

I K Caldwell Technical Services - Analysis List



Soil Nutrition

INCITEC	Code	Description
Complete Soil Test (H)	2010-062	pH(w), pH(CaCl ₂), EC, Nitrate N, Ammonium N, Chloride, OC%, KCL-Sulfate S, Colwell P, Exch cations (Ca,Mg,K,Na,Al), CEC, Zn, Mn, Cu, Fe, B, PBI
Complete Soil Test (BA)	2006-045	pH(w), pH(CaCl ₂), EC, Nitrate N, Chloride, OC%, MCP-Sulfate S, Colwell P, Exch cations (Ca,Mg,K,Na,Al), CEC, Zn, Mn, Cu, Fe
Complete Soil Test (BA) + PBI	2006-044	pH(w), pH(CaCl ₂), EC, Nitrate N, Chloride, OC%, MCP-Sulfate S, Colwell P, Exch cations (Ca,Mg,K,Na,Al), CEC, Zn, Mn, Cu, Fe, PBI
Complete Soil Test (BA) + PBI + Colour + Texture	2006-042	pH(w), pH(CaCl ₂), EC, Nitrate N, Chloride, OC%, MCP-Sulfate S, Colwell P, Exch cations (Ca,Mg,K,Na,Al), CEC, Zn, Mn, Cu, Fe, PBI, Colour, Texture
Sub Surface Soil Test - Basic	2018-003	pH(w), pH(CaCl ₂), EC, Exch cations (Ca,Mg,K,Na,Al), CEC
Sub Surface Soil Test - Complete	2006-047	pH(w), pH(CaCl ₂), EC, Nitrate N, Chloride, MCP-Sulfate S, Colwell P, Exch cations (Ca,Mg,K,Na,Al), CEC, Zn, Mn, Cu, Fe
Deep N Soil Test	2006-046	Nitrate N, Ammonium N
Deep N Soil Test + S	2010-063	Nitrate N, Ammonium N, Sulphur (MCP)

AGVITA	Code	Description
Express Soil Test - Basic	ES21	P, K, Ca, Mg, Na, S, B, Cu, Zn, Mn, Fe, Cl
Express Soil Test - Complete	ES22	P, K, Ca, Mg, Na, S, B, Cu, Zn, Mn, Fe, Cl, pH, TC, TN, C/N, EC, ESI, Cl, CECE, M3-PSR, lime requirement, OM calculation
Express Soil Test - Basic + N-Check	ES24	P, K, Ca, Mg, Na, S, B, Cu, Zn, Mn, Fe, Cl, NO ₃ , NH ₄
Express Soil Test - Complete + N-Check	ES25	P, K, Ca, Mg, Na, S, B, Cu, Zn, Mn, Fe, Cl, pH, TC, TN, C/N, EC, ESI, Cl, CECE, M3-PSR, lime requirement, OM calculation, NO ₃ , NH ₄
N-Check Soil Test	NC88	NO ₃ , NH ₄
N-Check Soil Test PLUS	NC86	NO ₃ , NH ₄ , P, K

I K Caldwell Technical Services - Analysis List



Soil Microbal

AGVITA	Code	Description
Microbe Wise	MWSE	Biomasses of 10 key groups of soil microbes and practical management indicators
Microbe Activity Wise	MAWS	Activity rate of all soil microbes. Ideal in combination with Microbe wise for a complete overview of soil microbial health and activity
VAM Wise	VWSA	Mycorrhizal colonisation of plant roots
Glomalin Wise	GWSE	Concentration of soil glomalin

Leaf Nutrition

PHOSYN	Code	Description
Leaf Tissue Analysis Phosyn 2	P2	N, S, P, K, Ca, Mg, Cu, Zn, Mn, Fe, B, Na, Mo
Leaf Tissue Analysis Phosyn 3	P3	N, S, P, K, Ca, Mg, Cu, Zn, Mn, Fe, B, Na, Mo, Cl, NO3
Fruitlet Fruit Analysis Phosyn 7	P7	N, S, P, K, Ca, Mg, Cu, Zn, Mn, B

AGVITA	Code	Description
NU-Test Sap Analysis - 15 elements	NU7	NO3, NH4, P, K, Ca, Mg, Na, S, B, Cu, Zn, Mn, Fe, Mo, Cl
NU-Test Sap Analysis - 7 elements	NU2	NO3, P, K, Ca, Mg, Zn, B
NU-Test Sap Analysis - 3 elements	NU1	NO3, P, K

I K Caldwell Technical Services - Analysis List



Fertiliser Analysis

Please note: Grower to provide sample

INCITEC	Code	Description
Fertiliser Compost / Manure (dry matter only)	MC1	Moisture, Dry Matter, pH(w), pH(CaCl2), EC, NH4, NO3, Cl, B, Ca, Cu, Fe, Mg, Mn, Mo, P, K, Na, S, Zn, C:N ratio

Water Analysis

Please note: Grower to provide sample

AGVITA	Code	Description
AquaSure Irrigation Water Test	AQ16	NO3, NH4, P, K, Ca, Mg, Na, S, B, Cu, Zn, Mn, Fe, Mo, Cl, Al, Si, pH, EC, TDS, TDI, SAR, RSC, HCO ³ , CO3
AquaSure Spray Water Test	AQ19	NO3, Ca, Na, SO4, Cu, Zn, Mn, Fe, Cl, pH, EC, TDS, hardness

I K Caldwell Technical Services - Analysis List



Quality Assurance Testing

Please note: Grower to provide sample

AGRI FOOD TECHNOLOGY	Code	Description
Chemical Residue Analysis (MRL) - AT3	AT3	2-phenylphenol, Abamectin, Acephate, Aldrin, Azinphos methyl, Benalaxyl, BHC alpha, BHC beta, BHC delta, BHC gamma (Lindane), BHC Total, Bifenazate, Bifenthrin, Bioresmethrin, Bitertanol, Buprofezin, Captan, Carbaryl, Chlordane, Chlorfenapyr, Chlorfenvinphos, Chlorothalonil, Chlorpyrifos, Chlorpyrifos methyl, Chlorthal dimethyl, Clofentezine, Cyfluthrin, Cyfluthrin beta, Cyhalothrin, Cyhalothrin lambda, Cypermethrin, Cypermethrin alpha, Cyproconazole, Cyprodinil, DDD p,p, DDE p,p, DDT p,p, DDT Total, Deltamethrin, Diazinon, Dichlorvos, Dicloran, Dicofof, Dieldrin, Difenoconazole, Dimethoate, Dimethoate (Total), Dimethomorph, Diphenylamine, Disulfoton, Endosulphan alpha, Endosulphan beta, Endosulphan sulphate, Endosulphan Total, Endrin Total, Esfenvalerate, Ethopropfos, Etoxazole, Fenamiphos, Fenarimol, Fenitrothion, Fenoxycarb, Fenthion, Fenvalerate, Fipronil, Fludioxonil, Flusilazole, Fluvalinate, Fluvalinate tau, HCB, Heptachlor, Heptachlor epoxide, Hexaconazole, Hexythiazox, Imazalil, Indoxacarb, Iprodione, Kresoxim methyl, Linuron, Malathion, Metalaxyl, Methamidophos, Methidathion, Metribuzin, Mevinphos, Monocrotophos, Myclobutanil, Omethoate, Oxyfluorfen, Paclobutrazol, Parathion ethyl, Parathion methyl, Penconazole, Pendimethalin, Penthiopyrad, Permethrin, Phenothrin, Phorate, Phosmet, Piperonyl butoxide, Pirimicarb, Pirimiphos methyl, Prochloraz, Procymidone, Profenofos, Propargite, Propiconazole, Prothiofos, Pyrethrins, Pyrimethanil, Pyriproxifen, Quintozene, Sulfoxaflor, Tebuconazole, Tebufenpyrad, Terbufos, Tetradifon, Tolclophos methyl, Triadimefon, Triadimenol, Trichlorfon, Vinclizolin
Chemical Residue Analysis (MRL) - AT4	AT4	Dithiocarbamates
Chemical Residue Analysis (MRL) - AT5	AT5	Azoxytobin, Boscalid, Carbendazim / Benomyl, Chlorantraniliprole, Dithianon, Diuron, Fenhexamid, Fenpyroximate, Flubendiamide, Imidacloprid, Methomyl, Methomyl Oxime, Prosulfocarb, Pymetrozine, Pyraclostrobin, Pyrasulfatole, Spinetoram, Spinosad, Spirotetramat, Tebufenozide, Thiabendazole, Thiacloprid, Thiamethoxam, Trifloxystrobin
Chemical Residue Analysis (MRL) - AT6	AT6	AT3 + AT4 + AT5
Chemical Residue Analysis (MRL) - AT7	AT7	AT3 + AT5
Heavy Metals - AM1	AM1	Cadmium
Heavy Metals - AM2	AM2	Cadmium, Lead, Mercury
Heavy Metals - AM3	AM3	Arsenic
Heavy Metals - AM4	AM4	Lead
Microbal - MB1	MB1	E.coli
Microbal - MB2	MB2	E.coli, Listeria sp
Microbal - MB3	MB3	E.coli, Listeria sp, Salmonella
Microbal - MB4	MB4	E.coli, Listeria sp, Salmonella, Coagulase Positive Staphylococci, Coliforms

I K Caldwell Technical Services - Analysis List



Quality Assurance Testing

Please note: Grower to provide sample

AGRIFOOD TECHNOLOGY	Code	Description
HACCP Water Test	HACCP	E.coli, Aerobic spore count, pH, EC
Residue Screen - one active	YYTRESSCRSA	one active ingredient only
Residue Screen - Glyphosphate	YYTRESSCRGLY	Glyphosphate only

Seed Testing

Please note: Grower to provide sample

FUTARI	Code	Description
Seed Germination plus Vigour		Seed Germination + Vigour
1000 Seed Weight		1000 Kernel Weight
Seed Purity		Purity

I K Caldwell Technical Services - Analysis List



Diagnostic Testing

CROP HEALTH SERVICES	Code	Description
Diagnostic - Fungal culturing & ID		culturing, baiting, moist incubation, soil sieving for sclerotia
Diagnostic - Bacterial ID general		general & specific
Diagnostic - Nematode extraction, ID & count		Requires plant, roots and at least 400gm of soil. Fresher the better

SARDI	Code	Description
Predicta B soil test	SARDI	Rhizoctonia, Take all, CCN, Black Spot, Pratylenchus, Crown Rot

Resistance Testing

PLANT SCIENCE CONSULTING	Code	Description
Quick Test (plants)		herbicide test