Hitek

Better Data. Better Decisions. Better Growing.

Agricultural Testing Packages & Services

One of Western Canada's Largest Agritech Laboratories

Comprehensive analytical testing designed to give you a clearer understanding of your soil, crops, water, feed and agricultural inputs.

www.hitekanalytics.ca

Hitek

Testing categories

- SOIL TESTING
- WATER TESTING
- FEED TESTING
- TISSUE & SAP TESTING
- MANURE TESTING
- COMPOST TESTING
- FERTILIZER TESTING
- HUMIC SUBSTANCES TESTING
- GYPSUM TESTING
- AGRICULTURAL LIME TESTING

Why choose us

Quick turnaround | Price match guarantee | ISO/IEC 17025 accredited lab | Detailed diagnostics available upon request | Volume discounts available Customer information & data kept private and confidential | Technical support on result analysis

SHIP SAMPLES TO: 9068 51 Ave NW
Edmonton, Alberta T6E 5X4

CALL: 587.882.FARM (3276)

Soil Testing

Comprehensive soil analysis to assess fertility, biological activity, and physical structure -the foundation for informed fertilizer and management decisions.

Package / Service	Price	Tests Included / Service	Positioning / Purpose
Basic Package	$39.99	OM, N, P, K, S, pH, EC	Provides a practical assessment of essential soil nutrients and fertility conditions to identify deficiencies, optimize fertilizer applications, and support healthy crop growth.
Basic Plus Package	$44.99	OM, Soil pH; buffer pH, EC; CEC; Base Saturation; Exchangeable Ca, Mg, K, Na,K:Mg, SAR; NO3-N; Al, P; S;	Overall fertility, salinity, nutrient balance, and chemical constraints.
Complete Soil Testing pkg	$59.99	OM, Soil pH; buffer pH, EC; CEC; Base Saturation; Exchangeable Ca, Mg, K, Na,K:Mg, SAR; NO3-N; NH4-N, Al, P; S;Zn, Mn, Fe, Cu, B, Mo	Comprehensive fertility assessment including macro- and micronutrients for detailed nutrient management and troubleshooting.

Package / Service	Price	Tests Included / Service	Positioning / Purpose
Complete Plus pkg	$69.99	OM, Soil pH; buffer pH, EC; CEC; Base Saturation; Exchangeable Ca, Mg, K, Na,K:Mg, SAR; NO3-N; NH4-N, Al, P; S;Zn, Mn, Fe, Cu, B, Mo, Cl	Expanded comprehensive soil chemistry assessment with chloride for broader nutrient, salinity, and fertility evaluation.
Physical Soil Package	$95.00	Soil Texture; Bulk Density; Water-Holding Capacity; Moisture, VAST (aggregate stability)	Evaluates soil structure, compaction, drainage, texture, and water-storage capacity.
Biological Soil Package I	$79.00	Microbial Respiration; Microbial Biomass; MBC/MBN; Fungi:Bacteria Ratio;	Evaluates microbial activity, biomass, and the fungal-to-bacterial balance as indicators of biological soil function.
Biological Soil Package II	$119.00	Microbial Respiration; Microbial Biomass; MBC/MBN; Fungi:Bacteria Ratio; TN, TC, C:N, WEON, WEOC, NO3-N, NH4-N	Combines microbial measurements with carbon and nitrogen pools to assess biological activity and nutrient-cycling potential.
Biological Soil Package III	$139.00	Microbial Respiration; Microbial Biomass; MBC/MBN; Fungi:Bacteria Ratio; Reactive/Oxidized Carbon; Total Protein Index (TPI), HA, FA	Assesses biological activity, microbial communities, active carbon, and nutrient-cycling potential.

Package / Service	Price	Tests Included / Service	Positioning / Purpose
Nitrogen Package	$49.00	NO3-N; NH4-N; Total N; C:N Ratio; Microbial Respiration	Evaluates available nitrogen, nitrogen reserves, and indicators of nitrogen cycling/ mineralization.
Phosphorus Package	$39.00	Available P (Bray-1, Olsen, or Kelowna as appropriate); pH; Ca; Fe; Al	Assesses phosphorus availability and the soil factors that can influence P fixation and availability.
Potassium Package	$39.00	Exchangeable K; Total K (if required); CEC; K Base Saturation; Ca; Mg; K:Mg Relationship	Evaluates potassium availability, retention, and competition with other exchangeable cations.
Sulfur Package	$35.00	Sulfate-S; Total S (if required); pH; EC; Ca; Mg	Assesses plant-available sulfur and soil conditions that influence sulfur fertility.
Micronutrient Package	$45.00	Fe; Mn; Zn; Cu; B; Mo; pH; OM	Identifies micronutrient deficiencies or imbalances and evaluates soil conditions affecting micronutrient availability.
Salinity & Sodicity Package	$49.00	pH; EC; Na; Ca; Mg; SAR; Na Base Saturation; Cl; Sulfate-S	Identifies salinity and sodicity concerns that can affect soil structure, water infiltration, nutrient uptake, and crop performance.

Package / Service	Price	Tests Included / Service	Positioning / Purpose
Soil Carbon & Regenerative Health Package	$55.00	OM; Total C; Organic C; Reactive/Oxidized Carbon; C:N; Microbial Respiration	Tracks soil carbon pools and biological activity for soil-health and regenerative-management monitoring.
SoilChek™ – Soil Fertility Package	$120.00	OM, Soil pH; buffer pH, EC; CEC; Base Saturation; Exchangeable Ca, Mg, K, Na,K:Mg, SAR; NO3-N; NH4-N, Al, P; S;Zn, Mn, Fe, Cu, B, Mo, Cl, Microbial Respiration; Microbial Biomass; Fungi:Bacteria; Soil Texture; Bulk Density; Water-Holding Capacity	Existing Hitek fertility package providing a broad assessment of soil fertility, major nutrients, micronutrients, and general soil chemical conditions.
SoilChek Plus™ – Soil Health Package	$175.00	OM, Soil pH; buffer pH, EC; CEC; Base Saturation; Exchangeable Ca, Mg, K, Na,K:Mg, SAR; NO3-N; NH4-N, Al, P; S;Zn, Mn, Fe, Cu, B, Mo, Cl, Microbial Respiration; Microbial Biomass; Fungi:Bacteria; Reactive/ Oxidized Carbon; Total Protein Index (TPI); Soil Texture; Bulk Density; Water-Holding Capacity; VAST (aggregate stability); Total Ca; Total Na; Total Mg; Total K;	Existing Hitek soil-health package combining Haney indicators with biological activity, active carbon, protein, and aggregate stability.
Haney Soil Health Test	$95.00	Soil Respiration; WEOC; WEON; WEOC:WEON Ratio; Haney Soil Health Score; pH; EC; H3A NO3-N; H3A NH4-N; P; K; Ca; Mg; S; Na; Fe; Mn; Zn; Cu; B	Evaluates biologically available carbon and nitrogen, microbial respiration, nutrient availability, and overall soil-health status using the Haney approach.

Water Testing

Water quality analysis for irrigation, livestock, greenhouse, and fertigation systems to safeguard crop and animal health.

Package	Price	Tests Included	Best Use
Irrigation Water Basic	$45	pH; EC; Alkalinity (HCO_3^-/CO_3^{2-}); Ca; Mg; Na; SAR	Routine irrigation-water screening for salinity, alkalinity and sodium hazard.
Irrigation Water Complete	$75	pH; EC; Alkalinity (HCO_3^-/CO_3^{2-}); Hardness; Ca; Mg; Na; K; SAR; Cl; SO_4-S; NO_3-N; P; B; Fe; Mn; Zn; Cu	Comprehensive irrigation suitability and nutrient/ion assessment.
Livestock Water	$50	pH; EC; Alkalinity; Hardness; Ca; Mg; Na; K; Cl; SO_4; NO_3-N; Fe; Mn	General livestock drinking-water quality assessment.
Greenhouse / Hydroponic Source Water	$75	pH; EC; Alkalinity; Hardness; Ca; Mg; Na; K; P; S; Cl; NO_3-N; NH_4-N; Fe; Mn; Zn; Cu; B; Mo	Source-water assessment for greenhouse, hydroponic and fertigation programs.
Fertigation / Nutrient Solution	$65	pH; EC; NO_3-N; NH_4-N; P; K; Ca; Mg; S; Na; Cl; Fe; Mn; Zn; Cu; B; Mo	Monitoring prepared nutrient solutions and fertigation water.
Salinity & SAR	$55	pH; EC; Ca; Mg; Na; SAR; Alkalinity; Cl; SO_4	Focused evaluation of salinity, sodicity and infiltration risk.
General Water Quality	$125	pH; EC; Alkalinity; Hardness; Ca; Mg; Na; K; Cl; SO_4; NO_3-N; NH_4-N; P; Fe; Mn; Zn; Cu; B, Heavy metals	Broad chemical characterization when a specific end-use package is not required.
ADD ON			
Pathogens	$90		

Feed Testing

Nutritional analysis of forages and total mixed rations to support ration balancing and livestock performance.

Package/ Service	Price	Tests Included / Service
Basic Feed Analysis	$65	Moisture; Dry Matter; Crude Protein; ADF; NDF;
Forage Plus	$80	Basic Feed Analysis + Ash; TDN; RFV; DMI, DE; ME; NEm; NEg
Forage Complete	$125	Forage Plus + ADL; Crude Fat; Sugars; NFC; Ca; P; Mg; K; Na; S; Fe; Mn; Zn; Cu
Beef Complete	$140	Forage Complete + Nitrate-N; Mo; B;
Dairy & TMR Complete	$165	Moisture/DM; CP; Soluble CP; ADF-CP; NDF-CP; ADF; NDF; ADL; Crude Fat; Ash; Starch; Sugars; NFC; macro and trace minerals; TDN; DE; ME; NEL

ADD ON

Nitrate-N	$20	ADF-CP / NDF-CP	$25
Full mineral profile	$40	Soluble protein	$40
Starch	$20	ADL	$20
Sugars	$20	Molybdenum	$20

Tissue & SAP Testing

Plant tissue and sap analysis for in-season nutrient monitoring and rapid diagnostics.

Package/ Service	Price	Tests Included / Service
Tissue Basic	$49	N, P, K, Ca, Mg, S
Tissue Complete	$69	Basic + Fe, Mn, Zn, Cu, B, Mo, Na
Tissue Complete Plus	$75	Complete + Al, Si, Ni
TissueChek IQ	$99	Complete Plus + Diagnostics
SAP Basic	$55	pH, EC, NO3-N, NH4-N, K, Ca, Mg
SAP Complete	$85	SAP Basic + P, S, Fe, Mn, Zn, Cu, B, Na
SAP Complete Plus	$99	SAP Complete + Mo, Si, Cl
SAPChek IQ (Pair)	$130	2 Tissue Complete + Diagnostics

Manure Testing

Nutrient analysis of manure to guide land-application rates & nutrient-management planning.

Package/ Service	Price	Tests Included / Service
Manure Basic	$79	Moisture/DM; OM, Total N; NH4-N; P; K
Manure Complete	$145	Basic + Ca; Mg; S; Na; Cu; Zn; Mn; Fe; B; pH; EC;NO3-N;C;C:N

Compost Testing

Compost quality and nutrient analysis to support consistent, safe land application.

Package/ Service	Price	Tests Included / Service
Compost Basic	$79	Moisture/DM; pH; EC; OM; Total N; C:N
Compost Complete	$99	Basic + NH4-N; NO3-N; P; K; Ca; Mg; S; Na; Fe; Mn; Zn; Cu; B

Fertilizer Testing

Verification and quality-control analysis of fertilizer products.

Package/ Service	Price	Tests Included / Service
NPK Verification	$75	Total N; P2O5; K2O
Fertilizer Complete	$150	N; P2O5; K2O; S; Ca; Mg; Fe; Mn; Zn; Cu; B; Na; pH

Humic Substances Testing

Quality analysis of humic and fulvic acid products.

Package/ Service	Price	Tests Included / Service
Humic Basic	$85	pH; moisture/solids; humic acid
Fertilizer Complete	$125	Humic acid; fulvic acid; moisture/ solids; pH; ash/OM
Humic Product QC	$175	Complete + C/TOC + selected nutrients/metals

Gypsum Testing

Quality analysis of gypsum products for soil amendment programs.

Package/ Service	Price	Tests Included / Service
Gypsum Basic	$65	Ca; S; moisture
Gypsum Complete QC	$149	All tests

Agricultural Lime Testing

Quality analysis of agricultural lime to verify neutralizing value and effectiveness.

Package/ Service	Price	Tests Included / Service
Lime Basic	$65	Ca; Mg; neutralizing value / CCE
Lime Quality	$95	Ca; Mg; CCE + moisture + particle-size/fineness
Lime Complete	$149	Lime Quality + CaO/MgO equivalents + effective neutralizing value/index

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Thank you for trusting Hitek Analytics with your agronomic testing needs.

Our team is ready to help you choose the right package for your operation, whether you need a single test or a season-long monitoring program. Reach out any time - we're happy to talk through your results or recommend the best next step.

SHIP SAMPLES TO:
9068 51 Ave NW, Edmonton, Alberta, T6E 5X4

CALL:
587.882.3276 for shipping labels and other resources

Your sample data is kept private and confidential.

Pricing reflects standard rates and is subject to change without notice. Turnaround times may vary by season and sample volume. Volume, seasonal, and custom program pricing is available upon request - please contact us to confirm current pricing before submitting samples.

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