

SOIL ANALYSIS

Client: ELITE ENVIRONMENTAL PRODUCTS, LLC
P.O. BOX 163
TWIN FALLS, IDAHO 83303

Lab No.: 06-16S23364
Submitted Date: 06-16-22
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Submitted By: [REDACTED]

Material: SOIL PROFILE - ALFALFA - ESTABLISHED
GROWER: [REDACTED] - 2022

SP	pH	EC dS/m	Soil Solution Constituents								QUANT CaCO ₃ Equiv	LIME PRESENCE LP	Extracted Nutrients mg/kg									
			Na	Mg	Ca	Mg	Na	K	Cl	B			SO ₄ S	SAR	NO ₃ N	PO ₄ P	K	Zn	Mn	Fe	Cu	H ₂ O
1.	11-102CC2	2NT	0-12"	52	6.9	1.04	2.9	0.6	5.9	0.1	1.0	0.4	79	4.4	2.7	11.3	129	1.3	6.7	26.6	1.6	12.9
2.			12-24"	44	7.2	0.67	1.2	0.2	4.6	0.1	0.4	0.3	48	5.4	1.3	4.6	144	0.3	2.8	18.0	0.9	9.7
3.			24-36"	40	7.3	0.80	1.5	0.2	5.8	0.1	0.3	0.2	53	6.2	1.0	4.1	78	0.1	2.9	7.0	0.5	3.9
4.			36-48"	36	7.8	0.69	0.7	0.2	5.4	0.1	0.3	0.2	40	8.3	0.9	3.7	72	0.1	2.1	4.9	0.3	4.0
5.	11-102CC2	5Ht	0-12"	47	7.4	0.67	1.6	0.3	4.7	0.1	0.7	0.4	17	4.9	2.9	9.2	139	1.3	6.1	15.3	1.5	16.3
6.			12-24"	49	7.8	0.72	0.8	0.1	6.2	0.2	0.7	0.3	13	9.1	1.4	4.3	115	0.4	3.2	12.1	0.8	15.4
7.			24-36"	39	7.8	0.58	0.6	0.1	4.7	0.1	0.6	0.2	10	7.7	1.7	6.1	127	0.1	1.6	12.3	0.6	8.2
8.			36-48"	42	7.6	0.48	1.0	0.2	3.1	0.1	0.4	0.2	11	3.9	2.7	9.7	101	0.1	2.7	11.3	0.4	8.7

OPTIMUM RANGES
6.0-7.5 <4.00 >4.00 Ca >2x Mg & Na >0.4 <10 >0.2 >50 <1.5 <400

mg/kg	%CEC	AMMONIUM ACETATE EXTRACTED CATIONS (ppm - %)		mg/kg	TN	C:N Ratio	SPE Soluble Cations		mg/kg	%Organic Matter	%Organic Carbon	C.E.C. meq/100g Sum	SPE Cation mg/L	Ca %SPE	Mg %SPE	Na %SPE	K %SPE						
		Calcium	Potassium				Sodium	Hydrogen															
1.	11-102CC2	2NT	0-12"	2880	80.2	224	10.4	185	6.4	129	1.8	2	1.1	18.0	0.85	1.46	973	8.7	204	28.7	3.3	66.1	1.9
2.			12-24"	2838	81.3	189	9.0	194	6.9	144	2.1	1	0.6	17.4	0.31	0.54	739	4.2	135	17.8	1.9	77.4	3.0
3.			24-36"	2210	78.6	156	9.3	224	9.9	78	1.4	1	0.7	14.1	0.13	0.22	560	2.3	170	17.6	1.8	78.3	2.3
4.			36-48"	1705	76.6	133	10.0	193	10.9	72	1.7	1	0.9	11.1	0.12	0.20	500	2.3	145	9.8	1.3	86.2	2.7
5.	11-102CC2	5Ht	0-12"	2974	81.7	198	9.0	197	6.8	139	2.0	1	0.5	18.2	0.95	1.64	933	10.2	148	21.6	2.2	72.9	3.3
6.			12-24"	2508	76.1	152	7.7	363	13.8	115	1.8	1	0.6	16.5	0.41	0.71	469	8.8	165	9.2	1.1	85.8	4.0
7.			24-36"	2752	79.4	157	7.5	296	10.7	127	1.9	1	0.6	17.3	0.53	0.92	670	8.0	126	10.3	0.9	85.5	3.3
8.			36-48"	2634	85.8	135	7.3	111	4.5	101	1.7	1	0.7	15.3	0.62	1.07	584	10.6	98	21.5	2.0	72.5	4.0

DESIRED RANGES
>70% >100 10-20% <1.50 <5.0% >4.0%
RED = LOW BLUE = HIGH DOMINANT SOLUBLE SALT IS UNDERLINED. SEE ENCLOSED INTERPRETATION GUIDES. mg/L = ppm
>60% >20% >7%

IF YOU SHOULD HAVE ANY QUESTIONS, PLEASE CALL. THANK YOU.