advised that our textural analysis capacity has been expanded to meet customer demand and for improved efficiency



SAMPLING SERVICES FROM DEVERON



A&L's partner Deveron UAS is geared up to support you this spring with staff and agents established across Canada and the US mid-west. They are ready to work with you to collect soil samples and in-season tissue samples.

DEVERON SERVICES

SOIL COLLECTION:

- Service available across Canada and US mid-west
- Rapid turnaround times from collection to analysis
- Shipping provided from collection locations directly to A&L
- A&L Certified collection specialists

TISSUE SAMPLING:

- Service available across Southern Ontario
- 24-hour guarantee from collection to lab
- Shipments in temperature-controlled environments
- A&L Certified collection specialists

DRONE DATA COLLECTION:

- Service available across Canada
- Multispectral, Thermal, RGB capabilities
- 48-hour turnaround time from capture to data delivery



TO ORDER

1. Contact your local Ag Retailer
2. Visit A&L online at www.alcanada.com
3. Use the A&L Smart Submit App
4. Contact the A&L Canada Laboratories Office: call us toll free 1-855-837-8347, or email ALCanadaLabs@ALCanada.com



NEW TESTS AVAILABLE

A&L Canada Laboratories

SEED GERMINATION TESTING

FOR CONFIRMING QUALITY OF ON-FARM USE SEED

TAT
10 to 15 days

PRICE
\$57.75

SUBMISSION CODE
ATSEED

SEED GERMINATION TESTING

Crops Tested	Wheat	Barley	Beans	Soybeans	Faba Beans	Lentils	Peas	Canola
Germination Seed Package Includes	• Vigor	• Germination	• 1000 Seed Count					
Submission Form	https://www.alcanada.com/pdf/Submission/A%20&%20L%20Seed%20Submission%202017%20Fillable.pdf							

*Intended for clients with seed for own personal use, and not for resale purposes

Potato Seed Testing

A&L also offers a CFIA accredited potato seed analysis

To learn more, contact us at:
A&L Canada Laboratories Inc.
1-855-837-8347
alcanadalabs@alcanada.com
www.alcanada.com

A&L Canada Laboratories

MYCOTOXIN SCREENING

A QUICKER & MORE AFFORDABLE MYCOTOXIN ANALYSIS

MYCOTOXIN SCREENING

TAT
2 to 3 days

PRICE
\$75.00

SUBMISSION CODE
MYC07

SUBMISSION FORM
https://www.alcanada.com/pdf/Submission/A&L-F016_Feed_Submittal.pdf

Assays Provided	LOD SD* (ppb)	LOD ML* (ppb)	Compound	Specificity (%CR)
Aflatoxin B1	0.25	3.125	Aflatoxin B1	100
			Aflatoxin B2	30
			Aflatoxin G1	17
			Aflatoxin G2	4
Aflatoxin G1	0.5	6.25	Aflatoxin G1	100
			Aflatoxin G2	56
			Aflatoxin B1	9
Deoxynivalenol	100	1250	DON	100
			3-acetyl-DON	844
Fumonisin	10	125	Fumonisin B1	100
			Fumonisin B2	70
			Fumonisin B3	70
Ochratoxin A	0.25	3.125	Ochratoxin A	100
			Ochratoxin B	2
T2 toxin	5	62.5	T2 toxin	100
			HT2 toxin	37
			T2 triol	3
Zearalenone	2.5	31.25	Zearalenone	100
			α-Zearalenol	112
			β-Zearalenol	64
			Zearalenone	59
			α-Zearalanol	45
			β-Zearalanol	47

*SD = Sensitive Detection Method *ML = Monitory Level Method

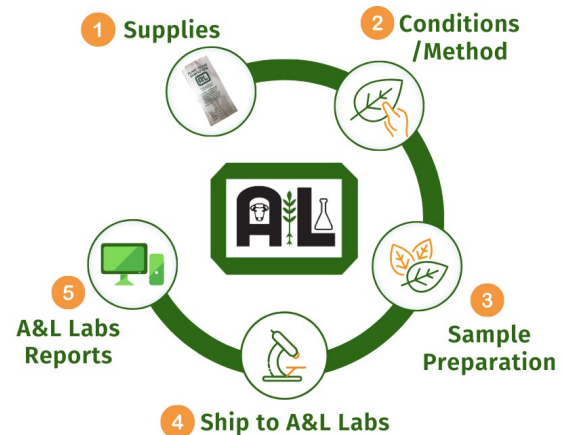
To learn more, contact us at:
A&L Canada Laboratories Inc.
1-855-837-8347 • alcanadalabs@alcanada.com
www.alcanada.com

TISSUE SAMPLING and HOW TO USE THE PMP PLATFORM

TISSUE TESTING SAMPLING PROCESS

1. SUPPLIES

- Submission sheets
- A sharpie marker for labeling bags and submission sheets
- An A&L sample collection bag or a brown paper lunch bag (no plastic bags)
- Flags or a GPS if the sample site is to be retested following application(s)





2. CONDITIONS

- Ensure with grower that the field is safe to enter
- With clean hands & a sample bag - walk into the field a few hundred metres
- Flag or GPS locate the sampling area as to be able to return later
- Record growth stage of crop on submission form
- Begin collecting leaf samples from a representative area NOTE: Morning is best to prevent heat stress. Be sure to take samples at the same time of day and weather if trying to compare results before and after application(s)
- Collect leaves or petioles from 15 to 30 plants depending on the crop (approximately a softball size of loosely packed leaves is necessary for analysis)
- AVOID irregularities such as high or low areas of the field - OR, take separate samples from these areas
- Collect the most recently mature leaves or the whole plant without the roots if in early growth stages. Ensure different application/seeding areas are sampled separately
- If a poor area of a field is being investigated for deficiencies remember to take a sample from a good area as well to compare results with the poor area

3. SAMPLING PREPARATION

- If samples have fertilizer, spray, or dust residue on them, they should be washed or wiped off as this will cause a potential bias in the lab results
- Allow samples to air dry samples in a clean area free from contamination
- Complete plant tissue submission sheets listing each individual sample
- Place samples (that are in sample bags) and sheets in boxes and send to A&L Canada Laboratories, Inc.

4. SHIP TO A&L LABS

- Send samples & information sheets via courier to: A&L Laboratories, 2136 Jetstream Road, London, ON N5V 3P5
- Samples can also be dropped off at the A&L Canada laboratories office at the same address
- It is important that samples are sent to the lab quickly to ensure the leaves do not begin to decompose

5. A&L REPORT

- Plant tissue analysis results turnaround time (TAT) are next day from the lab receiving the samples
- Once your results are finished you will be emailed or faxed a copy of your analysis or you can also log on to the A&L DataWeb to view your report online



Report Number:
Account Number:

Date Received: **Date Reported:**

To:

Attn:

A & L Canada Laboratories Inc

2136 Jetstream Road, London, Ontario, N5V 3P5
Telephone: (519) 457-2575 Fax: (519) 457-2664

Date Printed:

Sample ID:

Plant Type: Canola
Growth Stage: pre-flower to 50% flower
Plant Part: Most recently matured leaf 5th from the top

Date Sampled	Lab Number	Nitrogen (%)	Nitrate Nitrogen (%)	Sulfur (%)	Phosphorus (%)	Potassium (%)	Magnesium (%)	Calcium (%)	Sodium (%)	Boron (ppm)	Zinc (ppm)	Manganese (ppm)	Iron (ppm)	Copper (ppm)	Aluminum (ppm)	Chloride (%)
2019-08-04	2190138	4.66		1.68	0.35	1.94	0.98	3.90	0.05	60.34	34	98	193	6.94	66	
Normal Range		3.99 6.00		0.59 0.90	0.27 0.60	2.79 5.10	0.24 0.82	1.39 3.00	0.11 0.20	29 60	24 70	29 250	49 250	4 25	300	

	N/S	N/K	P/S	P/Zn	K/Mg	K/Mn	Fe/Mn	Ca/B
Actual Ratio	2.8	2.4	0.2	103	2.0	197	2.0	646
Expected Ratio	6.7	1.3	0.5	93	7.4	282	1.1	489

Nutrient Sufficiency Ratings

- These plants are deficient in POTASSIUM. Possible causes include low soil potassium levels, poor soil drainage, droughty soil conditions or compaction.
- The very high level of SULFUR in this sample may be from contamination with a spray or dust.
- A&L recommends an application when Mg, B, P, Zn or Mn are low or deficient at this plant stage. Follow the recommended product label rates.
- A&L Recommends a followup tissue sample 14 days after foliar treatment to monitor progress.

Results Authorized By: Ian McLachlin, Vice President Page 1 / 1

The results of this report relate to the sample submitted and analyzed

A&L Canada Laboratories Inc. is accredited by the Standards Council of Canada for specific tests as listed on www.scc.ca and by the Canadian Association for Laboratory Accreditation as listed on www.cala.ca

Additional information available upon request

This Certificate of Analysis has been prepared for use by the Recipient only. Provision of this Certificate of Analysis does not carry with it the right to reproduction or publication in whole or in part and may not be used to represent other than the Recipient without the prior written consent and approval of A&L Canada Laboratories Inc. ("A&L Canada"). Upon receipt of this Certificate of Analysis by the Recipient from A&L Canada, A&L Canada shall not be responsible for, and no claim shall be advanced against, A&L Canada as a result of the dissemination or publication of this Certificate of Analysis.

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A&L Canada Laboratories Inc.
UNDERSTANDING YOUR PLANT ANALYSIS REPORT

Plant Tissue Tests can help identify if an essential nutrient in the plant is within the expected normal sufficiency range for that particular stage of growth during the season. This offers the opportunity to address the deficient nutrients during the growing season, or elect to adjust next seasons fertility program

Date Sampled	Lab Number	Nitrogen (%)	Nitrate Nitrogen (%)	Sulfur (%)	Phosphorus (%)	Potassium (%)	Magnesium (%)	Calcium (%)	Sodium (%)	Boron (ppm)	Zinc (ppm)	Manganese (ppm)	Iron (ppm)	Copper (ppm)	Aluminum (ppm)	Chloride (%)
2019-07-05	188167	6.23		1.21	0.40	2.95	0.66	2.16	0.30	35	26	67	95	7	21	
Normal Range		3.99 6.00		0.59 0.90	0.27 0.60	2.79 5.10	0.24 0.82	1.39 3.00	0.03	29 60	24 70	29 250	49 250	4 25	300	

	N/S	N/K	P/S	P/Zn	K/Mg	K/Mn	Fe/Mn	Ca/B
Actual Ratio	5.1	2.1	0.3	153	4.5	440	1.4	620
Expected Ratio	6.7	1.3	0.5	93	7.4	282	1.1	489

Actual Nutrient Analysis

- This is the actual nutrient content measured in the plant at the time the sample was taken
- Note that the major (macro and secondary) are reported in % due to higher concentration in the plant. The micronutrients are lower in concentration, so reported in ppm

Normal Range

- Based on research, nutrients should be in a particular range at certain growth stage
- Plant growth stages must be identified on the submittal form for the report to compare with our expected ranges for the stage of growth
- If the actual nutrient analysis falls within the normal range the plant is progressing nicely. If the actual nutrient analysis falls outside the normal range, there may be environmental conditions, hidden deficiencies or excesses, which will impact both yield and quality

N:S Ratio

- The main goal of plant analysis and nutrient ratio balancing is to be as close to the expected ratio as possible at the particular plant growth stage
- When reviewing ratios, it's important to first understand the crops nutrient requirements to grow high yields and better product qualities
- The N:S ratio tells us the balance between these two nutrients. If out of line, too much of one nutrient to the other could lead to reduced yields and further problems

N:K Ratio

- The importance of the N and K relationship is well documented and researched and correlates to both improved yield and quality
- Based on plant nutrient requirements, we need almost as much available K to grow a bushel as we do N
- Having this balance in the plant is tremendous. Full season plant tissue monitoring (A&L PMP report) allows early deficiency detection, and any nutrient balance issues can be corrected as needed

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A&L PLANT MONITORING PROGRAM (PMP)

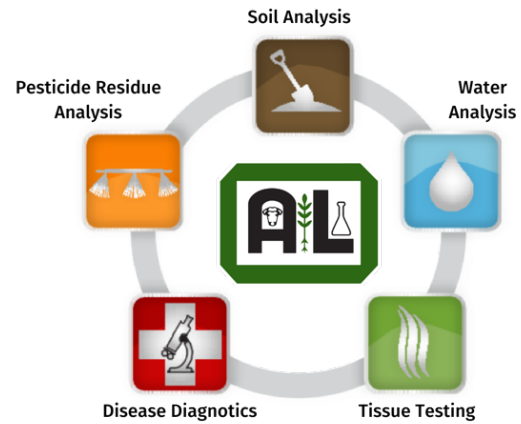
To optimize productivity of your next crop, plan now to make plant tissue analysis part of your fertility monitoring procedure and enhance your nutrient program. This tissue monitoring data combined with your soil test or media test data will ensure you set your crop up for success.

A&L PMP Program:

[https://www.alcanada.com/content/references/pdf-content?pid=Plant%20Monitoring%20Program\(PMP\)](https://www.alcanada.com/content/references/pdf-content?pid=Plant%20Monitoring%20Program(PMP))

Contact your input supplier or A&L Canada Laboratories to learn more about our Plant Tissue analysis and plan for success this year.

YIELD IMPROVEMENT PROCESS



COMPOST CORNER SOLUBLE SALTS (EC) AND SODIUM (NA) FOR COMPOST

By Kelly O'Connor, CCA, Customer Service Agronomist, A&L Canada Laboratories

Soluble salt or electrical conductivity is a measurement of the total salt content in a material. This is a measure of “good” salts like potassium, calcium, nitrate and ammonia as well as “bad” salts like sodium and chloride.

Total EC can be high due to “good” salts like potassium or calcium, which, if diluted can be a good source of both nutrients. Electrical conductivity due to sodium or chloride can be more challenging to dilute since it is not required in significant amounts. Below is a table of uses for material based on the soluble salt (EC) level found on page 7 of our Compost Guide. It is important to check both EC **and** sodium on your Soil Suitability Report.

Table 1. Uses for materials based on electrical conductivity (soluble salts) ratings and blending recommendations.

Rating	EC ms/cm	Uses for Material
Very Low	< 0.75	May be used in a planting media directly, will require some nutrient addition for plant growth
Acceptable	0.75-2.0	May be used directly as a media for small plants and seeding
Medium	2.0-3.5	May be used for transplant. Tender plants may need to be diluted with 25 to 50% soil
Medium High	3.5-5	Good for topdressing on established plants or blending as a soil amendment 2-1 to 5-1 soil to compost
High	10-May	Used as a soil amendment blended 4-1 up to 10-1 soil to compost
Very High	> 10	Only use for low application rate to areas with more salt tolerant planting



Injury from salts (both good and bad) may first occur as mild chlorosis and progress to necrosis of leaf tip and margins. You may recognize this as “leaf burn”. Root injury is more difficult to see but results in poor uptake of nutrients and water uptake. Plants are wilted and have poor growth. This can predispose plants to a wide range of root diseases like Pythium and Fusarium.

Our Soil Suitability Compost Report shows the available nutrients, Soluble Salts and Sodium giving you a better opportunity to blend your material to within safe levels for growth. Compost is best applied in the fall to reduce the potential for plant injury and increase the available nutrients.

Reported Date: 2017-06-13
Printed Date: Jun 20, 2017

COMPOST REPORT

Page: 1 / 1

Sample Number	Lab Number	pH	Lime Index	Available Organic Matter %	Phosphorus P ppm	Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm
1835		6.9	7.0	23.0	408	1943	521	6210

Sulfur S ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Sodium Na ppm	Nitrate-N NO3-N ppm	Soluble Salt ms/cm	Nitrogen (Total) (%)	Moisture %
319	23.3	24	211	4.8	4.8	236	55	2.2	1.66	

INTERPRETATION

CEC meq/100g	% BS	Percent Base Saturation				Proportional Equivalents (meq)				Cation Ratio		C/N Ratio
		% K	% Mg	% Ca	% Na	K	Mg	Ca	Na	Mg/K	Ca/Mg	
41.3	100.0	12.05	10.36	75.10	2.48	4.98	4.28	31.05	1.03	1:1	7:1	
Optimum Range:		3 - 5	8 - 20	60 - 80		0.5 - 1.3					7:1	5:1

CONGRATULATIONS!

A&L Labs has new Certified Crop Advisors and 4R certification!

Congratulations to:

- Kelly O'Connor (4R)
- Saveetha Kandasamy
- Richard (RJ) Robbins

Proud to have them as part of our team, and now officially registered CCAs!




NEW CCAs

Congratulations!

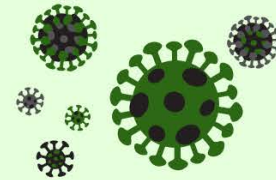
CCCA

KELLY, RICHARD & SAVEETHA





COVID-19 Update



A&L Canada Laboratories COVID-19

March 20, 2020

To our valued clients:

I am reaching out to share with you how A&L Canada Laboratories is managing through the current COVID-19 public health situation. For our company, there is no higher priority than the safety of our customers, employees and communities which we serve. The novel coronavirus has impacted all of us in some way and we continue to monitor the situation very closely.

I want to assure you that A&L Canada Laboratories will continue with our daily operations in all departments. Due to the severity of this health emergency we have implemented a range of precautions at our facility to ensure the safety of our valued customers, employees and their families. Through guidance from the respective authorities we have equipped our laboratory and offices with additional cleaning supplies, disinfectant wipes, and sanitizers. All our employees have been advised to follow a safety protocol of regular handwashing, ongoing cleaning of surfaces, and avoiding physical contact. In the event a staff member feels unwell, we are asking such employees to stay home and seek appropriate medical attention according to the Ontario Ministry of Health guidelines.

For clients bringing samples to the lab, we encourage using the drop box or delivering to the front foyer of the office. Shipping by courier remains a very good means of delivering samples and minimizing physical proximity with others.

Our field representatives have also been asked to refrain from visiting your facilities but remain fully available by phone to service your requests and needs should you have any. A&L is fully dedicated to follow and implement all required public health protocols as they arise. All of us at A&L appreciate your business and are doing our best in this time of crisis to meet your needs as always. Please feel free to contact us at 1-855-837-8347, email at alcanadalabs@alcanada.com, or any of our field representatives if you have any concerns or requirements.

Sincerely,

Greg Patterson
CEO and Founder
A&L Canada Laboratories Inc.

A&L Canada Laboratories Inc. • ALCanada.com • alcanadalabs@alcanada.com



UPCOMING EVENTS AND CONFERENCES – ON HOLD

A&L Canada appreciates the opportunity to speak with stakeholders in the industry about the crop production challenges they face and how A&L can help

Please reach out if you have a question!!

A&L CANADA LABORATORIES CONTACT INFORMATION

2136 Jetstream Road,
London, ON N5V 3P5

Tel: (519)457-2575 • Toll Free: 1-(855)-837-8347

Fax: (519)457-2664

Email: alcanadalabs@alcanada.com

A&L Labs Main Website: www.ALCanada.com



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Instagram @ALCanadaLabs <https://www.instagram.com/alcanadalabs>

Facebook <https://www.facebook.com/alcanadalabs/>

LinkedIn <https://www.linkedin.com/company/a-l-canada-laboratories>

YouTube <https://www.youtube.com/user/ALcanadalabs>

