

Cornell Soil Health Assessment 2012

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<u>Grower</u>						Comme	Commercial representative							
Grower name:						Represer	ntative name	: <u></u>						
Address:						Address:								
_														
Phone:						Phone:				Cou	unty:			
Email:						Email:								
Soil Health A	nalysi	s Cost					[] Check	enclosed	d (to:	: CORNELI	L UNIV.)		
Basic Package* \$45/ sample \$						Paid Agent (name):								
Standard Pack	age \$7	5/ samp	ole		\$		[] Bill Me	:					
Add-on Soluble	e Salts	\$7.50/	sample		\$									
Add-on Metals Screening \$17/ sample \$						-	:Total							
* See Back o	f Sheet	(top) fo	or Listin	g of Test	s Performed	in each Sc	il Health I	Package						
			FII	ELD A	ND FARM	INFOR	RMATIC	N						
Field yield	s are:			Field prol	olems:		<u>Fai</u>	m Operati	on (chec	ck al	II that appl	<u>y):</u>		
☐ high	☐ increa	asing	□ cru	sting	☐ soil hard		☐ dairy	or	organic research farm			n farm		
□ medium	☐ decre	asing	☐ dro	ughty	□ diseases		□ vegetable	□ co	conventional commercia			cial farm		
□ low	□ const	ant	□ sta	ys wet	dther	_	☐ grain	□ ot	ner	-	☐ garden			
	SO	IL IN	FORM	IOITA	N ★Re	member	: 4-6 cu	ps of s	oil are	e n	eeded!	*		
LAB ID (I	Lab Use	Only)			Field Id	entification				Date	Sampled			
SOIL NA	AME (RE	QUIRED)		llage Depth		Artificial Drainage			Manure / Organic Additions				
(ex. LIMA silt loam)				<u>2010</u> <u>2011</u> <u>2012</u>				r 1	Type/ 2010	Anin	nal Am	ount/ Acre		
				1 = no till, 2 = 1-7 inch,			1 = none, 2 = Inadequate, [] 2011							
					9 inch, 4 = >9 inch		quate, 4 =Exce		2012					
			FORM		N (see ba				p Cod					
% Legume L	.ast Year			Cover C	rop		ast Year Cro		Thio		uture Crop			
		4	Defens and	3 Defe	re 2nd years crop,	3 yrs ag	o 2 yrs ago	Last yr	This	уı	Next yr	Third y		
4 00/ 0				• *	re 2nd years crop, Before all years crop									
1 = 0%, 2 = 3 - 26-50% 4					R DATA C	OLLEC	TION (use SM	ΔΙΙ΄	1/2	" tin)			
3 = 26-50%, 4	= 51-100%		- IROI		\ D/\\\\\	AGE ELEC		use on						
3 = 26-50%, 4 FI	= 51-100% ELD	PENE										ırdnan		
3 = 26-50%, 4 FI PENETRATION RESISTANCE	= 51-100% ELD	PENE	loc	cation 2	location 3		ation 4	location		<u>De</u>	pth to Ha	паран		
3 = 26-50%, 4 FI PENETRATION RESISTANCE	= 51-100% ELD loca	PENE			location 3		push 8		5 oush 10		<u>pth to Ha</u> a <u>Restric</u>			
3 = 26-50%, 4 FI PENETRATION RESISTANCE 0-6 INCH	= 51-100% ELD	PENE	loc	cation 2						or		tive		

CORNELL SOIL HEALTH TEST INFORMATION

Field Crop and Vegetable Soil Health Package Analyses

Basic Package Analyses \$45/ sample

Recommended applications: field crops, dairy, lawns Soil pH, Mod. Morgan Extractable P, K, micronutrients

Soil Texture

Wet Aggregate Stability Available Water Capacity Surface/ sub-surface Hardness

Organic Matter Active Carbon

Standard Package Analyses \$75/ sample

<u>Recommended applications</u>: organic production, vegetable crops, problem diagnosis, soil health initializing, home gardens

Basic Package

PMN (Potentially Mineralizable N)

Root Bioassay

Landscape/ Urban/ High Tunnel Add-on Tests

Soluble Salts/ conductivity (CNAL test 1880) \$7.50/ sample and Sodium Absorption Ratio (SAR)

Recommended applications: high tunnels, landscaped areas, lawns and urban areas, heavily composted areas, home gardens

Heavy Metal Screening \$17/ sample (CNAL test 2021, EPA Method 3051-6010)

Recommended applications: urban areas and gardens, home gardens, playgrounds, brownfields, heavily composted areas

The <u>complete Cornell Soil Health Test Report</u>, which includes the test results from the Basic and Comprehensive Packages listed above require about 4-6 weeks for completion and will be sent from the Soil Health Lab of the Cornell Nutrient Analysis Lab, G01 Bradfield Hall, Cornell University, Ithaca, NY 14853.

Please see the website http://soilhealth.cals.cornell.edu for specific field sampling and sample handling instructions. This website also contains the Cornell Soil Health Assessment Training Manual which outlines the soil analyses and how to interpret the Soil Health Test Report.

STANDARD SOIL FERTILITY GUIDELINES (NY ONLY)

The Cornell Nutrient Analysis Laboratory will be performing Soil Nutrient tests and will send results directly to the names listed on this submission form in **New York only**. Soils from other States will only receive chemical level scores on the Soil Health Report.

Standard Nutrient Guidelines (NY only): pH, buffer pH (lime requirement), organic matter and Modified Morgan extractable phosphorus, potassium, calcium, magnesium, aluminum, sulfur, zinc, manganese and iron.

You will receive the soil Chemical results and nutrient recommendation guidelines within 2 weeks of sample submission.

			CROP CODE	S					
			PERENNIAL AGRONOMIC	CROPS					
CODE	INITIAL ESTABLISHMENT	CODE	TOPDRESSING ESTAB. STANDS	CODE	INITIAL ESTABLISHMENT	CODE	TOPDRESSING ESTABL		
ALE	Alfalfa	ALT	Alfalfa	CVE	Crownvetch	CVT	Crownvetch		
AGE	Alfalfa-grass	AGT	Alfalfa-grass	GRE	Grasses	GRT	Grasses (brome, timothy)		
ABE	Alfalfa-trefoil-grass	ABT	Alfalfa-trefoil-grass	GIE	Grass-intensive mgmt.	GIT	Grass-intensive manager		
BTE	Birdsfoot-trefoil	BTT	Birdsfoot-trefoil	PIE	Pasture-rotation grazed	PIT	Pasture-intensive manage		
BGE	Birdsfoot-trefoil-grass	BGT	Birdsfoot-trefoil-grass	PGE	Pasture w/improv. grazing	PNT	Pasture w/native grass		
BCE	Birdsfoot-trefoil-clover	вст	Birdsfoot-trefoil-clover-grass	PLE	Pasture with legumes	PGT	Pasture w/improved grass		
BSE	Birdsfoot-trefoil-seed	BST	Birdsfoot-trefoil-seed	WPE	Waterways, pond dikes	PLT	Pasture w/legumes		
CLE	Clover	CLT	Clover			WPT	Waterways, pond dikes		
CGE	Clover-grass	CGT	Clover-grass				, .,		
CSE	Clover-seed production	CST	Clover-seed production						
			ANNUAL AGRONOMIC CF	ROPS					
CODE	INITIAL ESTABLISHMENT	CODE	TOPDRESSING ESTAB. STANDS	CODE	INITIAL ESTABLISHMENT	CODE	TOPDRESSING ESTABL		
BSP	Barley-spring	BUK	Buckwheat	RYC	Rye-cover crop	SOY	Soybeans		
BSS	Barley-spring w/legume	COG	Corn-grain	RYS	Rye-seed production	SUN	Sunflower		
BWI	Barley-winter	cos	Corn-silage	SOG	Sorghum-grain	TRP	Triticale, Peas		
BWS	Barley-winter w/legume	MIL	Milet	SOF	Sorghum-forage	WHT	Wheat		
BDR	Beans-dry	OAT	Oats	SSH	Sorghum-sudan hybrid	WHS	Wheat w/legume		
		OAS	Oats seeded w/legume	SUD	Sudangrass				
	MISCELLANEOUS CF	ROPS- Resu	lts only. No interpretations or nu		•				
CODE	CROP	CODE	CROP	NOTE:	NOTE: The complete list of crop codes can be found at				
TRT	Christmas Tree, Topdress	IDL	Idle Land	http://v	http://www.dairyone.com/AgroOne/Agro_One_Crop_Codes.pdf				
TRE	Christmas Tree, Establishment	OTH	Crops not listed						
			VEGETABLE CROPS						
CODE	CROP	CODE	CROP	CODE	CROP	CODE	CROP		
ASP	Asparagus	CFS	Cauliflower-seeded	MML	Muskmelon	RAD	Radishes		
BND	Beans-dry	CEL	Celery	MUS	Mustard	RHU	Rhubarb		
BNS	Beans-Snap	CRD	Chard	ONP	Onion-transplanted	SPS	Spinach-spring		
BET	Beets	CHC	Chinese cabbage	ONS	Onion-seeded	SPF	Spinach-fall		
BRP	Broccoli-transplanted	CKP	Cucumber-transplanted	PSL	Parsley	SQS	Squash-summer		
BRS	Broccoli-seeded	CKS	Cucumber-seeded	PSN	Parsnips	SQW	Squash-winter		
BUS	Brussels Sprouts	EGG	Eggplant	PEA	Peas	SWC	Sweet corn		
CBP	Cabbage-transplanted	END	Endive/Escarole	PEP	Peppers	TME	Tomato-early		
CBS	Cabbage-seeded	GAR	Garlic	POP	Popcorn	TOM	Tomato-all others		
CAR	Carrots	LET	Lettuce	POT	Potatoes	TUR	Turnips		
CFP	Cauliflower-transplanted	MIX	Mixed vegetables	PUM	Pumpkins	WAT	Watermelon		