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TEXAS TECH-DEPT OF BIOLOGY [60759] Grower: TEXAS TECH Page 1

NATASJA VAN-GESTEL Farm/Field: D1

TTU Biology 2901 MAIN ST LID: 6.5

 LUBBOCK, TX 79409
 Test Method: Mehlich III
 Received: 12/6/2021
 Processed: 12/8/2021

Sample ID	Lab	Р		K		Mg	9	Ca		ŗ	Н	5	;	В	Z	1	Mn		Fe	;	С	u	Na	ОМ	ENR	CEC		% Bas	e Satu	ıration	
	Number	lbs	/A	lbs	/A	lbs	/A	lbs/	Ά	Soil	Buffer	lbs	/A	lbs/A	lbs	/A	lbs/	A	lbs	/A	lbs	/A	lbs/A	%	lbs/A	meq	K	Mg	Ca	Н	Na
C1	17846900	25	L	1032	VH	1577	VH	3660	VH	8.8	7.85	25	М	10.6 VH	1.7	L	160	Α	70	М	2.8	М	242	0.30	6	18.8	7.0	35.0	48.7	6.4	2.8
R1	17847000	31	L	1001	VH	1520	VH	3640	VH	8.5	7.85	18	L	7.4 VH	2.7	L	166	Α	65	М	3.0	Α	78	0.38	8	18.1	7.1	35.0	50.3	6.6	0.9
W1	17847100	32	L	978	VH	1464	VH	3478	VH	8.5	7.80	16	L	7.4 VH	1.8	L	161	Α	68	М	2.8	М	85	0.39	8	17.8	7.0	34.2	48.8	9.0	1.0
WR1	17847200	22	L	913	VH	1831	VH	3405	Η	8.6	7.85	22	L	9.4 VH	1.8	L	161	Α	68	М	2.8	М	127	0.39	8	18.8	6.2	40.6	45.3	6.4	1.5
C2	17847300	33	L	998	VH	1526	VH	3555	Η	8.4	7.80	18	L	7.4 VH	1.7	L	168	Α	73	М	3.0	Α	65	0.28	6	18.3	7.0	34.8	48.7	8.8	0.8
R2	17847400	24	L	981	VH	1572	VH	3485	Η	8.6	7.85	19	L	8.6 VH	1.6	L	160	Α	71	М	2.9	М	151	0.34	7	18.0	7.0	36.3	48.3	6.6	1.8
W2	17847500	24	L	1084	VH	1579	VH	3641	VH	8.8	7.80	21	L	10.2 VH	1.6	L	161	Α	75	М	2.9	М	200	0.34	7	19.1	7.3	34.4	47.6	8.4	2.3
WR2	17847600	25	L	913	VH	1557	VH	3766	VH	8.6	7.85	16	L	7.7 VH	1.6	L	164	Α	63	М	3.0	Α	102	0.34	7	18.5	6.3	35.1	50.9	6.5	1.2
C1-2	17849300	23	L	841	VH	1591	VH	3262	VH	8.4	7.85	25	М	9.4 VH	2.3	L	170	Α	98	М	3.0	Α	218	0.32	6	17.5	6.1	37.8	46.5	6.8	2.7
R1-2	17849400	31	L	1027	VH	1610	VH	3803	VH	8.3	7.85	20	L	7.5 VH	2.5	L	172	Α	70	М	3.3	Α	92	0.39	8	18.9	7.0	35.4	50.2	6.3	1.1

Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

			Soil Fer	tility Recomm	endation	s (lbs/A))							
Sample ID	Crop	Yield	Lime Ton:	Gypsum s/Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	B Boron	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper
C1	NO CROP													
R1	NO CROP													
W1	NO CROP													
WR1	NO CROP													
C2	NO CROP													
R2	NO CROP													
W2	NO CROP													
WR2	NO CROP													
C1-2	NO CROP													
R1-2	NO CROP													

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Ca	mı	me	nte	3.



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TEXAS TECH-DEPT OF BIOLOGY [60759]Grower: TEXAS TECHPage 2NATASJA VAN-GESTELFarm/Field: D1TUU Biology 2901 MAIN STLID:Target pH: 6.5LUBBOCK, TX 79409Test Method: Mehlich IIIReceived: 12/6/2021Processed: 12/8/2021

Sample ID	Lab	P		K	(M	9	Ca	1	ı	эΗ	S		В		Zn		Mn		Fe	;	С	u	Na	OM	ENR	CEC		% Bas	se Satu	ıration	
	Number	lbs	/A	lbs	/A	lbs	/A	lbs/	/A	Soil	Buffer	lbs/A	١	lbs/A	ı	lbs/A		lbs/	A	lbs	/A	lbs	/A	lbs/A	%	lbs/A	meq	K	Mg	Ca	Н	Na
W1-2	17849500	31	L	929	VH	1465	VH	3490	VH	8.5	7.80	24	L	7.6 VH	1 2.	.4	L	154	Α	68	М	3.1	Α	107	0.36	7	17.9	6.7	34.2	48.9	9.0	1.3
WR1-2	17849600	20	Г	903	VH	1806	VH	3296	VH	8.7	7.85	25	М	9.4 VH	1 1.	.9	L	162	Α	78	М	3.5	Α	227	0.32	6	18.6	6.2	40.4	44.3	6.4	2.7
C2-2	17849700	32	Г	991	VH	1573	VH	3539	VH	8.4	7.80	23	L	7.8 VH	1.	.9	L	165	Α	66	М	3.2	Α	101	0.28	6	18.5	6.9	35.4	47.8	8.7	1.2
R2-2	17849800	23	L	873	VH	1959	VH	3348	VH	8.5	7.80	30	М	10.2 VF	1 1.	.9	L	165	Α	69	М	3.3	Α	192	0.26	5	19.7	5.7	41.5	42.6	8.1	2.1
W2-2	17849900	21	L	896	VH	1783	VH	3239	VH	8.6	7.85	34	М	9.5 VH	1 2.	.0	L	155	Α	68	М	3.1	Α	215	0.34	7	18.3	6.3	40.5	44.1	6.5	2.5
WR2-2	17850000	28	L	898	VH	1513	VH	3534	VH	8.3	7.80	20	L	7.7 VH	1 1.	.8	L	154	Α	64	М	2.9	М	112	0.36	7	18.1	6.3	34.8	48.7	8.8	1.3

Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

			Soil Fert	ility Recomm	endation	s (lbs/A))							
Sample ID	Crop	Yield	Lime Tons	Gypsum /Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	Boron	Zn Zinc	Mn Manganese	Fe	Cu Copper
W1-2	NO CROP													-
WR1-2	NO CROP													
C2-2	NO CROP													
R2-2	NO CROP													
W2-2	NO CROP													
WR2-2	NO CROP													

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Сი	m	m	е	nt	S:



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TEXAS TECH-DEPT OF BIOLOGY [60759] Grower: TEXAS TECH Page 3

NATASJA VAN-GESTEL Farm/Field: D2

TTU Biology 2901 MAIN ST LID: 6.5

LUBBOCK, TX 79409 Test Method: Mehlich III Received: 12/6/2021 Processed: 12/8/2021

Sample ID	Lab	Р		K		Mç	9	Ca		ŗ	Н	5	;	В	Z	n	Mr	1	Fe	;	С	u	Na	OM	ENR	CEC		% Bas	e Satu	ıration	
	Number	lbs/	/A	lbs	/A	lbs	/A	lbs/	Ά	Soil	Buffer	lbs	/A	lbs/A	lbs	s/A	lbs	Ά	lbs	/A	lbs	/A	lbs/A	%	lbs/A	meq	K	Mg	Ca	Н	Na
C1	17847700	33	L	1336	VH	1632	VH	3673	VH	8.5	7.85	24	L	9.9 VH	1.8	L	170	Α	70	М	3.2	Α	140	0.46	9	19.2	8.9	35.4	47.8	6.3	1.6
R1	17847800	34	L	1106	VH	1823	VH	3846	VH	8.5	7.80	23	L	8.3 VH	2.1	L	164	Α	67	М	3.2	Α	96	0.44	9	20.4	6.9	37.2	47.0	7.8	1.0
W1	17847900	32	L	1162	VH	1676	VH	3621	VH	8.7	7.80	19	L	9.8 VH	1.8	L	162	Α	71	М	3.1	Α	160	0.41	8	19.5	7.7	35.9	46.5	8.2	1.8
WR1	17848000	37	L	1290	VH	1941	VH	4190	VH	8.5	7.80	24	L	9.9 VH	2.3	L	176	Α	67	M	3.3	Α	112	0.51	10	22.1	7.5	36.7	47.5	7.3	1.1
C2	17848100	36	L	991	VH	1990	VH	3984	VH	8.7	7.85	29	М	10.6 VH	1.7	L	160	Α	70	M	3.2	Α	216	0.46	9	21.2	6.0	39.1	47.0	5.7	2.2
R2	17848200	32	L	1139	VH	1772	VH	3853	VH	8.5	7.80	20	L	8.6 VH	2.3	L	169	Α	69	M	3.3	Α	76	0.45	9	20.2	7.2	36.5	47.6	7.9	0.8
W2	17848300	28	L	1156	VH	1630	VH	3966	VH	8.7	7.85	34	М	10.4 VH	2.1	L	160	Α	71	М	3.2	Α	249	0.35	7	19.9	7.4	34.1	49.7	6.0	2.7
WR2	17848400	33	L	1175	VH	1608	VH	3733	VH	8.7	7.85	27	М	10.2 VH	1.8	L	162	Α	73	М	3.3	Α	237	0.41	8	19.3	7.8	34.8	48.5	6.2	2.7
C1-2	17850100	29	L	1153	VH	1855	VH	3211	VH	8.7	7.85	22	L	9.7 VH	1.9	L	163	Α	68	М	3.2	Α	152	0.38	8	18.8	7.9	41.2	42.8	6.4	1.8
R1-2	17850200	29	L	1102	VH	1830	VH	3869	VH	8.6	7.85	33	М	10.4 VH	2.4	L	161	Α	66	М	3.9	Α	204	0.40	8	20.4	6.9	37.5	47.5	5.9	2.2

Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

			Soil Fert	ility Recomme	endation	s (lbs/A)							
Sample ID	Сгор	Yield	Lime Tons	Gypsum s/Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	Boron	Zn Zinc	Mn Manganese	Fe	Cu Copper
C1	NO CROP													
R1	NO CROP													
W1	NO CROP													
WR1	NO CROP													
C2	NO CROP													
R2	NO CROP													
W2	NO CROP													
WR2	NO CROP													
C1-2	NO CROP													
R1-2	NO CROP													

•				
Ca	mı	me	nte	3.



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Target pH: 6.5

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TEXAS TECH-DEPT OF BIOLOGY [60759] Grower: TEXAS TECH Page 4

NATASJA VAN-GESTEL Farm/Field: D2
TTU Biology 2901 MAIN ST LID:

LUBBOCK, TX 79409 Test Method: Mehlich III Received: 12/6/2021 Processed: 12/8/2021

Sample ID	Lab	ا	P		K		Mg	١	Ca	ı	ı	эΗ	s		В	Z	n	М	n	F	е	C	u	Na	OM	ENR	CEC		% Ba	se Satı	ıration	1
e e e e e e e e e e e e e e e e e e e	Number	lb	s/A	lk	s/A		lbs/	Α	lbs/	Α	Soil	Buffer	lbs	/A	lbs/A	lbs	s/A	lbs	/A	lbs	/A	lbs	s/A	lbs/A	%	lbs/A	meq	K	Mg	Ca	Н	Na
W1-2	17850300	30	L	112	4 VI	H 1	723	VH	3454	VH	8.7	7.85	25	М	10.4 VH	1.9	L	159	Α	69	М	3.2	Α	242	0.40	8	19.0	7.6	37.8	45.5	6.3	2.8
WR1-2	17850400	32	L	960	VI	H 1	911	VH	3804	VH	8.5	7.80	33	М	9.9 VH	2.5	L	163	Α	73	М	4.1	Α	232	0.37	7	20.8	5.9	38.3	45.7	7.7	2.4
C2-2	17850500	36	L	110	3 VI	H 2	2023	VH	4429	VH	8.8	7.85	28	М	11.4 VH	1.9	L	173	Α	80	М	3.7	Α	299	0.45	9	22.8	6.2	37.0	48.6	5.3	2.9
D2-2	17850600	32	L	118	1 VI	H 1	855	VH	3832	VH	8.7	7.80	20	L	11.1 VH	2.1	L	175	Α	79	М	3.6	Α	192	0.48	10	20.8	7.3	37.1	46.0	7.7	2.0
W2-2	17850700	36	L	112	2 VI	H 1	976	VH	3891	VH	8.7	7.85	24	L	10.5 VH	2.2	L	174	Α	84	М	3.6	Α	214	0.42	8	21.1	6.8	39.1	46.2	5.7	2.2
WR2-2	17850800	29	L	115	3 VI	H 1	916	VH	3718	VH	8.6	7.80	26	М	11.1 VH	2.0	L	175	Α	81	М	3.8	Α	242	0.44	9	20.9	7.1	38.2	44.5	7.7	2.5

Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

			Soil Fert	ility Recomm	endation	s (lbs/A))							
Sample ID	Crop	Yield	Lime Tons	Gypsum /Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	B Boron	Zn Zinc	Mn Manganese	Fe	Cu Copper
W1-2	NO CROP													
WR1-2	NO CROP													
C2-2	NO CROP													
D2-2	NO CROP													
W2-2	NO CROP													
WR2-2	NO CROP													

Explanation of Symbols - * (maintenance), % (percent), ppm (parts per million), lbs/A (pounds per acre), lbs/1000 sq. ft. (pounds per 1000 square feet), mmhos/cm (milli-mhos per centimeter), meq (meq/100g: milli-equivalent per 100 grams)

Comments:



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TEXAS TECH-DEPT OF BIOLOGY [60759] Grower: TEXAS TECH Page 5

NATASJA VAN-GESTEL Farm/Field: D3

TTU Biology 2901 MAIN ST LID: 6.5

LUBBOCK, TX 79409 Test Method: Mehlich III Received: 12/6/2021 Processed: 12/8/2021

Sample ID	Lab	F	,	K		M	9	Ca		ŀ	Н	5	;	В	Z	1	Mn		F	е	С	u	Na	ОМ	ENR	CEC		% Bas	se Satı	ıration	
	Number	lbs	/A	lbs	/A	lbs	/A	lbs/	Ά	Soil	Buffer	lbs	/A	lbs/A	lbs	/A	lbs/	A	lbs	/A	lbs	s/A	lbs/A	%	lbs/A	meq	K	Mg	Ca	Н	Na
R1	17848600	42	М	1090	VH	1936	VH	4081	VH	8.5	7.80	20	L	7.6 VH	1.9	L	177	Α	65	М	3.3	Α	55	0.33	7	21.4	6.5	37.7	47.7	7.5	0.6
W1	17848700	37	L	906	VH	2307	VH	3775	VH	8.8	7.80	20	L	11.2 VH	1.7	L	180	Α	68	М	3.4	Α	231	0.27	5	22.3	5.2	43.1	42.3	7.2	2.3
WR1	17848800	60	М	1228	VH	1585	VH	4544	VH	8.4	7.80	31	М	8.1 VH	3.3	L	182	Α	61	М	3.5	Α	222	0.53	11	21.6	7.3	30.5	52.5	7.4	2.2
C2	17848900	36	L	1146	VH	2115	VH	4069	VH	8.7	7.80	22	L	11.9 VH	1.7	L	181	Α	70	М	3.6	Α	232	0.39	8	22.6	6.5	39.1	45.1	7.1	2.2
R2	17849000	44	М	1107	VH	2015	VH	4218	VH	8.5	7.80	20	L	8.1 VH	2.3	L	178	Α	68	М	3.6	Α	69	0.51	10	22.1	6.4	38.0	47.7	7.2	0.7
W2	17849100	51	М	1107	VH	2093	VH	4229	VH	8.7	7.80	23	L	10.7 VH	2.2	L	180	Α	71	М	3.5	Α	242	0.26	5	22.8	6.2	38.2	46.3	7.0	2.3
WR2	17849200	36	L	949	VH	2112	VH	3921	VH	8.6	7.80	21	L	8.1 VH	2.1	L	183	Α	66	М	3.5	Α	129	0.36	7	21.7	5.6	40.6	45.2	7.4	1.3
C1-2	17850900	48	М	990	VH	2125	VH	3906	VH	8.7	7.85	25	М	10.3 VH	2.0	L	180	Α	79	М	3.7	Α	213	0.45	9	21.6	5.9	41.1	45.3	5.6	2.1
R1-2	17851000	37	L	1179	VH	1999	VH	4271	VH	8.7	7.85	28	М	11.8 VH	2.1	L	191	Α	78	М	3.9	Α	240	0.46	9	22.2	6.8	37.5	48.0	5.4	2.3
W1-2	17851100	42	М	1292	VH	2216	VH	4671	VH	8.8	7.85	28	М	12.4 VH	2.2	L	207	Н	79	М	4.1	Α	289	0.42	8	24.4	6.8	37.8	47.9	4.9	2.6

Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

			Soil Fert	ility Recomm	endation	s (lbs/A)							
Sample ID	Crop	Yield	Lime Tons	Gypsum s/Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	Boron	Zn Zinc	Mn Manganese	Fe	Cu Copper
R1	NO CROP													
W1	NO CROP													
WR1	NO CROP													
C2	NO CROP													
R2	NO CROP													
W2	NO CROP													
WR2	NO CROP													
C1-2	NO CROP													
R1-2	NO CROP													
W1-2	NO CROP													

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Ca	mı	me	nte	3.



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TEXAS TECH-DEPT OF BIOLOGY [60759] Grower: TEXAS TECH Page 6 Farm/Field: D3 NATASJA VAN-GESTEL Target pH: 6.5 TTU Biology 2901 MAIN ST LID: LUBBOCK, TX 79409 Test Method: Mehlich III Received: 12/6/2021 Processed: 12/8/2021 В ENR CEC % Base Saturation Mg Ca pН Zn Mn Cu Na OM Lab Sample ID Number lbs/A lbs/A lbs/A lbs/A Soil Buffer lbs/A lbs/A lbs/A lbs/A lbs/A lbs/A lbs/A % Ibs/A meg K Mg Ca Н Na WR1-2 17851200 48 M 1314 VH 2051 VH 4544 VH 8.6 7.80 43 M 11.4 VH 2.7 L 192 78 M 4.5 Α 305 0.44 9 23.9 7.1 35.8 47.6 6.7 2.8 Α C2-2 31 42.3 17851300 34 L 1005 VH 2246 VH 3913 VH 8.7 7.85 М 10.9 VH 1.9 180 Α 73 М 3.8 Α 220 0.36 7 22.1 5.8 44.2 5.4 2.2 R2-2 17851400 39 1088 VH 1992 VH 4233 VH 8.7 7.85 29 9.5 VH 2.2 179 Α 67 М 3.7 Α 234 0.46 9 22.0 6.3 37.8 48.1 5.5 2.3 W2-2 17851500 50 M 1414 VH 2318 VH 5020 VH 8.7 7.80 34 М 11.7 VH 2.6 L 211 Н 74 М 4.2 292 0.45 9 26.3 6.9 36.8 47.8 6.1 2.4 Α WR2-2 17851600 32 L 1048 VH 2118 VH 4105 VH 8.6 7.80 30 М 12.2 VH 2.1 L 181 Α 69 M 3.7 Α 306 0.36 7 22.7 5.9 38.9 45.2 7.0 2.9

Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

			Soil Fert	ility Recomm	endation	s (lbs/A))							
Sample ID	Сгор	Yield	Lime Tons	Gypsum /Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	B Boron	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper
WR1-2	NO CROP													
C2-2	NO CROP													
R2-2	NO CROP													
W2-2	NO CROP													
WR2-2	NO CROP													

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TEXAS TECH-DEPT OF BIOLOGY [60759] Grower: TEXAS TECH Page 7

NATASJA VAN-GESTEL Farm/Field: 11

TTU Biology 2901 MAIN ST LID: 5.5

LUBBOCK, TX 79409 Test Method: Mehlich III Received: 12/6/2021 Processed: 12/8/2021

Sample ID	Lab	P		K		M	g	Ca	_	ŀ	Н	s		В	Z	n	M	n	F	е	C	u	Na	OM	ENR	CEC		% Bas	se Satı	ıration	
	Number	lbs	/A	lbs	/A	lbs	/A	lbs/	Α	Soil	Buffer	lbs	Α	lbs/A	lbs	s/A	lbs	s/A	lbs	/A	lbs	s/A	lbs/A	%	lbs/A	meq	K	Mg	Ca	Н	Na
C1	17842100	23	L	966	VH	1486	VH	2822	VH	8.7	7.85	28	М	8.7 VH	1.4	L	155	Α	67	М	2.6	М	239	0.79	16	16.2	7.6	38.2	43.5	7.4	3.2
R1	17842200	20	L	1008	VH	1578	VH	2865	VH	8.5	7.80	19	L	6.7 VH	1.5	L	167	Α	61	М	2.7	М	74	0.85	17	16.8	7.7	39.2	42.7	9.5	1.0
W1	17842300	22	L	985	VH	1663	VH	2914	VH	8.7	7.85	30	М	10.3 VH	1.4	L	164	Α	67	М	2.7	М	176	0.85	17	17.1	7.4	40.6	42.7	7.0	2.2
WR1	17842400	27	L	871	VH	1686	VH	2789	VH	8.7	7.85	32	М	8.8 VH	1.8	L	154	Α	66	М	2.6	М	177	0.84	17	16.7	6.7	42.1	41.8	7.2	2.3
C2	17842500	24	L	898	VH	1605	VH	2790	VH	8.7	7.85	20	L	9.0 VH	1.6	L	161	Α	65	М	2.6	М	214	0.80	16	16.5	7.0	40.6	42.3	7.3	2.8
R2	17842600	31	L	889	VH	1382	VH	2842	VH	8.2	7.80	19	L	5.5 VH	1.8	L	150	Α	57	М	2.5	М	66	3.59	72	15.7	7.2	36.6	45.1	10.2	0.9
W2	17842700	19	L	1022	VH	1584	VH	2975	VH	8.7	7.85	47	М	9.9 VH	1.5	L	162	Α	74	М	2.8	М	279	0.77	15	17.2	7.6	38.5	43.4	7.0	3.5
WR2	17842800	28	L	976	VH	1559	VH	2856	VH	8.4	7.85	62	Α	7.9 VH	2.0	L	150	Α	65	М	2.6	М	204	1.07	21	16.5	7.6	39.3	43.2	7.3	2.7
C1-2	17843500	18	L	865	VH	1798	VH	2791	VH	8.7	7.80	24	L	9.0 VH	1.4	L	169	Α	73	М	3.0	Α	190	0.91	18	17.6	6.3	42.6	39.7	9.1	2.3
R1-2	17843600	20	L	880	VH	1613	VH	2688	VH	8.6	7.85	31	М	8.0 VH	1.6	L	147	Α	65	М	2.6	М	189	0.80	16	16.2	7.0	41.5	41.5	7.4	2.5

Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

			Soil Fert	ility Recomm	endation	s (lbs/A)							
Sample ID	Crop	Yield	Lime Tons	Gypsum s/Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	Boron	Zn Zinc	Mn Manganese	Fe	Cu Copper
C1	NO CROP													
R1	NO CROP													
W1	NO CROP													
WR1	NO CROP													
C2	NO CROP													
R2	NO CROP													
W2	NO CROP													
WR2	NO CROP													
C1-2	NO CROP													
R1-2	NO CROP													

Explanation of Symbols - * (maintenance), % (percent), ppm (parts per million), lbs/A (pounds per acre), lbs/1000 sq. ft. (pounds per 1000 square feet), mmhos/cm (milli-mhos per centimeter), meq (meq/100g: milli-equivalent per 100 grams)

Comments:



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TEXAS TECH-DEPT OF BIOLOGY [60759]Grower: TEXAS TECHPage 8NATASJA VAN-GESTELFarm/Field: I1TTU Biology 2901 MAIN STLID:Target pH: 6.5LUBBOCK, TX 79409Test Method: Mehlich IIIReceived: 12/6/2021Processed: 12/8/2021

Sample ID	Lab	P	K		Mg		Ca		F	Н	S	;	В		Zn		Mn	1	F	е	C	u	Na	ОМ	ENR	CEC		% Bas	se Satu	ration	
	Number	lbs/A	lbs/	Ά	lbs/A	١	lbs/A	١	Soil	Buffer	lbs	/A	lbs/A		lbs/	4	lbs/	Ά	lbs	s/A	lbs	s/A	lbs/A	%	lbs/A	meq	K	Mg	Ca	Н	Na
W1-2	17843700	22 L	728	VH	1515	VH	2780	VH	8.1	7.80	20	L	7.5 VH	Η :	1.7	L	155	Α	90	М	2.8	М	171	0.65	13	16.2	5.8	39.0	43.0	9.9	2.3
WR-2	17843800	25 L	875	VH	1621	VH	2640	VH	8.3	7.85	40	М	7.5 VH	Η.	1.9	Г	154	Α	66	М	2.9	M	152	0.40	8	16.0	7.0	42.2	41.2	7.5	2.1
C2-2	17843900	17 L	781	VH	1814	VH	2816	VH	8.8	7.80	31	М	9.4 VH	Η.	1.4	Г	162	Α	67	М	2.8	M	266	0.35	7	17.8	5.6	42.5	39.6	9.0	3.3
R2-2	17844000	22 L	836	VH	1780	VH	2856	VH	8.6	7.80	26	М	7.9 VH	1 :	2.0	Г	164	Α	65	М	3.0	Α	196	0.37	7	17.7	6.1	42.0	40.4	9.1	2.4
W2-2	17844100	18 L	797	VH	1773	VH	2765	VH	8.7	7.85	23	L	8.7 VH	Η.	1.6	Г	162	Α	73	М	3.1	Α	207	0.83	17	17.0	6.0	43.5	40.7	7.1	2.7
WR2-2	17844200	17 L	867	VH	1821	VH	2839	VH	8.6	7.85	43	М	9.1 VH	Η.	1.6	Г	158	Α	68	М	2.9	M	258	0.39	8	17.6	6.3	43.2	40.4	6.8	3.2
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Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

			Soil Fert	ility Recomm	endation	s (lbs/A))							
Sample ID	Сгор	Yield	Lime Tons	Gypsum :/Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	Boron	Zn Zinc	Mn Manganese	Fe	Cu Copper
W1-2	NO CROP													
WR-2	NO CROP													
C2-2	NO CROP													
R2-2	NO CROP													
W2-2	NO CROP													
WR2-2	NO CROP													

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TEXAS TECH-DEPT OF BIOLOGY [60759] Grower: TEXAS TECH Page 9

NATASJA VAN-GESTEL Farm/Field: 12

TTU Biology 2901 MAIN ST LID: 6.5

LUBBOCK, TX 79409 Test Method: Mehlich III Received: 12/6/2021 Processed: 12/8/2021

Sample ID	Lab	Р		K		M)	Ca		ŗ	Н	5	6	В		Zn		Mn		Fe	;	С	u	Na	OM	ENR	CEC		% Bas	se Satı	ıration	
	Number	lbs/	Ά	lbs	/A	lbs	/A	lbs/	Α	Soil	Buffer	lbs	A/s	lbs/A		lbs/	4	lbs/	4	lbs	/A	lbs	/A	lbs/A	%	lbs/A	meq	K	Mg	Ca	Н	Na
C1	17842900	27	L	864	VH	1744	VH	3293	VH	8.4	7.80	33	М	9.9 V	/H	2.3	L	156	Α	105	Α	3.0	Α	189	0.92	18	18.6	5.9	39.0	44.2	8.6	2.2
R1	17843000	31	L	912	VH	1869	VH	3557	VH	8.5	7.80	17	L	8.0 V	/H	2.3	L	169	Α	85	М	3.2	Α	105	1.00	20	19.7	5.9	39.6	45.2	8.1	1.2
C1-2	17844300	20	L	1020	VH	1702	VH	3449	H	8.7	7.80	30	М	10.8 V	/H	1.7	Г	158	Α	75	М	3.4	Α	235	0.45	9	19.1	6.8	37.1	45.1	8.4	2.7
R1-2	17844400	19	L	861	VH	2141	VH	3267	H	8.7	7.80	27	М	9.6 V	/H	1.7	Г	163	Α	71	М	3.3	Α	216	0.46	9	20.3	5.4	44.0	40.3	7.9	2.3
W1-2	17844500	21	L	818	VH	1996	VH	3015	H	8.7	7.80	31	М	9.2 V	/H	1.4	Г	158	Α	70	М	3.1	Α	251	0.39	8	19.0	5.5	43.7	39.6	8.4	2.9
WR1-2	17844600	22	L	951	VH	1825	VH	3456	H	8.5	7.85	63	Α	9.9 V	/H	2.0	Г	157	Α	72	М	3.4	Α	250	0.54	11	19.2	6.3	39.6	45.0	6.2	2.8
C2-2	17844700	23	L	827	VH	2053	VH	3320	H	8.7	7.80	24	L	9.5 V	/H	1.6	Г	158	Α	70	М	3.2	Α	202	0.40	8	20.0	5.3	42.9	41.6	8.0	2.2
R2-2	17844800	21	L	950	VH	1855	VH	3389	H	8.7	7.85	49	М	9.6 V	/H	1.8	Г	151	Α	67	М	3.3	Α	258	0.47	9	19.2	6.3	40.3	44.2	6.3	2.9
W2-2	17844900	25	L	833	VH	2010	VH	3385	VH	8.7	7.85	43	М	10.4 V	/H	1.6	L	148	Α	75	М	3.2	Α	192	0.46	9	19.5	5.5	42.9	43.3	6.1	2.1
WR2-2	17845000	18	L	793	VH	2031	VH	3046	VH	8.7	7.85	37	М	9.2 V	/H	1.5	L	155	Α	67	М	3.2	Α	264	0.42	8	18.9	5.4	44.9	40.4	6.4	3.0

Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

			Soil Fert	ility Recomme	endation	s (lbs/A))							
Sample ID	Сгор	Yield	Lime Tons	Gypsum s/Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	Boron	Zn Zinc	Mn Manganese	Fe	Cu Copper
C1	NO CROP													
R1	NO CROP													
C1-2	NO CROP													
R1-2	NO CROP													
W1-2	NO CROP													
WR1-2	NO CROP													
C2-2	NO CROP													
R2-2	NO CROP													
W2-2	NO CROP													
WR2-2	NO CROP													

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TEXAS TECH-DEPT OF	F BIOLOGY [60	759]									r: TEXA	S TECH															Pag	ge 10			
NATASJA VAN-GESTEI TTU Biology 2901 MA LUBBOCK, TX 79409	AIN ST							т		n/Field LII lethod		ich III											Received:	12/6/	2021			rget pH		8/2021	1
Sample ID	Lab	ا	Р	K		Mç)	Ca	ı	ŗ	Н	S		В	Zı	1	Mn	ı	Fe		С	u	Na	ОМ	ENR	CEC		% Bas	se Satu	ration	
S	Number	lb	s/A	lbs	/A	lbs	/A	lbs/	Ά	Soil	Buffer	lbs/A	١	lbs/A	lbs	/A	lbs/	Ά	lbs	Ά	lbs	/ A	lbs/A	%	lbs/A	meq	K	Mg	Ca	Н	Na
W1	17845100	28	L	910	VH	1782	VH	3340	VH	8.8	7.85	37	М	11.3 VH	1.6	L	151	Α	74	М	2.9	М	228	0.41	8	18.6	6.3	39.8	44.8	6.4	2.7
WR1	17845200	24	L	889	VH	1833	VH	3431	VH	8.4	7.80	32	М	7.2 VH	2.3	L	159	Α	67	М	3.1	Α	113	0.58	12	19.2	5.9	39.8	44.7	8.3	1.3
C2	17845300	23	L	930	VH	1581	VH	3488	VH	8.8	7.85	37	М	10.5 VH	1.9	L	145	Α	74	М	2.8	М	330	0.40	8	18.4	6.5	35.8	47.3	6.5	3.9
R2	17845400	28	L	852	VH	1388	VH	3289	VH	8.4	7.80	24	L	6.6 VH	2.0	L	138	Α	69	М	2.7	М	144	0.41	8	17.0	6.4	34.0	48.3	9.4	1.8
W2	17845500	26	L	860	VH	1523	VH	3489	VH	8.8	7.80	58	Α	9.4 VH	1.5	L	146	Α	69	М	2.9	М	375	0.38	8	18.6	5.9	34.1	46.9	8.6	4.4
WR2	17845600	24	L	848	VH	1520	VH	3258	VH	8.7	7.85	41	М	7.9 VH	1.8	L	147	Α	70	М	2.8	М	293	0.53	11	17.4	6.2	36.4	46.8	6.9	3.7
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Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

			Soil Fert	ility Recomm	endation	s (lbs/A))							
Sample ID	Crop	Yield	Lime Tons	Gypsum :/Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	B Boron	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper
W1	NO CROP													
WR1	NO CROP													
C2	NO CROP													
R2	NO CROP													
W2	NO CROP													
WR2	NO CROP													

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TEXAS TECH-DEPT OF BIOLOGY [60759] Grower: TEXAS TECH Page 11

NATASJA VAN-GESTEL Farm/Field: 13

TTU Biology 2901 MAIN ST LID: 5.5

LUBBOCK, TX 79409 Test Method: Mehlich III Received: 12/6/2021 Processed: 12/8/2021

Sample ID	Lab	Р		K		Mç	9	Ca		ŗ	Н	5	;	В	Z	n	Mr		Fe	;	С	u	Na	ОМ	ENR	CEC		% Bas	se Satu	ıration	
	Number	lbs	/A	lbs	/A	lbs	/A	lbs/	Ά	Soil	Buffer	lbs	/A	lbs/A	lbs	s/A	lbs/	Ά	lbs	/A	lbs	/A	lbs/A	%	lbs/A	meq	K	Mg	Ca	Н	Na
C2	17843100	45	М	1168	VH	1835	VH	4277	VH	8.9	7.80	21	L	10.6 VH	1.9	L	188	Α	73	М	3.4	Α	301	0.86	17	22.1	6.8	34.6	48.4	7.2	3.0
R2	17843200	32	L	1056	VH	1927	VH	4514	VH	8.6	7.80	16	L	7.4 VH	1.9	L	195	Α	66	М	3.6	Α	98	0.99	20	22.5	6.0	35.7	50.2	7.1	0.9
W2	17843300	36	L	1065	VH	1824	VH	4431	VH	8.6	7.80	31	М	8.9 VH	1.9	L	186	Α	69	М	3.4	Α	244	1.01	20	22.2	6.2	34.3	50.0	7.2	2.4
WR2	17843400	49	М	1171	VH	1836	VH	4227	VH	8.7	7.85	22	L	10.4 VH	2.4	L	190	Α	71	M	3.5	Α	240	1.13	23	21.4	7.0	35.7	49.3	5.6	2.4
C1	17845700	37	L	1115	VH	1537	VH	3876	VH	8.6	7.85	21	L	8.6 VH	1.9	L	161	Α	67	M	3.1	Α	195	0.48	10	19.1	7.5	33.4	50.6	6.3	2.2
R1	17845800	36	L	1145	VH	1608	VH	3692	VH	8.7	7.85	27	М	10.0 VH	2.1	L	163	Α	63	M	3.1	Α	202	0.53	11	19.0	7.7	35.2	48.5	6.3	2.3
W1	17845900	39	L	1158	VH	1596	VH	3538	VH	8.7	7.80	35	М	9.4 VH	1.8	L	170	Α	66	М	3.3	Α	274	0.50	10	19.2	7.7	34.7	46.1	8.3	3.1
WR1	17846000	37	L	1153	VH	1743	VH	4124	VH	8.6	7.85	22	L	9.5 VH	2.2	L	166	Α	69	М	3.3	Α	96	0.60	12	20.5	7.2	35.5	50.4	5.9	1.0
C1-2	17846100	29	L	1032	VH	1846	VH	3809	VH	8.7	7.85	30	М	10.2 VH	1.8	L	172	Α	65	М	3.4	Α	259	0.46	9	20.3	6.5	37.9	46.9	5.9	2.8
R1-2	17846200	29	L	864	VH	2060	VH	3151	VH	8.3	7.80	23	L	7.0 VH	3.1	L	166	Α	61	М	3.4	Α	104	0.45	9	19.4	5.7	44.3	40.6	8.2	1.2

Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

			Soil Fer	ility Recomm	endation	s (lbs/A))							
Sample ID	Сгор	Yield	Lime Ton	Gypsum s/Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	Boron	Zn Zinc	Mn Manganese	Fe	Cu Copper
C2	NO CROP													
R2	NO CROP													
W2	NO CROP													
WR2	NO CROP													
C1	NO CROP													
R1	NO CROP													
W1	NO CROP													
WR1	NO CROP													
C1-2	NO CROP													
R1-2	NO CROP													

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TEXAS TECH-DEPT C	OF BIOLOGY [60	759]							6	Growe	r: TEXA	S TEC	H														Pag	ge 12			
NATASJA VAN-GEST TTU Biology 2901 M	1AIN ST							_		n/Field LII	D :	1:-1- 111											Danah sad	. 12/6/	/2024			get pH		0/202	1
Sample ID	Lab	ı	Р	K	(M	g	Ca			d: Mehl	iich iii		В	Z	n	Mı	n	F	е	C	u	Received Na	0M		CEC	Pro		l: 12/8 se Satu		
	Number	lbs	s/A	lbs	s/A	lbs	/A	lbs/	Ά	Soil	Buffer	lbs	s/A	lbs/A	lbs	s/A	lbs	/A	lbs	/A	lbs	s/A	lbs/A	%	lbs/A	meq	K	Mg	Ca	Н	Na
W1-2	17846300	27	L	1019	VH	1983	VH	3869	VH	8.4	7.75	22	L	8.8 VH	3.5	L	172	Α	67	М	3.4	Α	134	0.40	8	21.5	6.1	38.4	44.9	9.3	1.4
WR1-2	17846400	31	L	1059	VH	2418	VH	4277	VH	8.6	7.80	54	Α	10.4 VH	2.4	L	201	Н	67	М	4.1	Α	304	0.40	8	24.4	5.6	41.3	43.8	6.6	2.7
C2-2	17846500	32	L	1077	VH	2340	VH	3990	VH	8.5	7.80	29	М	9.9 VH	1.8	L	185	Α	65	М	3.7	Α	210	0.46	9	23.2	6.0	42.1	43.1	6.9	2.0
R2-2	17846600	28	L	874	VH	2221	VH	4150	VH	8.7	7.80	32	М	8.9 VH	2.0	L	179	Α	61	М	3.6	Α	192	0.47	9	22.8	4.9	40.6	45.6	7.0	1.8
W2-2	17846700	29	L	996	VH	2043	VH	4476	VH	8.7	7.80	38	М	10.9 VH	2.1	L	174	Α	63	М	3.4	Α	231	0.44	9	23.1	5.5	36.9	48.5	6.9	2.2
WR2-2	17846800	25	L	955	VH	2308	VH	3626	VH	8.7	7.80	25	М	7.9 VH	1.9	L	181	Α	59	М	3.6	Α	191	0.46	9	21.9	5.6	43.9	41.4	7.3	1.9
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Report values represent available plant nutrients in the soil. Rating Codes: L (Low), M (Medium), A (Adequate), H (High), VH (Very High) Abbreviations: ENR (Estimated Nitrogen Release), C.E.C. (Cation Exchange Capacity), OM (Organic Matter)

	Soil Fertility Recommendations (Ibs/A)													
Sample ID	Crop	Yield	Lime Tons	Gypsum /Acre	N Nitrogen	P Phosphate	K Potash	Mg Magnesium	S Sulfur	B Boron	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper
W1-2	NO CROP													
WR1-2	NO CROP													
C2-2	NO CROP													
R2-2	NO CROP													
W2-2	NO CROP													
WR2-2	NO CROP													

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