



Internal

Soil Report

Mehlich-3 Extraction

Client: Horticultural Crops Research Station /
Clinton
2450 Faison Hwy
Clinton, NC 28328

Advisor:

Sampled County : Sampson

Client ID: 403047**Advisor ID:**

Sampled: **Received:** 01/21/2020 **Completed:** 01/28/2020 **Farm:**

Sample ID: R01		Recommendations:		Lime		Nutrients (lb/acre)											More Information				
		Crop		(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B								
Lime History:		1 - Vegetables, other		0.4	80-100	140	0	0	0	0	0	0	0	0	0	0	0	0	Note: 6		
		2 - Sweetpotato		0.0	60-90	70	0	0	0	0	0	0	0	0	0	0	0.0				
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-N	
0.51	1.19	5.9	80	1.2	5.7	38	136	50	19	75	39	33	40	47	47	75	0.1	2			
Sample ID: r02		Recommendations:		Lime		Nutrients (lb/acre)											More Information				
		Crop		(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B								
Lime History: 0.30 tons/acre; 3/2019		1 - Vegetables, other		0.0	80-100	100	0	0	0	0	0	0	0	0	0	0	0	0	Note: 6		
		2 - Sweetpotato		0.0	60-90	20	0	0	0	0	0	0	0	0	0	0	0.0				
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-N	
0.60	1.27	6.3	81	1.2	5.8	56	133	53	18	58	45	37	44	56	56	52	0.1	2			
Sample ID: R03		Recommendations:		Lime		Nutrients (lb/acre)											More Information				
		Crop		(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B								
Lime History: 0.40 tons/acre; 3/2019		1 - Vegetables, other		0.0	80-100	90	0	0	0	0	0	0	0	0	0	0	0	0	Note: 6		
		2 - Sweetpotato		0.0	60-90	20	0	0	0	0	0	0	0	0	0	0	0.0				
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-N	
0.51	1.29	5.7	82	1.0	5.9	59	136	51	19	92	43	36	43	59	59	52	0.1	2			

Sample ID: RO6	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Vegetables, other	0.3	80-100	90	20	0	0	0	0	0	0	Note: 6
	2 - Sweetpotato	0.0	60-90	20	0	0	0	0	0	0	0.0	Note: 6

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:											Soil Class: Mineral									
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.36	1.30	4.7	78	1.0	5.8	60	108	47	19	48	49	39	46	61	61	51	0.1	2		

Sample ID: R07	Recommendations:	Lime	Nutrients (lb/acre)								More	
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B	Information
Lime History: 0.50 tons/acre; 3/2019	1 - Vegetables, other	0.0	80-100	120	0	0	0	0	0	0	0	Note: 6
	2 - Sweetpotato	0.0	60-90	50	0	0	0	0	0	0	0.0	Note: 6

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:											Soil Class: Mineral									
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.41	1.30	5.5	80	1.1	5.9	46	133	48	20	73	46	38	45	39	39	58	0.1	2		

Sample ID: R08	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)								More Information
			N	P2O5	K2O	Mg	S	Mn	Zn	Cu	
Lime History:	1 - Vegetables, other	0.0	80-100	150	0	0	0	0	0	0	Note: 6
	2 - Sweetpotato	0.0	60-90	80	0	0	0	0	0	0.0	Note: 6

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:											Soil Class: Mineral									
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.36	1.28	5.6	82	1.0	5.9	34	128	49	22	159	31	29	36	32	32	36	0.1	2		

Sample ID: R09	Recommendations:	Lime	Nutrients (lb/acre)								More	
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B	Information
Lime History:	1 - Vegetables, other	0.0	80-100	110	0	0	0	0	0	0	0	Note: 6
	2 - Sweetpotato	0.0	60-90	30	0	0	0	0	0	0	0.0	Note: 6

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:											Soil Class: Mineral									
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.66	1.27	7.1	83	1.2	6.0	53	160	50	21	150	34	30	37	31	31	44	0.1	1		

NCDA&CS Agronomic Division				Phone: (919) 733-2655				Website: www.ncagr.gov/agronomi/								Report No.				FY20-SL022703			
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Sample ID: R12		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 3 Note: 6							
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B	
Lime History:		1 - Corn, grain		0.0		120 - 160		0		0		0		0				0		0		0	
		2 - Vegetables, other		0.0		80-100		80		10		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
1.19	1.24	6.2	84	1.0	6.0	67	110	55	20	74	44	43	36	43	43	59	0.1	2					
Sample ID: R15		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 3 Note: 6							
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B	
Lime History:		1 - Corn, grain		0.0		120 - 160		0		0		0		0				0		0		0	
		2 - Vegetables, other		0.0		80-100		70		20		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
0.86	1.33	5.3	81	1.0	5.9	69	103	52	19	54	34	37	30	65	65	50	0.1	2					
Sample ID: R16		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 3 Note: 6							
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B	
Lime History:		1 - Corn, grain		0.0		120 - 160		0		0		0		0				0		0		0	
		2 - Vegetables, other		0.0		80-100		0		0		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
2.76	1.28	9.0	84	1.4	6.0	145	141	54	22	86	40	41	34	74	74	63	0.1	1					
Sample ID: R19		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 3 Note: 6							
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B	
Lime History:		1 - Corn, grain		0.0		120 - 160		0		0		0		0				0		0		0	
		0.30 tons/acre; 3/2019		2 - Vegetables, other		0.0		80-100		0		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral-Organic																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
3.67	1.20	8.8	74	2.3	5.6	126	138	47	19	84	41	48	41	65	81	44	0.2	2					

Sample ID: R20	Recommendations:																	Lime										Nutrients (lb/acre)										More																																																																																		
Lime History:	Crop																	(tons/acre)										N										P2O5										K2O										Mg										S										Mn										Zn										Cu										B										Information		
	1 - Corn, grain																	0.0										120 - 160										0										0										0										0										0										0										0										Note: 3												
	2 - Vegetables, other																	0.0										80-100										10										0										0										0										0										0										Note: 6																						
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																																	Soil Class: Mineral																																																																																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-N																																																																																																				
2.29	1.27	8.0	85	1.2	6.1	109	140	54	21	100	38	38	31	51	51	50	0.2	3																																																																																																						
Sample ID: R21	Recommendations:																	Lime										Nutrients (lb/acre)										More																																																																																		
Lime History:	Crop																	(tons/acre)										N										P2O5										K2O										Mg										S										Mn										Zn										Cu										B										Information		
	1 - Sweetpotato																	0.5										60-90										0										0										0										0										0										0										0.5										Note: 6												
	2 - Corn, grain																	0.0										120 - 160										0										0										0										0										0										0										Note: 3																						
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																																	Soil Class: Mineral																																																																																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-N																																																																																																				
2.29	1.25	8.2	80	1.6	5.7	92	140	51	20	106	39	40	40	79	79	49	0.2	2																																																																																																						
Sample ID: R22	Recommendations:																	Lime										Nutrients (lb/acre)										More																																																																																		
Lime History:	Crop																	(tons/acre)										N										P2O5										K2O										Mg										S										Mn										Zn										Cu										B										Information		
	1 - Sweetpotato																	0.0										60-90										0										0										0										0										0										0										0.5										Note: 6												
	2 - Corn, grain																	0.0										120 - 160										0										0										0										0										0										0										Note: 3																						
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																																	Soil Class: Mineral																																																																																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-N																																																																																																				
1.37	1.28	6.4	84	1.0	6.0	78	126	54	20	89	39	40	40	57	57	51	0.2	3																																																																																																						
Sample ID: K04	Recommendations:																	Lime										Nutrients (lb/acre)										More																																																																																		
Lime History:	Crop																	(tons/acre)										N										P2O5										K2O										Mg										S										Mn										Zn										Cu										B										Information		
	1 - Sweetpotato																	0.0										60-90										0										0										0										0										0										0										0.5										Note: 6												
	2 - Vegetables, other																	0.0										80-100										60										20										0										0										0										0										Note: 6																						
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																																	Soil Class: Mineral																																																																																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-N																																																																																																				
0.32	1.31	3.4	88	0.4	6.5	74	101	55	18	45	58	44	37	58	58	82	0.2	6																																																																																																						

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Sample ID: K05		Recommendations:		Lime		Nutrients (lb/acre)											More Information Note: 6 Note: 6						
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn		Zn			Cu		B		
Lime History:		1 - Sweetpotato		0.0		60-90		0		0		0		0		0			0		0.5		
		2 - Vegetables, other		0.0		80-100		0		10		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
0.41	1.35	3.8	83	0.6	6.1	147	116	53	15	52	98	74	67	87	87	161	0.2	5					
Sample ID: K06		Recommendations:		Lime		Nutrients (lb/acre)											More Information Note: 6 Note: 6						
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn		Zn			Cu		B		
Lime History:		1 - Sweetpotato		0.0		60-90		0		0		0		0		0			0		0.5		
		2 - Vegetables, other		0.0		80-100		0		60		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
0.60	1.36	3.9	81	0.8	6.0	249	78	59	12	50	122	90	83	121	121	148	0.2	5					
Sample ID: K07		Recommendations:		Lime		Nutrients (lb/acre)											More Information Note: 6 Note: 6						
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn		Zn			Cu		B		
Lime History:		1 - Sweetpotato		0.0		60-90		0		30		0		0		0			0		0.5		
		2 - Vegetables, other		0.0		80-100		0		90		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
0.32	1.36	3.4	83	0.6	6.1	219	61	55	19	38	95	73	66	126	126	54	0.1	3					
Sample ID: K08		Recommendations:		Lime		Nutrients (lb/acre)											More Information Note: 6 Note: 6						
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn		Zn			Cu		B		
Lime History:		1 - Sweetpotato		0.0		60-90		0		0		0		0		0			0		0.5		
		2 - Vegetables, other		0.0		80-100		0		70		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
0.27	1.36	3.1	79	0.6	5.9	211	73	54	14	41	74	61	54	120	120	48	0.1	3					

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Sample ID: K09		Recommendations:		Lime		Nutrients (lb/acre)										More																									
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn		Zn		Cu		B		Information																			
Lime History:		1 - Sweetpotato		0.0		60-90		20		0		0		0		0		0		0.5		Note: 6																			
		2 - Vegetables, other		0.0		80-100		100		20		0		0		0		0		0		Note: 6																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																						Soil Class:		Mineral																	
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
0.18		1.33		3.4		86		0.5		6.4		57		106		49		22		44		44		37		30		43		43		60		0.1		3					
Sample ID: K13		Recommendations:		Lime		Nutrients (lb/acre)										More																									
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn		Zn		Cu		B		Information																			
Lime History:		1 - Vegetables, other		0.0		80-100		0		60		0		0		0		0		0		Note: 6																			
		2 - Sweetpotato		0.0		60-90		0		0		0		0		0		0		0.0		Note: 6																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																						Soil Class:		Mineral																	
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
0.41		1.36		3.7		86		0.5		6.3		161		76		59		17		44		103		67		74		104		104		74		0.2		5					
Sample ID: K14		Recommendations:		Lime		Nutrients (lb/acre)										More																									
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn		Zn		Cu		B		Information																			
Lime History:		1 - Vegetables, other		0.0		80-100		0		60		0		0		0		0		0		Note: 6																			
		2 - Sweetpotato		0.0		60-90		0		0		0		0		0		0		0.0		Note: 6																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																						Soil Class:		Mineral																	
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
0.41		1.31		3.7		85		0.6		6.3		212		79		58		17		55		112		73		80		85		85		100		0.2		5					
Sample ID: K15		Recommendations:		Lime		Nutrients (lb/acre)										More																									
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn		Zn		Cu		B		Information																			
Lime History:		1 - Vegetables, other		0.0		80-100		0		70		0		0		0		0		0		Note: 6																			
		2 - Sweetpotato		0.0		60-90		0		0		0		0		0		0		0.0		Note: 6																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																						Soil Class:		Mineral																	
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
0.36		1.34		3.2		79		0.7		5.9		207		73		55		12		53		103		72		79		132		132		98		0.2		6					

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Sample ID: K16		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 6 Note: 6							
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B	
Lime History:		1 - Vegetables, other		0.0		80-100		10		40		0		0				0		0		0	
		2 - Sweetpotato		0.0		60-90		0		0		0		0				0		0		0.0	
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
0.22	1.33	3.3	84	0.5	6.3	116	90	51	20	49	72	49	56	58	58	73	0.2	6					
Sample ID: K17		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 6 Note: 6							
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B	
Lime History:		1 - Vegetables, other		0.0		80-100		50		40		0		0				0		0		0	
		2 - Sweetpotato		0.0		60-90		0		0		0		0				0		0		0.0	
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
0.27	1.39	4.3	83	0.7	6.1	81	91	50	22	47	65	48	55	46	46	56	0.3	7					
Sample ID: K18		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 6 Note: 6							
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B	
Lime History:		1 - Vegetables, other		0.0		80-100		130		70		0		0				0		0		0	
		2 - Sweetpotato		0.0		60-90		50		10		0		0				0		0		0.0	
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
0.22	1.34	4.0	85	0.6	6.2	44	69	54	22	42	46	35	42	30	30	55	0.2	5					
Sample ID: K22		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 6 Note: 6							
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B	
Lime History:		1 - Vegetables, other		0.0		80-100		0		110		0		0				0		0		0	
		2 - Sweetpotato		0.0		60-90		0		60		0		0				0		0		0.0	
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																							
Soil Class: Mineral																							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N			
0.60	1.41	4.2	84	0.7	6.1	215	50	59	18	42	116	79	86	82	82	76	0.1	2					

Sample ID: K23	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Vegetables, other	0.3	80-100	0	120	0	0	0	0	0	0	Note: 6
	2 - Sweetpotato	0.0	60-90	0	70	0	0	0	0	0	0.0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.51	1.41	3.4	75	0.8	5.7	226	46	53	16	39	102	71	78	87	87	95	0.1	3		

Sample ID: K24	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Vegetables, other	0.3	80-100	0	160	0	0	0	0	0	0	Note: 6
	2 - Sweetpotato	0.0	60-90	0	120	0	0	0	0	0	0.0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.27	1.43	2.7	73	0.7	5.5	181	32	53	14	34	68	51	58	68	68	67	0.1	4		

Sample ID: K25	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Vegetables, other	0.0	80-100	100	40	0	0	0	0	0	0	Note: 6
	2 - Sweetpotato	0.0	60-90	20	0	0	0	0	0	0	0.0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.13	1.36	3.4	78	0.7	5.9	58	90	46	19	36	51	41	48	37	37	46	0.2	6		

Sample ID: K26	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Vegetables, other	0.0	80-100	0	40	0	0	0	0	0	0	Note: 6
	2 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0.0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.71	1.34	5.3	81	1.0	5.9	145	89	55	18	49	101	71	78	82	82	86	0.2	4		

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Sample ID: K27		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 6 Note: 6																									
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B																			
Lime History:		1 - Vegetables, other		0.0		80-100		0		40		0		0				0		0		0																			
		2 - Sweetpotato		0.0		60-90		0		0		0		0				0		0		0.0																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral																					
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
0.81		1.36		5.3		83		0.9		6.1		159		86		54		21		48		106		73		80		64		64		70		0.2		4					
Sample ID: 012		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 3 Note: 6																									
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B																			
Lime History:		1 - Soybean		0.0		0		0		10		0		0				0		0		0																			
0.30 tons/acre; 3/2019		2 - Sweetpotato		0.0		60-90		0		0		0		0				0		0		0.0																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral																					
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
0.36		1.35		3.4		76		0.8		5.7		133		74		51		14		42		80		58		65		80		80		81		0.1		3					
Sample ID: 013		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 3 Note: 6																									
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B																			
Lime History:		1 - Soybean		0.0		0		50		0		0		0				0		0		0																			
		2 - Sweetpotato		0.0		60-90		70		0		0		0				0		0		0.0																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral																					
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
0.36		1.29		5.2		79		1.1		5.9		36		119		48		20		99		27		26		33		33		33		40		0.1		2					
Sample ID: 014		Recommendations:		Lime		Nutrients (lb/acre)										More Information Note: 3 Note: 6																									
Crop		(tons/acre)		N		P2O5		K2O		Mg		S		Mn				Zn		Cu		B																			
Lime History:		1 - Soybean		0.0		0		0		0		0		0				0		0		0																			
		2 - Sweetpotato		0.0		60-90		0		0		0		0				0		0		0.0																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral																					
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
0.36		1.29		5.5		82		1.0		6.0		72		120		53		18		60		53		42		49		46		46		70		0.1		2					

Sample ID: 015 Lime History:	Recommendations:	Lime	Nutrients (lb/acre)								More Information Note: 3 Note: 6
	Crop	(tons/acre)	N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B
	1 - Soybean	0.0	0	0	0	0	0	0	0	0	0
	2 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0.0

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.60	1.37	4.1	80	0.8	5.8	144	89	53	16	55	62	47	54	82	82	96	0.1	2		

Sample ID: 016 Lime History:	Recommendations:	Lime	Nutrients (lb/acre)								More Information Note: 3 Note: 6
	Crop	(tons/acre)	N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B
	1 - Soybean	0.3	0	0	0	0	0	0	0	0	0
	2 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0.0

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
1.08	1.34	4.9	79	1.0	5.7	107	121	51	15	47	38	33	40	56	56	57	0.1	2		

Sample ID: 017 Lime History:	Recommendations:	Lime	Nutrients (lb/acre)								More Information Note: 3 Note: 6
	Crop	(tons/acre)	N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B
	1 - Soybean	0.3	0	0	0	0	0	0	0	0	0
	2 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0.0

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.51	1.27	4.4	76	1.0	5.7	98	135	44	17	39	44	36	43	44	44	52	0.1	2		

Sample ID: 018 Lime History:	Recommendations:	Lime	Nutrients (lb/acre)								More Information Note: 3 Note: 6
	Crop	(tons/acre)	N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B
	1 - Soybean	0.3	0	0	0	0	0	0	0	0	0
	2 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0.0

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.51	1.30	4.0	80	0.8	5.6	132	112	51	15	34	45	37	44	56	56	58	0.1	3		

Sample ID: n33 Lime History:	Recommendations:	Lime	Nutrients (lb/acre)									More Information Note: 6 Note: 3
	Crop	(tons/acre)	N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
	1 - Vegetables, other	0.4	80-100	30	50	0	0	0	0	0	0	
	2 - Soybean	0.0	0	0	0	0	0	0	0	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.92	1.42	3.2	74	0.8	5.5	96	82	45	16	34	28	27	27	59	59	51	0.1	3		

Sample ID: N34 Lime History:	Recommendations:	Lime	Nutrients (lb/acre)									More Information Note: 6 Note: 3
	Crop	(tons/acre)	N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
	1 - Vegetables, other	0.4	80-100	10	30	0	0	0	0	0	0	
	2 - Soybean	0.0	0	0	0	0	0	0	0	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.66	1.39	3.4	74	0.9	5.5	114	94	44	16	35	31	29	29	74	74	59	0.1	3		

Sample ID: A02 Lime History:	Recommendations:	Lime	Nutrients (lb/acre)									More Information Note: 6 Note: 6
	Crop	(tons/acre)	N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
	1 - Sweetpotato	0.0	60-90	0	20	0	0	0	0	0	0.5	
	2 - Vegetables, other	0.0	80-100	0	80	0	0	0	0	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.27	1.41	2.4	81	0.4	5.8	170	67	50	17	42	66	57	50	70	70	64	0.1	4		

Sample ID: A03 Lime History:	Recommendations:	Lime	Nutrients (lb/acre)									More Information Note: 3 Note: 6
	Crop	(tons/acre)	N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
	1 - Corn, grain	0.0	120 - 160	0	30	0	0	0	0	0	0	
	2 - Vegetables, other	0.0	80-100	0	90	0	0	0	0	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.27	1.45	2.8	86	0.4	6.0	191	61	51	23	44	80	65	58	74	74	71	0.2	7		

Sample ID: A04	Recommendations:		Lime		Nutrients (lb/acre)												More Information Note: 3 Note: 6				
	Crop		(tons/acre)		N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B								
	Lime History:		1 - Corn, grain	0.0	120 - 160		0	50	0	0	0	0	0	0	0	0					
0.30 tons/acre; 3/2019		2 - Vegetables, other		0.0	80-100		0	130	0	0	0	0	0	0	0	0	0	0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.27	1.43	2.1	79	0.4	5.6	220	42	52	18	46	76	63	56	58	58	61	0.1	5			
Sample ID: A05	Recommendations:		Lime		Nutrients (lb/acre)												More Information Note: 3 Note: 6				
	Crop		(tons/acre)		N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B								
	Lime History:		1 - Corn, grain	0.0	120 - 160		0	60	0	0	0	0	0	0	0	0					
0.50 tons/acre; 3/2019		2 - Vegetables, other		0.0	80-100		0	140	0	0	0	0	0	0	0	0	0	0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.36	1.40	2.5	84	0.4	5.9	230	37	56	21	50	89	70	63	100	100	78	0.2	8			
Sample ID: A07	Recommendations:		Lime		Nutrients (lb/acre)												More Information Note: 3 Note: 6				
	Crop		(tons/acre)		N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B								
	Lime History:		1 - Corn, grain	0.0	120 - 160		0	40	0	0	0	0	0	0	0	0					
		2 - Vegetables, other		0.0	80-100		0	110	0	0	0	0	0	0	0	0	0	0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.22	1.42	2.0	86	0.3	5.9	199	49	55	18	44	67	57	50	109	109	93	0.2	10			
Sample ID: A08	Recommendations:		Lime		Nutrients (lb/acre)												More Information Note: 3 Note: 6				
	Crop		(tons/acre)		N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B								
	Lime History:		1 - Corn, grain	0.0	120 - 160		0	20	0	0	0	0	0	0	0	0					
		2 - Vegetables, other		0.0	80-100		0	80	0	0	0	0	0	0	0	0	0	0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.27	1.41	2.5	84	0.4	5.9	118	67	46	24	40	56	51	44	70	70	53	0.2	8			

Sample ID: A09	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)		N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B								
	Lime History:	1 - Corn, grain	0.3	120 - 160	0	40	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3		
	2 - Vegetables, other	0.0	80-100	0	110	0	0	0	0	0	0	0	0	0	0	0	0	Note: 6			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.22	1.47	2.5	75	0.6	5.6	190	51	47	18	36	64	55	48	96	96	64	0.1	4			
Sample ID: A13	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)		N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B								
	Lime History:	1 - Vegetables, other	0.0	80-100	0	130	0	0	0	0	0	0	0	0	0	0	0	0	Note: 6		
	2 - Soybean	0.0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.22	1.41	2.8	91	0.2	6.5	145	44	57	27	30	68	44	44	54	54	36	0.1	4			
Sample ID: N07	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)		N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B								
	Lime History:	1 - Sweetpotato	0.3	60-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	Note: 6		
	2 - Soybean	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.46	1.27	3.7	81	0.7	5.6	165	113	47	18	74	55	50	43	85	85	102	0.1	3			
Sample ID: N13	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)		N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B								
	Lime History:	1 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	Note: 6		
	2 - Vegetables, other	0.0	80-100	0	50	0	0	0	0	0	0	0	0	0	0	0	0	Note: 6			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.36	1.35	3.5	82	0.6	6.0	140	84	47	23	45	60	53	46	49	49	81	0.1	3			

Sample ID: N14	Recommendations:		Lime		Nutrients (lb/acre)												More Information			
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0.5	Note: 6							
0.30 tons/acre; 3/2019	2 - Vegetables, other	0.0	80-100	0	50	0	0	0	0	0	0									
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N
0.27	1.35	3.4	82	0.6	6.0	131	85	47	23	50	57	51	44	44	44	78	0.2	6		
Sample ID: N15	Recommendations:		Lime		Nutrients (lb/acre)												More Information			
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0.5	Note: 6							
0.30 tons/acre; 3/2019	2 - Vegetables, other	0.0	80-100	0	40	0	0	0	0	0	0									
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N
0.46	1.35	3.4	81	0.6	5.9	204	90	48	19	60	56	51	44	55	55	85	0.2	6		
Sample ID: N20	Recommendations:		Lime		Nutrients (lb/acre)												More Information			
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Soybean	0.0	0	30	0	0	0	0	0	0	0	Note: 3							
	2 - Vegetables, other	0.0	80-100	120	0	0	0	0	0	0	0									
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N
0.22	1.30	4.0	88	0.5	6.2	47	127	46	26	56	49	36	36	26	26	70	0.2	5		
Sample ID: N21	Recommendations:		Lime		Nutrients (lb/acre)												More Information			
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Soybean	0.0	0	40	0	0	0	0	0	0	0	Note: 3							
0.30 tons/acre; 3/2019	2 - Vegetables, other	0.0	80-100	130	0	0	0	0	0	0	0									
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N
0.22	1.29	4.1	86	0.6	6.2	42	126	45	26	58	48	36	36	26	26	70	0.2	5		

Sample ID: N22	Recommendations:	Lime	Nutrients (lb/acre)									More
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B	Information
Lime History:	1 - Soybean	0.0	0	10	0	0	0	0	0	0	0	Note: 3
	2 - Vegetables, other	0.0	80-100	90	30	0	0	0	0	0	0	Note: 6

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.56	1.28	4.5	83	0.8	5.8	61	96	50	22	72	32	29	29	31	31	61	0.2	4		

Sample ID: F02	Recommendations:	Lime	Nutrients (lb/acre)								More	
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B	Information
Lime History:	1 - Soybean	0.0	0	0	80	0	0	0	0	0	0	Note: 3
	2 - Vegetables, other	0.0	80-100	0	160	0	0	0	0	0	0	Note: 6

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.22	1.47	1.8	87	0.2	6.0	179	31	59	20	37	91	64	64	74	74	87	0.1	6		

Sample ID: F03	Recommendations:	Lime	Nutrients (lb/acre)								More	
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B	Information
	Lime History:	1 - Soybean	0.3	0	0	70	0	0	0	0	0	Note: 3
		2 - Vegetables, other	0.0	80-100	0	160	0	0	0	0	0	Note: 6

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.18	1.47	1.6	76	0.4	5.5	127	32	49	17	42	51	41	41	56	56	87	0.1	6		

Sample ID: F04	Recommendations:	Lime	Nutrients (lb/acre)								More	
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B	Information
	Lime History:	1 - Soybean	0.3	0	0	80	0	0	0	0	0	Note: 3
		2 - Vegetables, other	0.0	80-100	0	160	0	0	0	0	0	Note: 6

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.22	1.42	2.1	77	0.5	5.6	194	31	55	14	40	89	63	63	118	118	201	0.1	5		

Sample ID: F07	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Soybean	0.3	0	0	80	25	0	0	0	0	0	Note: 3
	2 - Vegetables, other	0.0	80-100	0	170	\$	0	0	0	0	0	Note: 6 Note: \$

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:											Soil Class: Mineral									
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.13	1.45	1.4	68	0.4	5.2	147	28	43	14	30	70	52	52	50	50	70	0.1	7		

Sample ID: F08	Recommendations:	Lime (tons/acre)	Nutrients (lb/acre)								More Information
			N	P2O5	K2O	Mg	S	Mn	Zn	Cu	
Lime History:	1 - Soybean	0.3	0	0	90	0	0	0	0	0	Note: 3
	2 - Vegetables, other	0.0	80-100	10	180	0	0	0	0	0	Note: 6

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:											Soil Class: Mineral									
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.18	1.42	1.8	74	0.5	5.6	116	24	48	19	35	60	46	46	63	63	54	0.1	6		

Sample ID: F09	Recommendations:	Lime (tons/acre)	Nutrients (lb/acre)								More Information
			N	P2O5	K2O	Mg	S	Mn	Zn	Cu	
Lime History:	1 - Soybean	0.3	0	0	80	0	0	0	0	0	Note: 3
	2 - Vegetables, other	0.0	80-100	0	160	0	0	0	0	0	Note: 6

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:											Soil Class: Mineral									
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.18	1.41	1.7	78	0.4	5.7	122	29	51	19	37	55	43	43	67	67	59	0.1	6		

Sample ID: F10	Recommendations:	Lime	Nutrients (lb/acre)								More	
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B	Information
Lime History: 0.30 tons/acre; 3/2019	1 - Vegetables, other	0.0	80-100	0	20	0	0	0	0	0	0	Note: 6
	2 - Soybean	0.0	0	0	0	0	0	0	0	0	0	Note: 3

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:											Soil Class: Mineral									
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.46	1.44	3.5	88	0.4	6.3	225	101	57	18	42	114	74	74	158	158	63	0.1	3		

Sample ID: F11	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Vegetables, other	0.0	80-100	0	90	0	0	0	0	0	0	Note: 6 Note: 3
	2 - Soybean	0.0	0	0	30	0	0	0	0	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.27	1.48	2.2	83	0.4	5.9	194	60	55	15	39	77	56	56	112	112	41	0.1	5		

Sample ID: E01	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Vegetables, other	0.0	80-100	0	0	0	0	0	0	0	0	Note: 6 Note: 3
	2 - Soybean	0.0	0	0	0	0	0	0	0	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
1.25	1.31	5.5	85	0.8	6.1	257	151	57	15	92	119	80	80	83	83	82	0.1	2		

Sample ID: E02	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Sweetpotato	0.3	60-90	0	50	0	0	0	0	0	0.5	Note: 6 Note: 6
	2 - Vegetables, other	0.0	80-100	0	100	0	0	0	0	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.56	1.41	3.1	78	0.7	5.7	225	54	51	19	38	114	85	78	80	80	65	0.1	3		

Sample ID: E03	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Sweetpotato	0.0	60-90	0	140	0	0	0	0	0	0.5	Note: 6 Note: 6
	2 - Vegetables, other	0.0	80-100	0	180	0	0	0	0	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.32	1.39	2.5	79	0.5	5.8	201	25	53	21	35	100	77	70	82	82	49	0.1	4		

Sample ID: N10	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Vegetables, other	0.3	80-100	0	140	0	0	0	0	0	0	0	0	0	0	0	0	Note: 6		
	2 - Soybean	0.0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.22	1.44	1.9	75	0.5	5.5	179	38	49	15	32	60	46	46	72	72	130	0.1	5			
Sample ID: N17	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Vegetables, other	0.0	80-100	100	50	0	0	0	0	0	0	0	0	0	0	0	0	Note: 6		
0.30 tons/acre; 3/2019	2 - Soybean	0.0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.13	1.31	3.2	82	0.6	5.9	58	85	43	26	42	38	33	33	30	30	45	0.1	3			
Sample ID: N18	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Vegetables, other	0.0	80-100	0	40	0	0	0	0	0	0	0	0	0	0	0	0	Note: 6		
0.30 tons/acre; 3/2019	2 - Soybean	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.51	1.34	3.4	74	0.9	5.7	182	91	41	19	39	72	53	53	55	55	68	0.1	3			
Sample ID: N19	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Vegetables, other	0.4	80-100	20	20	0	0	0	\$	0	0	0	\$	0	0	0	0	Note: 6		
	2 - Soybean	0.0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	Note: 3			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.13	1.35	2.9	70	0.9	5.5	105	106	35	17	38	55	43	43	24	24	54	0.1	3			

Sample ID: N25	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Vegetables, other		0.3	80-100	40	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.30 tons/acre; 3/2019	2 - Soybean		0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.18	1.34	2.9	70	0.9	5.6	89	91	33	22	44	43	36	36	30	30	40	0.1	3			
Sample ID: N26	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Vegetables, other		0.5	80-100	40	40	0	0	0	\$	0	0		0	0	0	0	0	0	Note: 6 Note: \$
	2 - Soybean		0.0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	Note: 3	
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.27	1.34	2.6	63	1.0	5.2	91	86	31	16	40	48	39	39	22	22	60	0.1	4			
Sample ID: N27	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Vegetables, other		0.5	80-100	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 6
	2 - Soybean		0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3	
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
0.46	1.42	3.0	66	1.0	5.4	131	105	34	14	38	43	36	36	32	32	49	0.1	3			
Sample ID: N28	Recommendations:		Lime		Nutrients (lb/acre)												More Information				
	Crop		(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Vegetables, other		0.4	80-100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 6
0.30 tons/acre; 3/2019	2 - Soybean		0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3	
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N	
1.61	1.31	6.1	77	1.4	5.7	147	138	48	18	64	38	33	33	40	40	80	0.1	2			

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Sample ID: N29		Recommendations:		Lime		Nutrients (lb/acre)										More Information									
		Crop		(tons/acre)		N		P2O5		K2O		Mg		S				Mn		Zn		Cu		B	
		1 - Vegetables, other		0.3		80-100		0		150		25		0				0		0		0		0	
Lime History:		2 - Soybean		0.0		0		0		70		\$		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class:		Mineral			
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N					
0.36	1.48	2.2	68	0.7	5.5	130	36	49	10	33	32	29	29	52	52	55	0.1	5							
Sample ID: N30		Recommendations:		Lime		Nutrients (lb/acre)										More Information									
		Crop		(tons/acre)		N		P2O5		K2O		Mg		S				Mn		Zn		Cu		B	
		1 - Vegetables, other		0.6		80-100		30		0		0		0				0		0		0		0	
Lime History:		2 - Soybean		0.0		0		0		0		0		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class:		Mineral			
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N					
0.13	1.34	3.0	64	1.1	5.2	95	121	29	15	38	33	30	30	30	30	54	0.1	3							
Sample ID: N31		Recommendations:		Lime		Nutrients (lb/acre)										More Information									
		Crop		(tons/acre)		N		P2O5		K2O		Mg		S				Mn		Zn		Cu		B	
		1 - Soybean		0.5		0		0		0		0		0				0		0		0		0	
Lime History:		2 - Corn, grain		0.0		120 - 160		0		0		0		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class:		Mineral			
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N					
0.36	1.37	3.3	71	1.0	5.5	119	117	38	15	33	39	33	40	51	51	64	0.1	3							
Sample ID: P01		Recommendations:		Lime		Nutrients (lb/acre)										More Information									
		Crop		(tons/acre)		N		P2O5		K2O		Mg		S				Mn		Zn		Cu		B	
		1 - Soybean		0.5		0		0		20		0		0				0		0		0		0	
Lime History:		2 - Corn, grain		0.0		120 - 160		0		20		0		0		0		0		0		0			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class:		Mineral			
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N					
0.32	1.38	2.5	64	0.9	5.3	152	65	35	16	30	49	39	46	31	31	37	0.1	4							

Sample ID: P02	Recommendations:	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Soybean	0.7	0	0	0	0	0	0	0	0	0	Note: 3
	2 - Corn, grain	0.0	120 - 160	0	0	0	0	0	0	0	0	Note: 3

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.46	1.38	3.2	63	1.2	5.2	146	104	33	13	44	65	49	56	41	41	47	0.1	3		

Sample ID: P03	Recommendations:	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Soybean	0.5	0	0	0	0	0	0	0	0	0	Note: 3
	2 - Corn, grain	0.0	120 - 160	0	0	0	0	0	0	0	0	Note: 3

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.56	1.34	3.3	68	1.0	5.5	152	98	36	17	33	60	46	53	64	64	46	0.1	3		

Sample ID: P04	Recommendations:	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Soybean	0.5	0	0	10	0	0	0	0	0	0	Note: 3
	2 - Corn, grain	0.0	120 - 160	0	10	0	0	0	0	0	0	Note: 3

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.36	1.39	2.7	66	0.9	5.4	156	77	37	15	33	61	47	54	45	45	41	0.1	4		

Sample ID: P05	Recommendations:	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Soybean	0.5	0	0	0	0	0	0	0	0	0	Note: 3
	2 - Corn, grain	0.0	120 - 160	0	0	0	0	0	0	0	0	Note: 3

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.32	1.39	3.1	68	1.0	5.4	128	103	35	16	35	53	42	49	39	39	38	0.1	3		

Sample ID: P06	Recommendations:	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Soybean	0.5	0	20	0	0	0	0	0	0	0	Note: 3
	2 - Corn, grain	0.0	120 - 160	20	0	0	0	0	0	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.27	1.22	4.9	76	1.2	5.6	51	176	36	21	58	35	31	38	28	28	30	0.1	2		

Sample ID: P08	Recommendations:	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Soybean	0.3	0	0	0	0	0	0	0	2	0	Note: 3
	2 - Corn, grain	0.0	120 - 160	0	0	0	0	0	0	\$	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.27	1.32	4.2	76	1.0	5.7	67	153	38	20	46	48	39	46	30	30	25	0.1	2		

Sample ID: P09	Recommendations:	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Soybean	0.5	0	0	0	0	0	0	0	0	0	Note: 3
	2 - Corn, grain	0.0	120 - 160	0	0	0	0	0	0	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.56	1.43	3.2	68	1.0	5.5	171	89	39	15	36	59	45	52	54	54	33	0.1	3		

Sample ID: R04	Recommendations:	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History: 0.30 tons/acre; 3/2019	1 - Vegetables, other	0.0	80-100	60	0	0	0	0	\$	0	0	Note: 6 Note: \$
	2 - Soybean	0.0	0	0	0	0	0	0	6	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.51	1.36	5.3	80	1.1	5.8	76	152	45	20	83	37	32	32	23	23	38	0.1	2		

Sample ID: S01	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Corn, grain	0.6	120 - 160	20	0	0	0	0	0	2	0	Note: 3
	2 - Soybean	0.0	0	20	0	0	0	\$pH	0	\$	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
1.19	1.20	5.3	74	1.4	5.6	52	80	45	21	52	25	32	25	44	44	18	0.1	2		

Sample ID: S02	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Corn, grain	0.0	120 - 160	10	10	0	0	0	0	2	0	Note: 3
	2 - Soybean	0.0	0	10	10	0	0	0	0	\$	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:												Soil Class: Mineral								
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
1.87	1.22	8.0	84	1.3	6.0	58	73	53	26	48	34	37	30	114	114	15	0.1	1		

Sample ID: S03	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Corn, grain	0.0	120 - 160	10	0	0	0	0	0	2	0	Note: 3
	2 - Soybean	0.0	0	10	0	0	0	0	0	\$	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
1.31	1.25	7.5	87	1.0	6.3	61	95	57	24	50	39	36	29	123	123	20	0.1	1		

Sample ID: S04	Recommendations: Crop	Lime (tons/acre)	Nutrients (lb/acre)									More Information
			N	P ₂ O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	B	
Lime History:	1 - Corn, grain	0.0	120 - 160	30	0	0	0	0	0	0	0	Note: 3
	2 - Soybean	0.0	0	30	0	0	0	0	0	0	0	

Test Results [units - W/V in g/cm ³ ; CEC and Na in meq/100 cm ³ ; NO ₃ -N in mg/dm ³]:													Soil Class: Mineral							
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO ₃ -N
1.94	1.21	7.7	79	1.6	5.9	47	87	48	26	62	26	33	26	116	116	26	0.1	1		

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Sample ID: S05		Recommendations:		Lime		Nutrients (lb/acre)										More Information																									
		Crop		(tons/acre)		N		P2O5		K2O		Mg		S				Mn		Zn		Cu		B																	
		Lime History:		1 - Corn, grain		0.7		120 - 160		0		10		0				0		0		2		0																	
				2 - Soybean		0.0		0		0		10		0		0		0		\$		0																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral																					
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
2.84		1.12		8.2		75		2.0		5.6		78		78		46		25		58		30		35		28		168		168		16		0.1		1					
Sample ID: 001		Recommendations:		Lime		Nutrients (lb/acre)										More Information																									
		Crop		(tons/acre)		N		P2O5		K2O		Mg		S				Mn		Zn		Cu		B																	
		Lime History:		1 - Soybean		0.0		0		0		0		0				0		0		0		0																	
				2 - Sweetpotato		0.0		60-90		0		0		0		0		0		0		0.0																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral																					
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
0.97		1.36		5.3		81		1.0		6.0		237		101		57		15		41		87		62		69		240		240		124		0.1		2					
Sample ID: 002		Recommendations:		Lime		Nutrients (lb/acre)										More Information																									
		Crop		(tons/acre)		N		P2O5		K2O		Mg		S				Mn		Zn		Cu		B																	
		Lime History:		1 - Soybean		0.0		0		0		0		0				0		0		0		0																	
				2 - Sweetpotato		0.0		60-90		0		0		0		0		0		0		0.0																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral																					
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
0.27		1.35		3.2		77		0.7		5.9		114		81		46		19		35		66		50		57		118		118		114		0.1		3					
Sample ID: 003		Recommendations:		Lime		Nutrients (lb/acre)										More Information																									
		Crop		(tons/acre)		N		P2O5		K2O		Mg		S				Mn		Zn		Cu		B																	
		Lime History:		1 - Soybean		0.0		0		10		0		0				0		0		0		0																	
				2 - Sweetpotato		0.0		60-90		20		0		0		0		0		0		0.0																			
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral																					
HM%		W/V		CEC		BS%		Ac		pH		P-I		K-I		Ca%		Mg%		S-I		Mn-I		Mn-AI1		Mn-AI2		Zn-I		Zn-AI		Cu-I		Na		ESP		SS-I		NO3-N	
0.22		1.23		3.6		81		0.7		5.9		60		101		46		21		60		58		45		52		83		83		112		0.1		3					

Sample ID: 004	Recommendations:		Lime		Nutrients (lb/acre)												More Information					
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B											
	Lime History:	1 - Soybean	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3
	2 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	Note: 6
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N		
0.46	1.37	3.7	78	0.8	5.9	146	109	46	18	42	72	53	60	112	112	102	0.1	3				
Sample ID: 005	Recommendations:		Lime		Nutrients (lb/acre)												More Information					
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B											
	Lime History:	1 - Soybean	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3
	2 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	Note: 6	
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N		
0.32	1.35	3.3	75	0.8	5.7	119	99	44	16	45	72	53	60	100	100	90	0.1	3				
Sample ID: 006	Recommendations:		Lime		Nutrients (lb/acre)												More Information					
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B											
	Lime History:	1 - Soybean	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3
	2 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	Note: 6	
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N		
0.32	1.39	3.5	74	0.9	5.7	130	106	43	16	46	83	60	67	65	65	90	0.1	3				
Sample ID: 007	Recommendations:		Lime		Nutrients (lb/acre)												More Information					
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B											
	Lime History:	1 - Soybean	0.0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Note: 3
	2 - Sweetpotato	0.0	60-90	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	Note: 6	
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																				Soil Class: Mineral		
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N		
0.22	1.35	3.5	78	0.8	5.9	47	102	44	20	70	46	38	45	43	43	55	0.1	3				

Sample ID: 008	Recommendations:		Lime		Nutrients (lb/acre)												More Information			
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Soybean	0.0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	Note: 6
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N
0.36	1.38	3.1	81	0.6	6.1	126	76	49	20	40	88	62	69	70	70	122	0.1	3		
Sample ID: 009	Recommendations:		Lime		Nutrients (lb/acre)												More Information			
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Soybean	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	Note: 6
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N
0.41	1.34	3.1	73	0.8	5.7	193	79	45	15	40	112	77	84	83	83	86	0.1	3		
Sample ID: 010	Recommendations:		Lime		Nutrients (lb/acre)												More Information			
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Soybean	0.0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2 - Sweetpotato	0.0	60-90	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	Note: 6
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N
0.32	1.34	4.8	85	0.7	6.2	34	111	49	24	82	42	32	39	38	38	65	0.1	2		
Sample ID: 011	Recommendations:		Lime		Nutrients (lb/acre)												More Information			
	Crop	(tons/acre)	N	P2O5	K2O	Mg	S	Mn	Zn	Cu	B									
	Lime History:	1 - Soybean	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2 - Sweetpotato	0.0	60-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	Note: 6
Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO3-N in mg/dm³]:																			Soil Class: Mineral	
HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO3-N
0.32	1.40	4.1	81	0.8	6.0	74	114	47	20	68	69	51	58	59	59	92	0.1	2		

Understanding the Soil Report: explanation of measurements, abbreviations and units**Recommendations**Lime

If testing finds that soil pH is too low for the crop(s) indicated, a **lime recommendation** will be given in units of either ton/acre or lb/1000 sq ft. For best results, mix the lime into the top 6 to 8 inches of soil several months before planting. For no-till or established plantings where this is not possible, apply no more than 1 to 1.5 ton/acre (50 lb/1000 sq ft) at one time, even if the report recommends more. You can apply the rest in similar increments every six months until the full rate is applied. If MG is recommended and lime is needed, use dolomitic lime.

Fertilizer

Recommendations **for field crops or other large areas** are listed separately for each nutrient to be added (in units of lb/acre unless otherwise specified). Recommendations for N (and sometimes for B) are based on research/field studies for the crop being grown, not on soil test results. K-I and P-I values are based on test results and should be > 50. If they are not, follow the fertilizer recommendations given. If Mg is needed and no lime is recommended, 0-0-22 (11.5% Mg) is an excellent source; 175 to 250 lb per acre alone or in a fertilizer blend will usually satisfy crop needs, SS-I levels appear only on reports for greenhouse soil or problem samples.

Farmers and other commercial producers should pay special attention to **micronutrient levels**. If \$, pH\$, \$pH, C or Z notations appear on the soil report, refer to [\\$Note: Secondary Nutrients and Micronutrients](#). In general, homeowners do not need to be concerned about micronutrients. Various crop notes also address lime fertilizer needs; visit ncagr.gov/agronomi/pubs.htm.

Recommendations **for small areas, such as home lawns/gardens**, are listed in units of lb/1000 sq ft. If you cannot find the exact fertilizer grade recommended on the report, visit www.ncagr.gov/agronomi/obpart4.htm to find information that may help you choose a comparable alternate. For more information, read [A Homeowner's Guide to Fertilizer](#).

Test Results

The first seven values [soil class, HM%, W/V, CEC, BS%, Ac and pH] describe the soil and its degree of acidity. The remaining 16 [P-I, K-I, Ca%, Mg%, Mn-I, Mn-AI1, Mn-AI2, Zn-I, Zn-AI, Cu-I, S-I, SS-I, Na, ESP, SS-I, NO3-N (not routinely available)] indicate levels of plant nutrients or other fertility measurement. Visit www.ncagr.gov/agronomi/uyrst.htm

Report Abbreviations

Ac	exchangeable acidity
B	boron
BS%	% CEC occupied by basic cations
Ca%	% CEC occupied by calcium
CEC	cation exchange capacity
Cu-I	copper index
ESP	exchangeable sodium percent
HM%	percent humic matter
K-I	potassium index
K2O	potash
Mg%	% CEC occupied by magnesium
MIN	mineral soil class
Mn	manganese
Mn-AI1	Mn-availability index for crop 1
Mn-AI2	Mn-availability index for crop 2
Mn-I	manganese index
M-O	mineral-organic soil class
N	nitrogen
Na	sodium
NO3-N	nitrate nitrogen
ORG	organic soil class
pH	current soil pH
P-I	phosphorus index
P2O5	phosphate
S-I	sulfur index
SS-I	soluble salt index
W/V	weight per volume
Zn-AI	zinc availability index
Zn-I	zinc index