

EF45 - BUCHLYVIE FARM SOIL TESTING RESULTS - 2022

Approved By: General Manager

Version: 1

Issue Date: 24 March 2021

Review Date: 24 March 2024



*Not Tested (NT) No Sample (NS)

ANALYSIS	PIVOT 1				PIVOT 2				PIVOT 3				PIVOT 4			
	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE
pH - pH units	6.2	7.7	8.1	7.33	6	5.6	8.1	6.57	6.7	7.3	7.7	7.23	6	6.3	7.6	6.63
Electrical Conductivity µS/cm	120	130	270	173.33	84	170	210	154.67	100	170	610	293.33	120	210	190	173.33
TKN-N - mg/kg	390	223	190	267.67	330	230	190	250.00	440	200	200	280.00	490	204	162	285.33
Available Phosphorus (Colwell P) - mg/kg	22.8	5	1	9.60	18.5	2.1	6.9	9.17	66.9	9.2	6	27.37	38.1	9.1	6.4	17.87
Emerson Aggregate Class - Class	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!
Permeability - mm/hr	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!
Exchangeable Calcium - mg/kg	1592	1821	1750	1721.00	1454	1272	1124	1283.33	1163	1304	1355	1274.00	1109	1481	2583	1724.33
Exchangeable Magnesium - mg/kg	411	1191	1705	1102.33	550	1341	1725	1205.33	298	1407	1437	1047.33	271	844	1530	881.67
Exchangeable Potassium - mg/kg	223	290	367	293.33	320	229	211	253.33	187	237	225	216.33	198	271	379	282.67
Exchangeable Sodium - mg/kg	60	462	795	439.00	221	258	737	405.33	119	361	821	433.67	212	241	616	356.33
Available Nitrate - mg/kg	1.3	1.6	0.16	1.02	0.18	0.2	0.95	0.44	0.35	6.5	0.1	2.32	0.29	4.4	2.4	2.36
Total Nitrogen - %	0.39	223	192	138.46	331	232	191	251.33	440	207	205	284.00	491	204	162	285.67
Cadium - mg/kg	0.5	0.5	0.5	0.50	0.5	0.5	0.5	0.50	0.5	0.5	0.6	0.53	0.5	0.5	0.5	0.50
Organic Carbon - %	1.3	0.4	0.1	0.60	1.8	0.3	0.1	0.73	1.7	0.4	0.1	0.73	1.9	0.2	0.1	0.73
Total Phosphorus - mg/kg	270	96.8	80.6	149.13	262	92.3	79.8	144.70	393	106	86.7	195.23	305	89.8	76.3	157.03
Chromium - mg/kg	30.5	32.5	34.3	32.43	31.5	39.1	36.2	35.60	42	38.7	32.4	37.70	25.8	27	31.2	28.00
Chromium VI- mg/kg	1	1	1	1.00	1	1	1	1.00	1	1	1	1.00	1	1	1	1.00
Total Sulfur (LECO) - %	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!
Available Phosphorus (Bray P) - mg/kg	9.9	1.2	4.4	5.17	14.9	1.3	1.1	5.77	35.4	1.7	3.2	13.43	20.3	2.1	3.3	8.57
Exchangeable Aluminium - mg/kg	3	1	1	1.67	4	15	1	6.67	9	1	1	3.67	18	2	1	7.00
SAR - SAR Units	1.27	1.03	5.55	2.62	1.47	3.25	4.56	3.09	1.27	1.52	5.73	2.84	1.43	2.22	2.4	2.02
Chloride - mg/kg	13	33	30	25.33	16	15	32	21.00	21	33	140	64.67	33	24	24	27.00
CEC - cmol/kg	12.27	21.7	27.2	20.39	13.7	19.42	23.64	18.92	9.46	17.36	22.77	16.53	9.59	16.2	29.17	18.32
ESP - %of ECEC	2.1	9.3	12.7	8.03	7	5.8	13.6	8.80	5.5	9	15.7	10.07	9.6	6.5	9.2	8.43

EF45 - BUCHLYVIE FARM SOIL TESTING RESULTS - 2022

Approved By: General Manager

Version: 1

Issue Date: 24 March 2021

Review Date: 24 March 2024



Leather Naturally

*Not Tested (NT) No Sample (NS)

ANALYSIS	PIVOT 5				IRRIGATION SECTOR 13				IRRIGATION SECTOR 14				IRRIGATION SECTOR 15			
	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE
pH - pH units	6.1	6.7	8.4	7.07	5.9	6.6	8.1	6.87	6.8	7.1	8.4	7.43	6	6.3	7.9	6.73
Electrical Conductivity µS/cm	90	160	460	236.67	120	160	380	220.00	470	210	560	413.33	150	210	200	186.67
TKN-N - mg/kg	380	160	180	240.00	1400	200	180	593.33	460	160	180	266.67	340	180	190	236.67
Available Phosphorus (Colwell P) - mg/kg	50.4	6.3	2.7	19.80	56.3	10.9	8.7	25.30	76	9.8	7.8	31.20	111.4	9.9	11.3	44.20
Emerson Aggregate Class - Class	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!
Permeability - mm/hr	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!
Exchangeable Calcium - mg/kg	918	1361	1905	1394.67	24	19	14	19.00	50	28	7.5	28.50	19	9.9	7.8	12.23
Exchangeable Magnesium - mg/kg	234	1296	1765	1098.33	3.7	27	8.9	13.20	14	59	19	30.67	4.2	8.9	17	10.03
Exchangeable Potassium - mg/kg	135	213	361	236.33	200	189	263	217.33	239	270	335	281.33	249	291	327	289.00
Exchangeable Sodium - mg/kg	130	527	1083	580.00	15	47	87	49.67	130	71	75	92.00	25	59	67	50.33
Available Nitrate - mg/kg	0.33	3.8	0.14	1.42	0.15	0.1	0.18	0.14	0.1	4.4	4.9	3.13	0.84	1.3	3.4	1.85
Total Nitrogen - %	380	164	181	241.67	1400	202	180	594.00	460	165	185	270.00	341	183	194	239.33
Cadium - mg/kg	0.5	0.5	0.5	0.50	0.5	0.5	0.5	0.50	0.5	0.5	0.5	0.50	0.5	0.5	0.5	0.50
Organic Carbon - %	1.5	0.1	0.1	0.57	1.5	0.2	0.1	0.60	1.6	0.1	0.1	0.60	1.2	0.1	0.1	0.47
Total Phosphorus - mg/kg	346	65.3	75.8	162.37	456	105	144	235.00	369	70.2	85.2	174.80	302	86.8	87.1	158.63
Chromium - mg/kg	27.6	22.1	28.9	26.20	21	27	30	26.00	31	28	36	31.67	24	29	28	27.00
Chromium VI - mg/kg	1	1	1	1.00	1	1	1	1.00	1	1	1	1.00	1	1	1	1.00
Total Sulfur (LECO) - %	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!
Available Phosphorus (Bray P) - mg/kg	33.7	1.8	2.4	12.63	50.1	2.3	3.7	18.70	35.7	1.9	2.1	13.23	70.1	3	2.6	25.23
Exchangeable Aluminium - mg/kg	20	1	1	7.33	1	1	1	1.00	5	1	1	2.33	8	1	1	3.33
SAR - SAR Units	1.5	1.82	8.05	3.79	0.75	1.62	4.47	2.28	4.19	1.75	3.31	3.08	1.35	3.28	3.08	2.57
Chloride - mg/kg	28	30	56	38.00	24	21	19	21.33	150	80	120	116.67	28	56	37	40.33
CEC - cmol/kg	7.81	20.36	29.59	19.25	8.53	12.04	16.37	12.31	9.05	20.33	22.02	17.13	9.69	17.87	25.33	17.63
ESP - %of ECEC	7.2	11.3	15.9	11.47	5.2	6.8	8.3	6.77	13.7	11.8	10.9	12.13	9.8	7.2	12.9	9.97

EPA ID LOCATION: 31, 24, 25, 26
EPA LICENSE NUMBER: 3465