

Soil Analysis Report

Spectrum Analytic Inc.

P.O. Box 639 - 1087 Jamison Road
Washington C.H., OH 43160

www.spectrumanalytic.com

Report To
PLANT LIFE RR #1 ATTICA, OH 44807

Prepared For
Account - 10001 ALBERT J BISTNER RR #4 TIFFIN, OH 44883

Sampled	06-15-2000
Received	06-20-2000
Tested	06-20-2000

Sample Number	Lab Number	pH		Organic Matter %	lbs/A - Rating				CEC	Base Saturation			ppm - Rating				Index - Rating	
		Soil pH	Buffer pH		Phosphorus P	Potassium K	Magnesium Mg	Calcium Ca		K %	Mg %	Ca %	Sulfur S	Boron B	Zinc Zn	Iron Fe	Copper Cu	Manganese Mn
A-1	Y18738	5.6	6.5	3.3	159 H	762 H	975 G	4892 G	23.4	4.2	17.4	52.4	15 G	0.4 L	13 G	100 V	1.5 G	38 G
A-2	Y18739	6.1	6.9	1.4	85 G	451 G	819 H	3799 G	14.8	3.9	23.1	64.2	15 G	0.5 L	10 G	77 V	1.2 G	36 G
A-3	Y18740	5.8	6.5	2.7	31 M	277 M	914 G	4873 G	22.4	1.6	17.0	54.3	15 G	0.5 L	7 M	87 V	1.5 G	34 G
A-4	Y18741	5.0	6.3	1.4	252 V	693 H	470 G	2259 M	17.0	5.2	11.5	33.2	16 G	0.1 L	6 M	100 V	1.4 G	50 H
A-5	Y18742	5.0	6.1	1.6	56 M	226 M	478 M	1723 M	17.5	1.7	11.4	24.6	17 G	0.1 L	4 M	100 V	1.8 G	52 H
A-6	Y18743	6.3	6.9	2.0	68 M	425 G	817 H	3664 G	14.4	3.8	23.6	63.5	15 G	0.2 L	10 G	75 V	1.1 G	33 G
A-7	Y18744	6.3	6.9	2.4	83 G	513 H	764 H	3546 G	14.0	4.7	22.7	63.3	15 G	0.2 L	10 G	73 V	1.1 G	33 G
A-8	Y18745	4.9	6.3	1.3	227 V	685 H	448 G	2071 M	16.4	5.3	11.4	31.5	17 G	0.1 L	6 M	100 V	1.5 G	52 H
A-9	Y18746	4.8	6.3	2.0	195 V	608 H	484 G	2159 M	16.7	4.7	12.1	32.3	18 G	0.1 L	5 M	100 V	1.7 G	52 H
A-10	Y18747	5.6	6.5	2.7	35 M	343 M	949 G	5011 G	23.0	1.9	17.2	54.4	15 G	0.5 L	7 M	92 V	1.7 G	38 G
A-11	Y18748	5.9	6.5	3.7	26 M	342 M	951 G	5078 G	23.1	1.9	17.2	55.0	15 G	0.7 L	7 M	85 V	1.5 G	32 G
A-12	Y18749	5.4	6.4	1.0	60 M	187 M	494 G	2122 M	14.8	1.6	13.9	35.8	16 G	0.1 L	12 G	95 V	1.6 G	47 G
A-13	Y18750	5.0	6.4	1.6	47 M	208 M	519 G	1821 M	14.2	1.9	15.2	32.1	17 G	0.1 L	4 M	91 V	1.8 G	53 H
A-14	Y18751	5.5	6.5	2.7	236 V	854 V	930 G	4620 G	22.5	4.9	17.2	51.3	15 G	0.3 L	12 G	100 V	1.4 G	39 G
A-15	Y18752	5.5	6.5	3.2	233 V	910 V	955 G	4794 G	23.1	5.0	17.2	51.8	16 G	0.3 L	13 G	100 V	1.4 G	39 G
A-16	Y18753	6.1	6.5	5.4	297 V	419 G	326 G	1933 M	12.7	4.2	10.7	38.0	22 G	0.1 L	34 H	90 V	0.7 G	28 G
A-17	Y18754	5.9	6.5	4.7	230 V	203 M	212 M	1942 M	12.0	2.2	7.4	40.5	18 G	0.1 L	69 V	100 V	1.4 G	30 G
A-18	Y18755	6.0	6.4	3.4	280 V	570 H	229 M	1446 M	12.5	5.8	7.6	28.9	19 G	0.1 L	7 M	65 V	0.9 G	31 G
A-19	Y18756	6.0	6.4	2.8	403 V	189 M	245 M	1561 M	12.4	2.0	8.3	31.6	21 G	0.1 L	8 M	79 V	0.5 G	31 G
A-20	Y18757	5.9	6.5	3.7	40 M	160 M	359 M	1966 M	12.6	1.6	11.9	39.0	19 G	0.1 L	12 G	100 V	1.2 G	44 G

L=Low M=Medium G=Good H=High V=Very High

Sample Number	Lab Number	P2 ppm	Na ppm	Na Sat %	Salts mmhos/cm	NO3 ppm	Texture	Sand %	Silt %	Clay %
A-1	Y18738	307	21	.4	.14	95	Clay	9	6	85
A-2	Y18739	159	23	.7	.15	35	Silt	9	81	10
A-3	Y18740	52	20	.4	.21	45	Clay	9	6	85
A-4	Y18741	351	22	.6	.11	99	Loam	36	47	17
A-5	Y18742	75	20	.5	.08	45	Silty Clay	2	46	53
A-6	Y18743	145	29	.9	.14	47	Sandy Loam	54	40	6
A-7	Y18744	142	23	.7	.18	29	Sandy Clay	45	7	47
A-8	Y18745	328	28	.7	.25	99	Clay	5	12	83
A-9	Y18746	291	22	.6	.18	99	Clay	28	0	71
A-10	Y18747	62	24	.5	.22	85	Clay	21	10	69

Soil Fertility Recommendations

Spectrum Analytic Inc.

P.O. Box 639 - 1087 Jamison Road
Washington C.H., OH 43160

www.spectrumanalytic.com

Report To
PLANT LIFE RR #1 ATTICA, OH 44807

Prepared For
Account - 10001 ALBERT J BISTNER RR #4 TIFFIN, OH 44883

Sampled	06-15-2000
Received	06-20-2000
Tested	06-20-2000

Sample Number	Lab Number	Year	Crop	Yield Goal	Acres	Nutrient recommendations expressed in broadcast rates of lbs/A except where noted.										
						CaCO3 Lime	N	P2O5	K2O	Mg	S	B	Cu	Fe Foliar	Mn Row	Zn
A-1	Y18738	00	Soybeans	60 bu	2.5	5710	20	0	0	0	3	0.50	0	0	0	2
A-2	Y18739	00	Corn	150 bu	2.5	1693 C	186	44	37	0	3	0.50	0	0	0	2
A-3	Y18740	00	Alfalfa Topdress	6 ton	2.5	5485	0	114	344	0	3	0.50	0	0	2	4
A-4	Y18741	00	Sugar Beets	25 ton	2.5	8629	56	0	0	10	3	0.50	0	0	0	6
A-5	Y18742	00	Grass, Cool Season TD	2 ton	2.5	10583 D	69	48	112	10	0	0.50	0	0	0	5
A-6	Y18743	00	Blueberries	90 cwt	2.5	0	65	58	20	0	3	0.50	2	0	2	2
A-7	Y18744	00	Corn	225 bu	2.5	1374 C	281	78	20	0	3	0.50	2	0	2	2
A-8	Y18745	00	Wheat, Winter	90 bu	2.5	8847	119	0	0	25	0	0.50	0	0	0	6
A-9	Y18746	00	Strawberries	120	2.5	7806	120	0	0	10	0	0.50	0	0	0	7
A-10	Y18747	00	Grass, Cool Season TD	3 ton	2.5	5486	113	80	115	0	3	0.50	0	0	0	4
A-11	Y18748	00	Tomatoes	250 ton	2.5	4718	763	277	498	0	3	0.25	0	0	2	3
A-12	Y18749	00	Grass, Warm Season	120 ton	2.5	6292	999	93	217	14	3	0.50	0	0	0	2
A-13	Y18750	00	Coastal Bermuda (Graze)	12 ton	2.5	6915	350	90	152	10	0	0.50	0	0	0	5
A-14	Y18751	00	Rice	60 bu	2.5	4994	53	0	0	0	3	0.50	0	0	0	2
A-15	Y18752	00	Canola/Rapeseed	40 bu	2.5	5711	104	0	0	0	3	0.50	0	0	0	2
A-16	Y18753	00	Soybeans	60 bu	2.5	4420	20	0	43	10	0	0.50	2	0	2	0
A-17	Y18754	00	Corn	150 bu	2.5	4718 D	153	0	164	13	0	0.50	0	0	2	0
A-18	Y18755	00	Alfalfa Topdress	6 ton	2.5	5724 D	0	0	33	16	0	0.50	2	0	2	5
A-19	Y18756	00	Sugar Beets	25 ton	2.5	5068 D	42	0	203	10	0	0.50	2	0	2	4
A-20	Y18757	00	Grass, Cool Season TD	2 ton	2.5	4718 D	48	68	119	10	0	0.50	0	0	0	2

Lime Expressed in 100% Pure CaCO3. Adjust Accordingly. D=Dolomitic. C=Calcitic

Soybeans / Corn / Sugar Beets / Wheat, Winter / Rice / Canola/Rapeseed: Monitor and adjust nutrient program based on annual leaf analysis

Alfalfa Topdress: Split apply fertilizer according to yield goal and soil type. Monitor and adjust nutrient program with annual plant analysis.

Grass, Cool Season TD: Reduce P2O5 20 lb. and K2O 40 lb. if for grazing.

Blueberries: Avoid chloride or nitrate sources. Use Urea (46-0-0) as N source if pH is less than 5.0. Any additional recommended Ca can be applied as gypsum. Monitor and adjust nutrients with annual leaf analysis

Strawberries: Split N 40 lb. 3 months before ripening, 40 lb. after harvest, and 40 lb. in late Aug. or early Sept. Omit first 40 lbs. if soft fruit is a problem. Monitor and adjust nutrient program with leaf analysis.

Tomatoes: Apply most of N as multiple sidedressings, beginning at appearance of first cluster and based on soil N test (PSNT) 7-10 days prior. Fall or split apply K2O If rate exceeds 300 lb. or soil K exceeds Mg . Monitor and adjust nutrients with plant analysis.

Grass, Warm Season / Coastal Bermuda (Graze): Split N rate at 60-80 lb. each application. Monitor and adjust nutrient program with annual tissue analysis.