NCDA&CS Agronomic Division Phone: (919) 733-2655 Website: www.ncagr.gov/agronomi/ Report No. FY20-SL022703



Internal

Soil Report

Mehlich-3 Extraction

Client: Horticultural Crops Research Station /

Clinton

2450 Faison Hwy Clinton, NC 28328

Sampled	VIIE 0 1611	r Ri	Links to		nformation		/28/2020	Farm:		(Si Client ID:	ampled Co 40304	ounty : Sar 7	mpson		Adviso	or ID:			
Sample	ID: R0)1	Reco	mmend			Lime					Nutri	ents (lb/ac	re)					Mor	·е
			Crop				s/acre)	N	P20	D 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	-
Lime Hi	istory:		1 - V	egetable	s, other		0.4	80-100) 14	0	0	0	0	0	0	0	0		Note: 6	
			2 - S	weetpota	ito		0.0	60-90	70)	0	0	0	0	0	0	0.0		<u>Note: 6</u>	
Test Re	sults [uɪ	nits - W/V	in g/cm ³	; CEC ar	ıd Na in m	eq/100 c	:m³; NO₃-l	N in mg/d	lm³]:				Soil Class	: Mine	ral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESF	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	2	· ·	mmend	ations:		Lime						ents (lb/ac	re)				Т	Moi	·e
-			Crop)		(ton	s/acre)	N	P20	D 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime Hi	istory:		1 - V	egetable	s, other		0.0	80-100	10	0	0	0	0	0	0	0	0		Note: 6	
0.30 ton	ns/acre; 3	3/2019	2 - S	weetpota	nto		0.0	60-90	20	1	0	0	0	0	0	0	0.0	、 l	NI-4 0	
							0.0	00 00		,	U	U	U	U	U	U	0.0	,	Note: 6	
Test Re	sults [uɪ	nits - W/V		•	ıd Na in m	eq/100 c				<u>, </u>			Soil Class			0	0.0	<u> </u>	Note: 6	
Test Res	_	nits - W/V CEC		•		eq/100 c				S-I	Mn-l		Soil Class			Cu-l	Na	ESP		NO3-N
	_		in g/cm ³	; CEC ar	ıd Na in m	-	cm³; NO₃-l	N in mg/d	lm³]:		<u> </u>		Soil Class	s: Mine	ral					NO3-N
HM% 0.60	W/V 1.27	CEC 6.3	in g/cm ³ ; BS%	; CEC an	nd Na in m pH 5.8	P-I 56	cm³; NO3-l K-l	N in mg/d Ca%	lm³]: Mg%	S-I	Mn-l	Mn-Al1 37	Soil Class	zn-l 56	ral Zn-Al	Cu-l	Na	ESF		
HM% 0.60	W/V 1.27	CEC 6.3	in g/cm ³ ; BS%	CEC an	nd Na in m pH 5.8	P-I 56	:m ³ ; NO3-l K-l 133	N in mg/d Ca%	lm³]: Mg%	S-I 58	Mn-l	Mn-Al1 37	Soil Class Mn-Al2 44	zn-l 56	ral Zn-Al	Cu-l	Na	ESF 2	SS-I	е
HM% 0.60	W/V 1.27 ID: R0	CEC 6.3	BS% 81 Reco	CEC an	pH 5.8 ations:	P-I 56	cm ³ ; NO3-l K-l 133 Lime	N in mg/d Ca% 53	lm³]: Mg% 18	S-I 58	Mn-I 45	Mn-Al1 37 Nutri	Soil Class Mn-Al2 44 ents (lb/ac	Zn-I 56 re)	ral Zn-Al 56	Cu-l 52	Na 0.1	ESF 2	SS-I Mor	е
HM% 0.60 Sample Lime His	W/V 1.27 ID: R0	6.3 03	BS% 81 Reco	CEC and Ac 1.2 commend	pH 5.8 ations:	P-I 56	K-I 133 Lime as/acre)	N in mg/d Ca% 53	lm³]: Mg% 18	S-I 58 O 5	Mn-I 45 K ₂ O	Mn-Al1 37 Nutrio	Soil Class Mn-Al2 44 ents (lb/ac	56 re) Mn	zn-Al 56 Zn	Cu-l 52	Na 0.1	ESF 2	SS-I Moi Informat	е
HM% 0.60 Sample Lime His 0.40 ton	W/V 1.27 ID: R0 istory:	6.3 03 3/2019	81 Reco Crop 1 - V 2 - S	Ac 1.2 commend egetable weetpota	pH 5.8 ations:	P-I 56 I (ton	K-I 133 Lime s/acre) 0.0 0.0	N in mg/d Ca% 53 N 80-100 60-90	Mg% 18 P20	S-I 58 O 5	Mn-I 45 K2O 0	Mn-Al1 37 Nutrio Mg 0 0	Soil Class Mn-Al2 44 ents (lb/ac S 0	56 re) Mn 0 0	Zn-Al 56 Zn 0 0	Cu-I 52 Cu 0	Na 0.1 B 0	ESF 2	SS-I Moi Informat Note: 6	е
HM% 0.60 Sample Lime His 0.40 ton	W/V 1.27 ID: R0 istory: as/acre; 3	6.3 03 3/2019	81 Reco Crop 1 - V 2 - S	Ac 1.2 commend egetable weetpota	pH 5.8 ations: s, other	P-I 56 I (ton	K-I 133 Lime s/acre) 0.0 0.0	N in mg/d Ca% 53 N 80-100 60-90	Mg% 18 P20	S-I 58 O 5	Mn-I 45 K2O 0	Mn-Al1 37 Nutrio Mg 0 0	Soil Class Mn-Al2 44 ents (lb/ac S 0 0	56 re) Mn 0 0	Zn-Al 56 Zn 0 0	Cu-I 52 Cu 0	Na 0.1 B 0	ESF 2	Morinformat Note: 6 Note: 6	е



Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.

Advisor:

NCDA&	CS Agro	nomic D	ivision	Pł	one: (91	9) 733-20	655	Webs	site: ww	w.ncag	ır.gov/agr	onomi/				R	Report No). F	Y20-SL0	22703
																			Page 2	2 of 27
Sample	ID: RC)6	Reco	mmenda	tions:		_ime					Nutrie	ents (lb/ac	re)					Mo	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetables	s, other		0.3	80-10	0 9	0	20	0	0	0	0	0	0		Note: 6	
			2 - S	weetpota	to		0.0	60-90) 2	0	0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	in g/cm ³	; CEC an	d Na in m	neq/100 d	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	ral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	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	mple ID: R07 Recommendations					I	_ime					Nutrie	ents (lb/ac	re)					Mo	re
	Crop					(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetables	s, other		0.0	80-10	0 12	20	0	0	0	0	0	0	0		Note: 6	
0.50 tons	s/acre; 3	3/2019	2 - S	weetpota	to		0.0	60-90) 5	0	0	0	0	0	0	0	0.0)	Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in m	neq/100 d	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	ral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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 : R0	8	Reco	mmenda	tions:		ime					Nutrie	ents (lb/ac	re)					Mo	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetables	s, other		0.0	80-10	0 15	50	0	0	0	0	0	0	0		Note: 6	
			2 - S	weetpota	to		0.0	60-90) 8	0	0	0	0	0	0	0	0.0)	Note: 6	
Test Res	sults [ur	nits - W/V	in g/cm ³	; CEC an	d Na in m	neq/100 d	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	ral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-l	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-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 : R0	9	Reco	mmenda	ations:		_ime					Nutrie	ents (lb/ac	re)					Mo	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetables	s, other		0.0	80-10	0 11	0	0	0	0	0	0	0	0		Note: 6	
	_		2 - S	weetpota	to		0.0	60-90) 3	0	0	0	0	0	0	0	0.0)	Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm ³]:			· · · · · ·	Soil Class	: Mine	ral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-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		
0.00	1.41	,		1.4	0.0		100		- '	.00	0 1		0,	0.	01		U. 1			

NCDA&	CS Agro	nomic D	ivision	PI	none: (91	19) 733-20	655	Web	site: ww	w.ncag	gr.gov/agr	onomi/				R	Report No). F	Y20-SL0	22703
																			Page	3 of 27
Sample	ID : R1	2	Reco	ommend	ations:		Lime					Nutri	ents (lb/ac	re)					Моі	re
			Crop)		(ton	s/acre)	N	P ₂	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	storv:		1 _{1 -} C	orn, graii	า	-	0.0	120 - 1	60 0		0	0	0	0	0	0	0		Note: 3	
			2 - V	egetable	s, other		0.0	80-10	0 8	0	10	0	0	0	0	0	0		Note: 6	
Test Res	sults [uɪ	nits - W/V	/ in g/cm³	; CEC an	d Na in n	neq/100 c	:m³; NO₃	·N in mg/	/dm ³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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 : R1						_ime					Nutri	ents (lb/ac	re)					Moi	re
		Crop (tons/acre					s/acre)	N	P ₂	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1-C	orn, graii	า		0.0	120 - 1	60 0		0	0	0	0	0	0	0		Note: 3	
	-		2 - V	egetable	s, other		0.0	80-10	0 7	0	20	0	0	0	0	0	0		Note: 6	
Test Res	sults [uɪ	nits - W/V	/ in g/cm³	; CEC an	d Na in n	neq/100 d	:m³; NO₃-	·N in mg/	/dm ³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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 : R1	6	Reco	ommend	ations:		Lime					Nutri	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - C	orn, graii	า		0.0	120 - 1	60 0		0	0	0	0	0	0	0		Note: 3	
			2 - V	egetable	s, other		0.0	80-10	0 0)	0	0	0	0	0	0	0		Note: 6	
Test Res	sults [uɪ	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 d	:m³; NO₃-	·N in mg/	/dm ³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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 : R1	9	Reco	ommend	ations:		_ime					Nutri	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1-C	orn, graii	า		0.0	120 - 1	60 0		0	0	0	0	0	0	0		Note: 3	
0.30 ton	s/acre; 3	3/2019	2 - V	egetable	s, other		0.0	80-10	0 0)	0	0	0	0	0	0	0		Note: 6	
Test Res	sults [uɪ	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃	·N in mg/	/dm³]:				Soil Class	s: Mine	eral-Organ	iic				
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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		
						-			-						-		-			

NCDA&	CS Agro	nomic D	ivision	Pł	none: (91	19) 733-20	655	Web	site: ww	w.ncag	ır.gov/agr	onomi/				R	Report No). F	Y20-SL0	22703
																			Page 4	4 of 27
Sample	ID: R2	0	Reco	ommenda	ations:	I	Lime					Nutri	ents (lb/ac	re)					Mo	·e
			Crop)		(ton	s/acre)	N	P ₂	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:			orn, grair	ı	,	0.0	120 - 1			0	0	0	0	0	0	0		Note: 3	
				egetables			0.0	80-10	0 1	0	0	0	0	0	0	0	0		Note: 6	
Test Re	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	·N in mg/	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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	ole ID: R21 Recommendations					I	Lime					Nutri	ents (lb/ac	re)					Mo	e.
	Crop					(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	""				to		0.5	60-90) ()	0	0	0	0	0	0	0.5	;	Note: 6	
			2 - C	orn, grair	1		0.0	120 - 1	60 ()	0	0	0	0	0	0	0		Note: 3	
Test Re	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in m	neq/100 d	:m³; NO₃	·N in mg/	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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 : R2	2	Reco	ommenda	ations:		Lime					Nutri	ents (lb/ac	re)					Mo	·e
			Crop)		(ton	s/acre)	N	P ₂	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - S	weetpota	to		0.0	60-90) ()	0	0	0	0	0	0	0.5	:	Note: 6	
			2 - C	orn, grair	1		0.0	120 - 1	60 ()	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 d	:m³; NO₃-	·N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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 : K0	4	Reco	ommenda	ations:		_ime					Nutri	ents (lb/ac	re)					Moi	·e
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - S	weetpota	to		0.0	60-90) ()	0	0	0	0	0	0	0.5	;	Note: 6	
			2 - V	egetables	s, other		0.0	80-10	0 6	0	20	0	0	0	0	0	0		<u>Note: 6</u>	
Test Re	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	:m³; NO₃	·N in mg/	dm³]:			<u> </u>	Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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		
		.			V.V	• •						• •	<u> </u>			<u> </u>				

NCDA&0	CS Agro	nomic D	ivision	Pl	hone: (91	9) 733-20	655	Webs	site: ww	w.nca	gr.gov/agr	onomi/				R	Report No	. F	Y20-SL0	22703
																			Page	5 of 27
Sample	ID: K0	5	Reco	ommend	ations:		Lime					Nutrie	ents (lb/ac	re)					Mo	re
			Crop)		(ton	ıs/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - S	weetpota	ito		0.0	60-90) ()	0	0	0	0	0	0	0.5		Note: 6	
			2 - V	egetable	s, other		0.0	80-10	0 ()	10	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	its - W/V	/ in g/cm³	; CEC an	nd Na in n	neq/100 c	cm³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	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
0.41					6.1	147	116	53	15	52	98	74	67	87	87	161	0.2	5		
Sample	D: K06 Recommendations						Lime					Nutri	ents (lb/ac	re)					Mo	re
	Crop					(ton	ıs/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	·						0.0	60-90) ()	0	0	0	0	0	0	0.5		Note: 6	
			2 - V	egetable	s, other		0.0	80-10	0 ()	60	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	its - W/V	' in g/cm ³	; CEC an	ıd Na in n	neq/100 d	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	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	1.36	3.9	81	8.0	6.0	249	78	59	12	50	122	90	83	121	121	148	0.2	5		
Sample	ID : K0	7	Reco	ommend	ations:		Lime					Nutri	ents (lb/ac	re)					Mo	re
			Crop)		(ton	ıs/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - S	weetpota	ito		0.0	60-90) ()	30	0	0	0	0	0	0.5		Note: 6	
			2 - V	egetable	s, other		0.0	80-10	0 ()	90	0	0	0	0	0	0		Note: 6	
Test Res	sults [un	its - W/V	' in g/cm ³	; CEC an	ıd Na in n	neq/100 d	cm³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	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: K0	8	Reco	ommend	ations:		Lime					Nutri	ents (lb/ac	re)					Mo	re
			Crop)		(ton	ıs/acre) ¯	N	P2	O5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - S	weetpota	ito		0.0	60-90) ()	0	0	0	0	0	0	0.5		Note: 6	
	-		2 - V	egetable	s, other		0.0	80-10	0 ()	70	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	in g/cm ³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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		
·		•••	. •	V.V	· · · ·			<u> </u>	• • •		• •	<u> </u>	<u> </u>				.			

NCDA&	CS Agro	nomic D	ivision	hone: (91	9) 733-20	655	Webs	site: ww	w.ncag	gr.gov/agr	onomi/				R	Report No). F	Y20-SL0	22703	
																			Page	6 of 27
Sample	ID : K0	9	Reco	ommend	ations:	I	_ime					Nutri	ents (lb/ac	re)					Мо	re
			Crop	p		(ton	s/acre)	N	P20	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1-S	weetpota	ato		0.0	60-90) 20)	0	0	0	0	0	0	0.5		Note: 6	
			2 - V	'egetable	s, other		0.0	80-10	0 10	00	20	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm³	; CEC an	nd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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: K1	3	Reco	ommend	ations:		_ime					Nutri	ents (lb/ac	re)					Мо	re
			Crop	p		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - V	'egetable	s, other		0.0	80-10	0 0)	60	0	0	0	0	0	0		Note: 6	
			2 - S	weetpota	ato		0.0	60-90) ()	0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm³	; CEC an	nd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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: K1	4	Reco	ommend	ations:		_ime					Nutri	ents (lb/ac	re)					Мо	re
			Crop	р		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - V	egetable/	s, other		0.0	80-10	0 0)	60	0	0	0	0	0	0		Note: 6	
			2 - S	weetpota	ato		0.0	60-90) ()	0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm³	; CEC an	nd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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: K1	5	Reco	ommend	ations:	l l	_ime					Nutri	ents (lb/ac	re)					Мо	re
			Crop	p		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - V	egetable/	s, other		0.0	80-10	0 0)	70	0	0	0	0	0	0		Note: 6	
			2 - S	weetpota	ato		0.0	60-90) ()	0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	nd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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		
0.00					V.V							·								

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																			Page	7 of 27
Sample	ID: K1	6	Reco	mmenda	ations:	L	_ime					Nutrie	ents (lb/ac	re)					Моі	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetables	s, other		0.0	80-10	0 10	0	40	0	0	0	0	0	0		Note: 6	
			2 - S	weetpota	ito		0.0	60-90) ()	0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -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	nple ID: K17 Recommendations						_ime					Nutrie	ents (lb/ac	re)					Моі	re
	Crop					(ton	s/acre)	N	P2		K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetables	s, other		0.0	80-10	0 50	0	40	0	0	0	0	0	0		Note: 6	
			2 - S	weetpota	ito		0.0	60-90) ()	0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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: K1	8	Reco	mmenda	ations:	L	_ime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P2	O5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetables	s, other		0.0	80-10	0 13	80	70	0	0	0	0	0	0		Note: 6	
	-		2 - S	weetpota	ito		0.0	60-90) 5	0	10	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	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
0.22	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: K2	2	Reco	mmenda	ations:	L	_ime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetables	s, other		0.0	80-10	0 0)	110	0	0	0	0	0	0		Note: 6	
			2 - S	weetpota	ito		0.0	60-90) ()	60	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	∕ in g/cm³	; CEC an	ıd Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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		
0.00	1.11	1.4	0 1	0.7	J. 1	210			.0		110	, ,			02	, 0	J. 1			

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																			Page	8 of 27
Sample	ID: K2	3	Reco	ommenda	ations:	L	ime					Nutrie	ents (lb/ac	re)					Mo	re
			Crop)		(ton	s/acre)	N	P20	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - V	egetable	s, other		0.3	80-10	0 0		120	0	0	0	0	0	0		Note: 6	
			2 - S	weetpota	ito		0.0	60-90) ()	70	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-N
0.51	1.41	3.4	75	8.0	5.7	226	46	53	16	39	102	71	78	87	87	95	0.1	3		
Sample	pple ID: K24 Recommendations						ime					Nutrie	ents (lb/ac	re)					Mo	re
	Crop					(ton	s/acre)	N	P26	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - V	egetable	s, other		0.3	80-10	0 0		160	0	0	0	0	0	0		Note: 6	
			2-S	weetpota	ito		0.0	60-90) C)	120	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-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: K2	5	Reco	ommenda	ations:		ime					Nutrie	ents (lb/ac	re)					Mo	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - V	egetable	s, other		0.0	80-10	0 10	0	40	0	0	0	0	0	0		Note: 6	
			2 - S	weetpota	ito		0.0	60-90	2	0	0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	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
0.13	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: K2	6	Reco	ommenda	ations:	L	_ime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P20	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - V	egetable	s, other		0.0	80-10	0 0		40	0	0	0	0	0	0		Note: 6	
	_		2 - S	weetpota	ito		0.0	60-90) ()	0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-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		
0.7 1	1.07	0.0	U I	1.0	0.0	170	00	00	10	73	101	, ,	7.0	02	02	00	J. <u>Z</u>	7		

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																			Page	9 of 27
Sample	ID: K2	7	Reco	ommend	ations:	L	ime					Nutri	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	storv:		1 _{1 - V}	egetable	s, other		0.0	80-10	0 0)	40	0	0	0	0	0	0		Note: 6	
			2-S	weetpota	ito		0.0	60-90) C)	0	0	0	0	0	0	0.0		Note: 6	
Test Re	sults [uɪ	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -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 : 01	2	Reco	ommend	ations:	L	ime					Nutri	ents (lb/ac	re)					Moi	re
		Crop					s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - S	oybean			0.0	0	0)	10	0	0	0	0	0	0		Note: 3	
0.30 ton	s/acre; 3	3/2019	2 - S	weetpota	ito		0.0	60-90) ()	0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [uɪ	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 c	:m ³ ; NO3-	N in mg/	dm³]:				Soil Class	s: Mine	eral					
HM%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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 : 01	3	Reco	ommend	ations:		_ime					Nutrie	ents (lb/ac	re)					Moi	re
-			Crop)		(ton	s/acre)	N	P20	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	storv:			oybean		•	0.0	0	50		0	0	0	0	0	0	0		Note: 3	
				weetpota	ito		0.0	60-90			0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [uɪ	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-l	Zn-Al	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 : 01	4	Reco	ommend	ations:	L	ime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	storv:		1 - S	oybean			0.0	0	0)	0	0	0	0	0	0	0		Note: 3	
	•		2-S	weetpota	ito		0.0	60-90) ()	0	0	0	0	0	0	0.0		Note: 6	
Test Re	sults [uɪ	nits - W/V	/ in g/cm ³	; CEC an	nd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	s: Mine	eral			-		
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-l	Zn-Al	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		
0.00					V.V							· -					-			

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																			Page	10 of 27
Sample II	I D : 015		Reco	mmend	ations:	L	.ime					Nutrie	ents (lb/ac	re)					Мо	re
			Crop)		(ton	s/acre) ¯	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime Hist	story:		1 - S	oybean			0.0	0	0)	0	0	0	0	0	0	0		Note: 3	
			2 - S	weetpota	ito		0.0	60-90	0)	0	0	0	0	0	0	0.0		Note: 6	
Test Res	ults [un	its - W/V	in g/cm ³	; CEC an	ıd Na in n	neq/100 c	m³; NO₃-	N in mg/	dm³]:			;	Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-l
0.60	1.37	4.1	80	8.0	5.8	144	89	53	16	55	62	47	54	82	82	96	0.1	2		
Sample II	I D : 016		Reco	mmend	ations:	_	ime _					Nutrie	ents (lb/ac	re)					Моі	re
	Crop 1 - Soybean					(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime Hist	story:			•			0.3	0	0)	0	0	0	0	0	0	0		Note: 3	
			2 - S	weetpota	ito		0.0	60-90	0)	0	0	0	0	0	0	0.0		Note: 6	
Test Res	ults [un	its - W/V	in g/cm ³	; CEC an	d Na in n	neq/100 c	m³; NO₃-	N in mg/	dm³]:			;	Soil Class	: Mine	eral					
HM%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	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 II	I D : 017		Reco	mmend	ations:	L	.ime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre) ¯	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime Hist	story:		1 - S	oybean			0.3	0	0)	0	0	0	0	0	0	0		Note: 3	
	-		2 - S	weetpota	ito		0.0	60-90	0)	0	0	0	0	0	0	0.0		Note: 6	
Test Res	ults [un	its - W/V	in g/cm ³	; CEC an	ıd Na in n	neq/100 c	m³; NO₃-	N in mg/	dm³]:			;	Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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 II	I D : 018		Reco	mmend	ations:		ime _					Nutrie	ents (lb/ac	re)					Moi	re
			Crop			(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime Hist	story:			oybean			0.3	0	0		0	0	0	0	0	0	0		Note: 3	
			2 - S	weetpota	ito		0.0	60-90	0)	0	0	0	0	0	0	0.0		Note: 6	
Test Res	ults [un	its - W/V	in g/cm ³	neq/100 c	m³; NO₃-	N in mg/	dm³]:			:	Soil Class	: Mine	eral							
HM%	W/V	CEC	BS%	Ac	рН	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
	1.30	4.0	80	0.8	5.6	132	112	51	15	34	45	37	44	56	56	58	0.1	3		

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																			Page '	11 of 27
Sample	I D: n33	3	Reco	ommend	ations:	L	_ime					Nutrie	ents (lb/ac	re)					Mor	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetable	s, other		0.4	80-10	0 30	0	50	0	0	0	0	0	0		Note: 6	
			2 - S	oybean			0.0	0	C)	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [un	nits - W/V	' in g/cm ³	; CEC an	nd Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -N
0.92	1.42	3.2	74	8.0	5.5	96	82	45	16	34	28	27	27	59	59	51	0.1	3		
Sample	I D : N3						_ime					Nutrie	ents (lb/ac	re)					Mor	re
	Crop					(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	History: 1 - Vegeta 2 - Soybea				s, other		0.4	80-10	0 10	0	30	0	0	0	0	0	0		Note: 6	
			2 - S	oybean			0.0	0	C)	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [un	nits - W/V	' in g/cm ³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	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	I D : A02	2	Reco	ommend	ations:	L	ime					Nutrie	ents (lb/ac	re)					Mor	re
			Crop)		(ton	s/acre)	N	P20	O5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1-S	weetpota	ito		0.0	60-90	0)	20	0	0	0	0	0	0.5		Note: 6	
			2 - V	egetable	s, other		0.0	80-10	0 0)	80	0	0	0	0	0	0		Note: 6	
Test Res	sults [un	its - W/V	' in g/cm ³	; CEC an	ıd Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-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	I D : A03	3	Reco	ommend	ations:	L	_ime					Nutrie	ents (lb/ac	re)					Mor	re
			Crop			(ton	s/acre)	N	P26	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:			orn, graii			0.0	120 - 1)	30	0	0	0	0	0	0		Note: 3	
			2 - V	egetable	s, other		0.0	80-10	0 0)	90	0	0	0	0	0	0		Note: 6	
Test Res	est Results [units - W/V in g/cm³; CEC and Na in meq/100							N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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		
0.21		0		٠.١	0.0		٠,	٠.		- ' '					• • •		V. _			

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																			Page ²	12 of 27
Sample	ID : A0	4	Reco	mmenda	ations:	I	ime					Nutrie	ents (lb/ac	re)					Mor	re
			Crop)		(ton	s/acre)	N	P ₂	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:			orn, grain	1	,	0.0	120 - 1			50	0	0	0	0	0	0		Note: 3	
0.30 ton	•	3/2019		egetables			0.0	80-10	0 ()	130	0	0	0	0	0	0		Note: 6	
Test Res	sults fur	nits - W/V	in g/cm ³			nea/100 c	:m ³ : NO3-	N in ma/	dm ³ 1:				Soil Class	: Mine	ral			•		
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l		Mn-Al2	Zn-I	Zn-Al	Cu-l	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	nple ID: A05 Recommend				ations:	l	_ime	-			-	Nutrie	ents (lb/ac	re)		-	-		Mor	re
			Crop				s/acre)	N	P ₂	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	
Lime His	story:			orn, grain	1	•	0.0	120 - 1			60	0	0	0	0	0	0		Note: 3	
	•	3/2019	1				0.0	80-10	0 ()	140	0	0	0	0	0	0		Note: 6	
	tons/acre; 3/2019 2 - Vegetables, c Results [units - W/V in g/cm³; CEC and I % W/V CEC BS% Ac					-		_	_				Soil Class							
HM%	W/V	CEC	BS%	AC	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -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 : A0	7	Reco	mmenda	ations:		_ime					Nutrie	ents (lb/ac	re)					Mor	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - C	orn, grain	1		0.0	120 - 1	60 C)	40	0	0	0	0	0	0		Note: 3	
			2 - V	egetables	s, other		0.0	80-10	0 ()	110	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	in g/cm ³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	ral					
НМ%	W/V	CEC	BS%	Ac	рН	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	2.0	86	0.3	5.9	199	49	55	18	44	67	57	50	109	109	93	0.2	10		
Sample	ID : A0	8	Reco	mmenda	ations:	I	_ime					Nutrie	ents (lb/ac	re)					Mor	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - C	orn, grain	1		0.0	120 - 1	60 0)	20	0	0	0	0	0	0		Note: 3	
			2 - V	egetables	s, other		0.0	80-10	0 ()	80	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	ral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -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		
0.21	1. 1 1	2.0	<u> </u>	U. 1	0.0	1.10	0,	10		.0		٠.		, 0	, 0		J.2			

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																			Page	13 of 27
Sample	ID : A0	9	Reco	ommend	ations:	L	ime					Nutri	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - C	orn, graii	ı		0.3	120 - 1	60 0)	40	0	0	0	0	0	0		Note: 3	
			2 - V	egetable	s, other		0.0	80-10	0 0)	110	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	m³; NO₃-	N in mg/	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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: A1	: A13 Recommendations: Lime										Nutri	ents (lb/ac	re)					Moi	re
		Crop (tons/acre				•	N	P26	O5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion	
Lime His	story:		1 - V	egetable	s, other		0.0	80-10	0 0)	130	0	0	0	0	0	0		Note: 6	
			2 - S	oybean			0.0	0	C)	50	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	' in g/cm³	; CEC an	d Na in n	neq/100 c	m³; NO₃-	N in mg/	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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 : N0	7	Reco	ommend	ations:	L	ime					Nutri	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - S	weetpota	ito		0.3	60-90) 0)	0	0	0	0	0	0	0.5		Note: 6	
			2 - S	oybean			0.0	0	C)	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	' in g/cm³	; CEC an	d Na in n	neq/100 c	m³; NO₃-	N in mg/	dm³]:				Soil Class	s: Mine	eral					
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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: N1	3	Reco	ommend	ations:	L	ime					Nutri	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - S	weetpota	ito		0.0	60-90) 0)	0	0	0	0	0	0	0.5		Note: 6	
			2 - V	egetable	s, other		0.0	80-10	0 C)	50	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	m³; NO₃-	N in mg/	dm³]:				Soil Class	s: Mine	eral					
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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		

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																			Page '	14 of 27
Sample	ID: N1	4	Reco	ommenda	ations:	L	ime					Nutrie	ents (lb/ac	re)					Mor	re
			Crop)		(ton	s/acre)	N	P2	O5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - S	weetpota	ito		0.0	60-90) ()	0	0	0	0	0	0	0.5		Note: 6	
0.30 ton	s/acre; 3	3/2019	2 - V	egetable	s, other		0.0	80-10	0 ()	50	0	0	0	0	0	0		Note: 6	
Test Re	sults [uɪ	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -
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	e ID: N15 Recommendations:		L	_ime					Nutrie	ents (lb/ac	re)					Mor	re			
	Crop (to		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion			
Lime His	story:		1 - S	weetpota	ito		0.0	60-90)	0	0	0	0	0	0	0.5		Note: 6	
0.30 ton	s/acre; 3	3/2019	2 - V	egetable	s, other		0.0	80-10	0 ()	40	0	0	0	0	0	0		Note: 6	
Test Re	sults [uɪ	nits - W/V	' in g/cm ³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -
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: N2	:0	Reco	ommend	ations:	L	ime					Nutrie	ents (lb/ac	re)					Mor	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1-S	oybean			0.0	0	3	0	0	0	0	0	0	0	0		Note: 3	
			2 - V	egetable	s, other		0.0	80-10	0 12	20	0	0	0	0	0	0	0		Note: 6	
Test Re	sults [uɪ	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -
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 : N2	:1	Reco	ommend	ations:		_ime					Nutrie	ents (lb/ac	re)					Mor	re
			Crop			(ton	s/acre)	N	P2		K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:			oybean			0.0	0	4		0	0	0	0	0	0	0		Note: 3	
0.30 ton	s/acre; 3	3/2019	2 - V	egetable	s, other		0.0	80-10	0 13	30	0	0	0	0	0	0	0		Note: 6	
Test Re	st Results [units - W/V in g/cm³; CEC and Na in meq/100 o						:m³; NO₃-	N in mg/	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -
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		
0				0.0													J. <u> </u>			

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																			Page	15 of 27
Sample	ID: N2	2	Reco	mmenda	ations:	ı	Lime					Nutri	ents (lb/ac	re)					Mo	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - S	oybean			0.0	0	1	0	0	0	0	0	0	0	0		Note: 3	
			2 - V	egetables	s, other		0.0	80-10	0 9	0	30	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	d Na in n	neq/100 d	cm³; NO3-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -N
0.56	1.28	4.5	83	8.0	5.8	61	96	50	22	72	32	29	29	31	31	61	0.2	4		
Sample	ID : F02	2	Reco	mmenda	ations:		Lime					Nutri	ents (lb/ac	re)					Moi	re
)		(ton	is/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	_ · · · · · · · · · · · · · · · · · · ·			0.0	0	C)	80	0	0	0	0	0	0		Note: 3				
			2 - V	egetables	s, other		0.0	80-10	0 ()	160	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral						
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-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 : F0	3	Reco	mmenda	ations:		Lime					Nutri	ents (lb/ac	re)					Moi	re
			Crop)		(ton	ıs/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - S	oybean			0.3	0	C)	70	0	0	0	0	0	0		Note: 3	
			2 - V	egetables	s, other		0.0	80-10	0 ()	160	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 d	cm³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	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
0.18	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	4	Reco	mmenda	ations:		Lime					Nutri	ents (lb/ac	re)					Moi	re
			Crop)		(ton	ıs/acre) ¯	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - S	oybean			0.3	0	C)	80	0	0	0	0	0	0		Note: 3	
			2 - V	egetables	s, other		0.0	80-10	0 ()	160	0	0	0	0	0	0		Note: 6	
Test Res	esults [units - W/V in g/cm³; CEC and Na in meq/100 cm³; N							N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-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		
	···-		• • •	0.0	0.0		٠.										U			

NCDA&	CS Agro	nomic D	ivision	PI	none: (91	19) 733-26	355	Webs	site: ww	w.ncag	ır.gov/agr	onomi/				R	Report No). F	Y20-SL0	22703
																			Page	16 of 27
Sample	ID: F0	7	Reco	ommend	ations:	L	ime					Nutri	ents (lb/ac	re)					Mo	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1-S	oybean			0.3	0	0		80	25	0	0	0	0	0		Note: 3	
			2 - V	egetable	s, other		0.0	80-10	0 C)	170	\$	0	0	0	0	0		Note: 6	Note: \$
Test Re	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	m³; NO3-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-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 : F0	8	Reco	ommend	ations:		ime					Nutri	ents (lb/ac	re)					Moi	re
			Crop			(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1-S	oybean			0.3	0	0		90	0	0	0	0	0	0		Note: 3	
			2 - V	egetable	s, other		0.0	80-10	0 1	0	180	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm³	; CEC an	ıd Na in n	neq/100 c	m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
HM%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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 : F0	9	Reco	ommenda	ations:		ime					Nutri	ents (lb/ac	re)					Mo	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1-S	oybean			0.3	0	0		80	0	0	0	0	0	0		Note: 3	
			2 - V	egetable	s, other		0.0	80-10	0 C)	160	0	0	0	0	0	0		Note: 6	
Test Re	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	m³; NO3-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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: F1	0	Reco	ommend	ations:	L	ime					Nutri	ents (lb/ac	re)					Mo	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - V	egetable	s, other		0.0	80-10	0 0		20	0	0	0	0	0	0		Note: 6	
0.30 ton	s/acre; 3	3/2019	2 - S	oybean			0.0	0	C)	0	0	0	0	0	0	0		Note: 3	
Test Re	sults [ur	nits - W/V	' in g/cm ³	; CEC an	ıd Na in n	neq/100 c	m ³ ; NO ₃ -	N in mg/	dm ³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-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		

NCDA&0	CS Agro	nomic D	ivision	PI	none: (91	9) 733-26	355	Web	site: ww	w.ncag	ır.gov/agr	onomi/				R	Report No). F	Y20-SL0	22703
																			Page	17 of 27
Sample	ID: F1	1	Reco	ommenda	ations:	L	ime					Nutrie	ents (lb/ac	re)					Моі	·e
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetable	s, other		0.0	80-10	0 0)	90	0	0	0	0	0	0		Note: 6	
			2 - S	oybean			0.0	0	()	30	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	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: E0	1	Reco	ommenda	ations:		_ime					Nutrie	ents (lb/ac	re)					Моі	re ·
	Crop					(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	·			0.0	80-10	0 0)	0	0	0	0	0	0	0		Note: 6				
			2 - S	oybean			0.0	0	()	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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: E0:	2	Reco	ommenda	ations:	L	_ime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - S	weetpota	ito		0.3	60-90) ()	50	0	0	0	0	0	0.5	;	Note: 6	
			2 - V	egetable	s, other		0.0	80-10	0 ()	100	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	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: E0	3	Reco	ommenda	ations:	L	ime					Nutrie	ents (lb/ac	re)					Moi	·e
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - S	weetpota	ito		0.0	60-90) ()	140	0	0	0	0	0	0.5	;	Note: 6	
			2 - V	egetable	s, other		0.0	80-10	0 ()	180	0	0	0	0	0	0		Note: 6	
Test Res	sults [ur	nits - W/V	in g/cm ³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-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		

NCDA&	CS Agro	onomic D	ivision	Pl	hone: (91	9) 733-26	655	Web	site: ww	w.ncag	ır.gov/agr	onomi/				R	Report No	o. F	Y20-SLC	22703
																			Page	18 of 27
Sample	ID: N1	0	Reco	ommend	ations:	L	_ime					Nutri	ents (lb/ac	re)					Мо	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informa	tion
Lime His	story:		1 - V	egetable	s, other		0.3	80-10	0 0)	140	0	0	0	0	0	0		Note: 6	
			2 - S	oybean			0.0	0	C)	60	0	0	0	0	0	0		Note: 3	
Test Re	sults [uɪ	nits - W/\	/ in g/cm³	; CEC an	nd Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-N
0.22	1.44			38	49	15	32	60	46	46	72	72	130	0.1	5					
Sample	ID: N1): N17 Recommendations: Lime				_					Nutri	ents (lb/ac	re)					Мо	re	
		Crop (tons/acre				s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informa	tion	
Lime His	story:		1 - Vegetables, other 0.0		0.0	80-10	0 10	00	50	0	0	0	0	0	0		Note: 6			
0.30 ton	s/acre; 3	3/2019	2-S	oybean			0.0	0	1	0	0	0	0	0	0	0	0		Note: 3	
Test Re	sults [uɪ	nits - W/\	/ in g/cm³	; CEC an	nd Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -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: N1	8	Reco	ommend	ations:	ı	ime						ents (lb/ac	re)					Мо	re
-			Crop)		(ton	s/acre)	N	P ₂	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informa	tion
Lime His	story:		1 - V	egetable	s, other		0.0	80-10			40	0	0	0	0	0	0		Note: 6	
0.30 ton	•	3/2019	2-S	oybean			0.0	0	C)	0	0	0	0	0	0	0		Note: 3	
Test Re	sults [uɪ	nits - W/V	/ in g/cm³	; CEC an	ıd Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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		9	Reco	ommend	ations:	L	ime					Nutri	ents (lb/ac	re)					Мо	re
-			Crop)		(ton	s/acre)	N	P ₂	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informa	tion
Lime His	story:		1 - V	egetable	s, other		0.4	80-10	0 20	0	20	0	0	0	\$	0	0		Note: 6	Note:
			2 - S	oybean			0.0	0	C)	0	0	0	0	6	0	0		Note: 3	
Test Re	esults [units - W/V in g/cm³; CEC and Na in meq/100 cm³;							N in mg/	dm³]:				Soil Class	s: Mine	eral					
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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		

NCDA&	CS Agro	nomic D	ivision	PI	none: (91	9) 733-26	655	Web	site: ww	w.ncaç	gr.gov/agr	onomi/				R	Report No). F	Y20-SL0	22703
																			Page	19 of 27
Sample	ID: N2	5	Reco	ommenda	ations:	L	_ime					Nutrie	ents (lb/ac	re)					Моі	re
			Crop	0		(ton	s/acre)	N	P2	O5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetable:	s, other		0.3	80-10	0 4	0	40	0	0	0	0	0	0		Note: 6	
0.30 tons	s/acre; 3	3/2019	2 - S	oybean			0.0	0	()	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -N
0.18			89	91	33	22	44	43	36	36	30	30	40	0.1	3					
Sample	e ID: N26 Recommendations: Lime					_ime					Nutrie	ents (lb/ac	re)					Мо	re	
	Crop (tons/ac					•	N	P2		K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat		
Lime His	story:	1 - Vegetables, other 0.5		0.5	80-10	0 4	0	40	0	0	0	\$	0	0		Note: 6	Note: 9			
			2 - S	oybean			0.0	0	()	0	0	0	0	6	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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 : N2	7	Reco	ommenda	ations:	L	ime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetable:	s, other		0.5	80-10	0 0)	20	0	0	0	0	0	0		Note: 6	
			2 - S	oybean			0.0	0	()	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	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
0.46	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 : N2	8	Reco	ommenda	ations:	L	_ime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop	o		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetable:	s, other		0.4	80-10	0 0)	0	0	0	0	0	0	0		Note: 6	
0.30 tons	s/acre; 3	3/2019	2 - S	oybean			0.0	0	()	0	0	0	0	0	0	0		Note: 3	
Fest Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO₃-N in mg/dm³]								dm³]:				Soil Class	: Mine	eral						
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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		
		.								<u> </u>							-	_		

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																			Page 2	20 of 27
Sample	ID: N2	9	Reco	ommenda	ations:	L	_ime					Nutrie	ents (lb/ac	re)					Мо	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - V	egetable	s, other		0.3	80-10	0 0)	150	25	0	0	0	0	0		Note: 6	
			2 - S	oybean			0.0	0	()	70	\$	0	0	0	0	0		Note: 3	Note: 9
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	-N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	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	ple ID: N30 Recommendations: Lin						_ime					Nutrie	ents (lb/ac	re)					Moi	re
	Crop (tons/a						s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	tory: 1 - Vegetables, other 0.					0.6	80-10	0 3	0	0	0	0	0	0	0	0		Note: 6		
			2 - S	oybean			0.0	0	()	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	-N in mg/	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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 : N3	1	Reco	ommenda	ations:	L	ime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1-S	oybean			0.5	0	C)	0	0	0	0	0	0	0		Note: 3	
			2 - C	orn, grair	า		0.0	120 - 1	60 ()	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in m	neq/100 c	:m³; NO₃-	-N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	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 : P0	1	Reco	ommenda	ations:	L	_ime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - S	oybean			0.5	0	C)	20	0	0	0	0	0	0		Note: 3	
			2 - C	orn, grair	า		0.0	120 - 1	60 ()	20	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										eral										
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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		
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																			Page	21 of 27
Sample	ID : P0	2	Reco	mmend	ations:	L	ime					Nutri	ents (lb/ac	re)					Мо	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	storv:		1 - S	oybean			0.7	0	0)	0	0	0	0	0	0	0		Note: 3	
_	,		2-C	orn, graiı	า		0.0	120 - 1	60 C)	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	-N in mg	/dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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 : P0	: P03 Recommendations: Lime					_ime					Nutri	ents (lb/ac	re)					Мо	re
		Crop (tons/acre				s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion	
Lime His	story:		1-S	1 - Soybean 0.5 2 - Corn, grain 0.0		0	0)	0	0	0	0	0	0	0		Note: 3			
			2-C	orn, graii	า		0.0	120 - 1	60 C)	0	0	0	0	0	0	0		Note: 3	
Test Re	sults [ur	nits - W/V	/ in g/cm³	Corn, grain 0.0 1 3; CEC and Na in meq/100 cm ³ ; NO ₃ -N					/dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	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	1.34	3.3	68	1.0	5.5	152	98	36	17	33	60	46	53	64	64	46	0.1	3		
Sample	ID : P0	4	Reco	mmend	ations:		ime						ents (lb/ac	re)					Мо	re
-			Crop)		(ton	s/acre)	N	P20	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	storv:		1 - S	oybean			0.5	0	0		10	0	0	0	0	0	0		Note: 3	
			2 - C	orn, graiı	า		0.0	120 - 1	60 C)	10	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	-N in mg	/dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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		5	Reco	mmend	ations:	L	ime					Nutri	ents (lb/ac	re)					Мо	re
•			Crop				s/acre)	N	P20	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informa	
Lime His	storv:			oybean		•	0.5	0	0		0	0	0	0	0	0	0		Note: 3	
	•		2 - C	orn, graiı	า		0.0	120 - 1	60 C)	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	/ in g/cm ³	; CEC an	nd Na in n	neq/100 c	:m³; NO₃	-N in mg/	/dm ³]:				Soil Class	s: Mine	eral			•		
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-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		
		<u> </u>															<u> </u>			

NCDA&	CS Agro	nomic D	ivision	P	hone: (91	9) 733-20	655	Web	site: www	w.ncag	gr.gov/agr	onomi/				R	Report No). F	Y20-SL0	22703
																			Page	22 of 27
Sample	ID : P0	6	Reco	mmend	ations:		Lime					Nutri	ents (lb/ac	re)					Мо	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	storv:		1 - S	oybean			0.5	0	20)	0	0	0	0	0	0	0		Note: 3	
	,		2-C	orn, graii	n		0.0	120 - 1	60 20	0	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [uɪ	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	·N in mg	/dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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 : P0	P08 Recommendations: Lime								Nutri	ents (lb/ac	re)					Мо	re		
			Crop (tons/acre)		N	P20	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion			
Lime His	story:		1-S	oybean			0.3	0	0)	0	0	0	0	0	2	0		Note: 3	
	-		2 - C	orn, graiı	n		0.0	120 - 1	60 0)	0	0	0	0	0	\$	0		Note: 3	Note: 9
Test Res	sults [uɪ	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 d	:m³; NO₃-	·N in mg	/dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-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 : P0	9	Reco	mmend	ations:		Lime					Nutri	ents (lb/ac	re)					Мо	re
			Crop)		(ton	s/acre)	N	P20	O ₅	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1-S	oybean			0.5	0	0	1	0	0	0	0	0	0	0		Note: 3	
			2 - C	orn, graii	n		0.0	120 - 1	60 0)	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [uɪ	nits - W/V	/ in g/cm³	; CEC an	ıd Na in n	neq/100 d	:m³; NO₃-	·N in mg	/dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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: R0	4	Reco	mmend	ations:	I	Lime					Nutri	ents (lb/ac	re)					Мо	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - V	egetable	s, other		0.0	80-10	0 60)	0	0	0	0	\$	0	0	- 1	Note: 6	Note: 9
0.30 ton	s/acre; 3	3/2019	2 - S	oybean			0.0	0	O)	0	0	0	0	6	0	0		Note: 3	
Test Res	Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³;								/dm³]:				Soil Class	s: Mine	eral					
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-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		

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																			Page 2	23 of 27
Sample	ID : S0	1	Reco	mmend	ations:	L	ime					Nutri	ents (lb/ac	re)					Мо	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - C	orn, graii	า		0.6	120 - 1	60 20)	0	0	0	0	0	2	0		Note: 3	
			2 - S	oybean			0.0	0	20	0	0	0	0	\$pH	0	\$	0		Note: 3	Note: \$
Test Res	sults [ur	nits - W/V	in g/cm ³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	-N in mg	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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 : S0	2	Reco	mmend	ations:	L	_ime	acre) N P2O5				Nutri	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - C	orn, graii	า		0.0	120 - 1	60 10)	10	0	0	0	0	2	0		Note: 3	
	-		2 - S	oybean			0.0	0	10	0	10	0	0	0	0	\$	0		Note: 3	Note: \$
Test Res	sults [ur	nits - W/V	in g/cm ³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	-N in mg	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO3-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 : S0	3	Reco	mmend	ations:	L	ime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - C	orn, graiı	า		0.0	120 - 1	60 10)	0	0	0	0	0	2	0		Note: 3	
			2 - S	oybean			0.0	0	10	0	0	0	0	0	0	\$	0		Note: 3	Note: \$
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃-	-N in mg	dm³]:				Soil Class	s: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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 : S0	4	Reco	mmend	ations:	L	ime					Nutrie	ents (lb/ac	re)					Моі	re
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1 - C	orn, graiı	า		0.0	120 - 1	60 30)	0	0	0	0	0	0	0		Note: 3	
			2 - S	oybean			0.0	0	30	0	0	0	0	0	0	0	0		Note: 3	
Test Res	sults [ur	nits - W/V	' in g/cm ³	; CEC an	ıd Na in n	neq/100 c	:m³; NO₃	-N in mg	dm³]:				Soil Class	s: Mine	eral					
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO3-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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																			Page 2	24 of 27
Sample	ID: S0	5	Reco	ommend	ations:	I	Lime					Nutrie	ents (lb/ac	re)					Моі	re
			Crop)		(ton	s/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1-C	orn, graii	n		0.7	120 - 10	60 C)	10	0	0	0	0	2	0		Note: 3	
0.30 tons	s/acre; 3	/2019	2 - S	oybean			0.0	0	()	10	0	0	0	0	\$	0		Note: 3	Note:
Test Res	sults [un	its - W/V	' in g/cm³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	·N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -
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	ple ID: 001 Recommendations:					I	_ime					Nutrie	ents (lb/ac	re)					Moi	e
	Crop					(ton	ıs/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	History: 1 - Soybean 2 - Sweetpotato				0.0	0	C)	0	0	0	0	0	0	0		Note: 3			
			2 - S	weetpota	ito		0.0	60-90) ()	0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [un	its - W/V	' in g/cm ³	; CEC an	nd Na in n	neq/100 c	:m³; NO₃-	·N in mg/	dm³]:				Soil Class	: Mine	eral					
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -
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	2	Reco	ommend	ations:		Lime					Nutrie	ents (lb/ac	re)					Moi	re
			Crop)		(ton	s/acre)	N	P2	O5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:		1 - S	oybean			0.0	0	C)	0	0	0	0	0	0	0		Note: 3	
			2 - S	weetpota	ito		0.0	60-90) ()	0	0	0	0	0	0	0.0		Note: 6	
Test Res	sults [un	its - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-I	Na	ESP	SS-I	NO ₃ -
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	3	Reco	ommend	ations:		Lime					Nutrie	ents (lb/ac	re)					Моі	re
			Crop			(ton	ıs/acre)	N	P2	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion
Lime His	story:			oybean			0.0	0	10		0	0	0	0	0	0	0		Note: 3	
			2 - S	weetpota	ito		0.0	60-90	2	0	0	0	0	0	0	0	0.0		Note: 6	
Test Res	st Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³								dm³]:				Soil Class	: Mine	eral					
нм%	W/V	CEC	BS%	Ac	рН	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 -
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		
			•	···									~-			• • •				

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																			Page :	25 of 27
Sample ID: 004 Recommendations:				Lime						Nutrie	ents (lb/ac				Mor	re				
			Crop)		(ton	s/acre)	N	P20	O5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime History:			1 - Soybean			0.0		0	0)	0	0	0	0	0	0	0		Note: 3	
			2 - S	weetpota	ato		0.0	60-90	C)	0	0	0	0	0	0	0.0		Note: 6	
Test Results [units - W/V in g/cm ³ ; Cl					nd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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: 00	5	Recommendations:				ime		Nutrients (lb/acre)									Mor	re	
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1-S	oybean			0.3	0	0)	0	0	0	0	0	0	0		Note: 3	
			2 - S	weetpota	ato		0.0	60-90	<u> </u>)	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; NO ₃ -								s-N in mg/dm³]: Soil Class: Mineral												
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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	3	Reco	ommend	ations:	Lime						Nutrients (lb/acre)							More	
			Crop)		(ton	s/acre)	N	P20	O5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime History:			1 - Soybean			0.3		0	0)	0	0	0	0	0	0	0		Note: 3	
			2 - S	weetpota	ato		0.0	60-90	<u> </u>)	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; NO							:m³; NO₃-	N in mg/dm ³]: Soil Class: Mineral												
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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			
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	tion
Lime His	story:		1-S	oybean			0.0	0	30	0	0	0	0	0	0	0	0		Note: 3	
			2 - S	weetpota	ato		0.0	60-90	4	0	0	0	0	0	0	0	0.0		Note: 6	
Test Re	sults [ur	nits - W/V	' in g/cm³	; CEC ar	nd Na in n	neq/100 c	:m³; NO₃-	N in mg/	dm³]:				Soil Class	: Mine	eral					
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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		
			-																	

NCDA&CS Agronomic Division Phone: (919) 733-2655						Website: www.ncagr.gov/agronomi/										No . FY20-SL022703					
																			Page 2	26 of 27	
Sample ID: 008 Recommendations:					L	Lime Nutrients (lb/acre)										More					
			Crop			(tons/acre)		N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion	
Lime Hi	story:		1-S	1 - Soybean			0.0		0		10	0	0	0	0	0	0		Note: 3		
			2 - S	2 - Sweetpotato			0.0		0		0	0	0	0	0	0	0.0		Note: 6		
Test Re	sults [ur	nits - W/V	' in g/cm³	; CEC an	nd Na in n	neq/100 c	m³; NO3-	N in mg/	dm³]:				Soil Class	s: Mine	eral						
НМ%	HM% W/V CEC		BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	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	9	Reco	ommend	ations:	Lime						Nutrients (lb/acre)							More		
Lime History:			Crop 1 - Soybean			(tons/acre) 0.3		N	P26		K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion	
								0	0		0	0	0	0	0	0	0		Note: 3		
			2 - S	weetpota	ito		0.0	60-90) C)	0	0	0	0	0	0	0.0		Note: 6		
Test Re	sults [ur	nits - W/V	' in g/cm ³	; CEC an	nd Na in n	neq/100 c	m³; NO3-	N in mg/	dm³]:				Soil Class	: Mine	eral						
НМ%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -N	
0.41	1.34	3.1	73	8.0	5.7	193	79	45	15	40	112	77	84	83	83	86	0.1	3			
Sample	ID : 010	0	Recommendations:			Lime					Nutrients (lb/acre)								More		
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion	
Lime History:			1-S	1 - Soybean			0.0		60		0	0	0	0	0	0	0		Note: 3	<u>.e: 3</u>	
			2 - S	weetpota	ito		0.0	60-90	8 (0	0	0	0	0	0	0	0.0		Note: 6		
Test Re	sults [ur	nits - W/V	' in g/cm³	; CEC an	ıd Na in n	neq/100 c	m³; NO3-	N in mg/	dm³]:				Soil Class	: Mine	eral						
нм%	W/V	CEC	BS%	Ac	рН	P-I	K-I	Ca%	Mg%	S-I	Mn-l	Mn-Al1	Mn-Al2	Zn-I	Zn-Al	Cu-l	Na	ESP	SS-I	NO ₃ -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 : 01	1	Reco	Recommendations:			Lime					Nutrients (lb/acre)							More		
			Crop)		(ton	s/acre)	N	P20	O 5	K ₂ O	Mg	S	Mn	Zn	Cu	В		Informat	ion	
Lime History:			1 - S	1 - Soybean			0.0		0)	0	0	0	0	0	0	0		Note: 3		
			2 - S	weetpota	ito		0.0	60-90) ()	0	0	0	0	0	0	0.0		Note: 6		
Test Re	sults [ur	nits - W/V	' in g/cm ³	; CEC an	d Na in n	neq/100 c	m³; NO3-	N in mg/	dm³]:				Soil Class	: Mine	eral						
НМ%	W/V	CEC	BS%	Ac	рН	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	
0.32	1.40	4.1	81	0.8	6.0	74	114	47	20	68	69	51	58	59	59	92	0.1	2			
0.02	1.70	7.1	01	0.0	0.0	17	117	71	20	00	0.5	J 1	50	J9	00	32	J. I				

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Page 27 of 27

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 dolomitric 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#65 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-Al1, Mn-Al2, Zn-I, Zn-Al, 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

geable a	cidity
	geable a

B boron

BS% % CEC occupied by basic cations
Ca% % CEC occupied by calcium

Ca% % CEC occupied by calcit cation exchange capacity

Cu-I copper index

ESP exchangeable sodium percent

HM% percent humic matter potassium index

K2O potash

Mg% % CEC occupied by magnesium

MIN mineral soil class
Mn manganese

Mn-Al1 Mn-availability index for crop 1
Mn-Al2 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