

Spectrum Analytic

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Report To
WILLARD AGRI-SERVICE

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Sampled	12-29-2017
Tested	01-02-2018

Sample Number	Lab Number	pH		Organic Matter %	P-FV Fertility Index Value	Mehlich-3 ppm - Rating			CEC	Base Saturation			ppm - Rating			Index - Rating	
		Soil pH	Buffer pH			Potassium K	Magnesium Mg	Calcium Ca		K %	Mg %	Ca %	Sulfur S	Boron B	Zinc Zn	Iron Fe	Copper Cu
E1-1	C24147	6.2	7.0	2.0	57 O	115 M	157 G	944 G	4.9	5.0	23.3	71.7					
E2-1	C24148	6.0	6.8	1.5	64 O	93 M	138 M	784 M	6.6	3.1	15.4	44.9					
E5-1	C24149	6.1	6.9	2.0	38 L	89 M	163 G	738 G	5.4	3.6	22.3	51.7					
E7-1	C24150	5.7	7.0	1.5	37 M	39 L	71 M	723 G	3.3	2.5	15.7	81.8					
E8-1	C24202	5.6	6.6	1.4	37 M	53 L	120 M	658 M	8.3	1.4	10.7	29.9					
E11-1	C24151	6.1	7.0	1.8	61 O	120 G	139 G	784 G	4.2	6.1	24.2	69.7					
E12-1	C24152	5.9	6.8	1.4	61 O	139 G	112 M	712 M	6.2	4.8	13.3	43.1					
E13-1	C24153	6.8	7.2	2.2	38 M	164 M	70 L	4399 H	19.0	1.9	2.7	78.8					
E14-1	C24154	7.5		2.7	25 L	100 M	143 M	26590 V	16.3	1.3	6.4	92.2					

Sample Number	Year	Acres	Previous Crop	Nitrogen Credit	Crop to be Grown	Tillage Method	Yield Goal
E1-1	2018	15.4	UMD Corn	0	UMD Soybeans		75 bu
E2-1	2018	49	UMD Soybeans	0	UMD Wheat, Winter		100 bu
E5-1	2018	12.2	UMD Wheat/Soybean (DC)	15	Corn		180 bu
E7-1	2018	4.5	UMD Alfalfa & grass, topdress	0	UMD Alfalfa & grass, topdress		7 ton
E8-1	2018	13.5	UMD Wheat/Soybean (DC)	15	Corn		180 bu
E11-1	2018	29.5	UMD Corn	0	UMD Soybeans		75 bu
E12-1	2018	6.5	UMD Corn	0	UMD Soybeans		75 bu
E13-1	2018	14.5	UMD Wheat/Soybean (DC)	15	Corn		180 bu
E14-1	2018	2.3	UMD Wheat/Soybean (DC)	15	Corn		180 bu

Sample Number	Year	CaCO3 Lime Tons	Recommendations			Measure Type and Analysis % NP2O5/K2O	Amt To Apply	Remainder			Nutrient recommendations expressed in broadcast rates of lbs/A except							
			N	P2O5	K2O			N	P2O5	K2O	Mg	S	B	Cu	Fe Folar	Mn Row	Zn	
E1-1	2018	0.5	0	65	137							10						
E2-1	2018	1.1 D	90	34	101							10						
E5-1	2018	0.7	181	129	195							10						
E7-1	2018	0.6 D	0	69	485							21						
E8-1	2018	2.1 D	187	127	215							15						
E11-1	2018	0.5	0	62	132							11						
E12-1	2018	1.3 D	0	62	123							11						
E13-1	2018	0.0	179	116	175							84						
E14-1	2018	0.0	174	135	206							43						