

Table 5: Spring and summer soil test at two depths in the sap and business as usual (BAU) fields in 2025.

Date	Field	Management	Depth		pH	OM %	NO3- N ppm	P ppm	S ppm	K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm	Fe ppm	Mn ppm	Cu ppm	B ppm	TOC <sup>1</sup> %
			(in)																
4/8/2025	Site 1	BAU	0-6		4.4	3.1	<b>5.4</b>	54.3	<b>5.3</b>	311	940	172	6.7	<b>0.70</b>	179	45	2.0	<b>0.6</b>	1.6
8/1/2025	Site 1	BAU	0-6		5.9	3.1	<b>4.2</b>	63.3	<b>7.3</b>	795	1393	168	9.6	<b>1.30</b>	219	56	2.2	1.3	1.6
4/8/2025	Site 1	BAU	6-12		5.1	2.5	<b>1.8</b>	37.4	<b>4.8</b>	293	1495	274	11.1	<b>0.71</b>	137	29	2.4	1.9	1.2
8/1/2025	Site 1	BAU	6-12		6.3	2.5	<b>1.5</b>	43	<b>4.6</b>	353	1496	233	9.4	<b>0.77</b>	174	41	2.7	1.2	1.3
4/8/2025	Site 1	SAP	0-6		4.6	3	<b>3.9</b>	57.8	<b>5</b>	343	1130	207	7.1	<b>0.70</b>	188	42	2.2	<b>0.5</b>	1.5
8/1/2025	Site 1	SAP	0-6		5.6	3.2	<b>1.0</b>	67.8	<b>7.4</b>	399	980	161	8.8	<b>0.94</b>	228	55	2.1	1.4	2.0
4/8/2025	Site 1	SAP	6-12		5.3	2.6	<b>2.0</b>	34.4	<b>2.6</b>	269	1535	263	7.8	<b>0.46</b>	117	24	2.3	<b>0.5</b>	1.2
8/1/2025	Site 1	SAP	6-12		6.2	2.6	<b>0.7</b>	47.1	<b>4.7</b>	318	1471	229	9.4	<b>0.65</b>	164	39	2.6	1.4	1.4
4/9/2025	Site 2	BAU	0-6		4.6	3.4	<b>10.3</b>	78.4	13.9	273	1458	232	13	<b>1.40</b>	226	65	2.6	2.1	1.8
8/1/2025	Site 2	BAU	0-6		5.7	3.9	3.1	23.5	<b>4.7</b>	225	1277	100	15	<b>0.42</b>	141	58	1.0	<b>0.9</b>	1.9
4/9/2025	Site 2	BAU	6-12		4.6	2.9	<b>8.4</b>	48.3	15.6	155	1663	247	16.4	<b>0.82</b>	204	46	2.9	2.0	1.4
8/1/2025	Site 2	BAU	6-12		5.4	3	2.3	52.7	13.4	157	1878	286	14.7	<b>0.66</b>	204	75	3.0	<b>0.8</b>	1.2
4/9/2025	Site 2	SAP	0-6		4.4	3.4	8.3	65.8	11.6	235	1235	219	12.5	<b>1.13</b>	205	68	2.3	1.9	2.0
8/1/2025	Site 2	SAP	0-6		5.9	4	<b>3.4</b>	61.2	11.5	298	1596	251	10.8	<b>0.96</b>	209	78	2.6	<b>0.9</b>	1.9
4/9/2025	Site 2	SAP	6-12		4.5	2.5	8.2	46.9	13.9	<b>108</b>	1445	278	14.5	<b>0.56</b>	182	50	2.4	1.5	1.2
8/1/2025	Site 2	SAP	6-12		5.7	2.9	<b>2.0</b>	36.9	10.7	<b>116</b>	2014	359	17.3	<b>0.55</b>	187	60	2.8	1.4	1.0
4/8/2025	Site 3	BAU	0-6		4.3	3.1	<b>4.0</b>	78.4	9.2	227	1020	182	12	<b>1.05</b>	247	64	2.3	2.1	1.6
8/1/2025	Site 3	BAU	0-6		5.4	3.5	<b>1.7</b>	54.9	10	217	1052	188	10.7	<b>1.30</b>	226	63	2.5	<b>0.8</b>	1.7
4/8/2025	Site 3	BAU	6-12		4.5	2.6	<b>3.8</b>	60.8	9.7	138	1265	208	16	<b>0.92</b>	231	55	2.5	2.0	1.2
8/1/2025	Site 3	BAU	6-12		5.3	3	<b>2.0</b>	49.9	8.1	131	1385	208	11.1	<b>0.70</b>	216	56	3.0	<b>0.7</b>	1.2
4/8/2025	Site 3	SAP	0-6		4.5	3.4	8.1	54.5	8.4	218	941	163	9.3	<b>1.00</b>	205	92	2.0	2.0	1.8
8/1/2025	Site 3	SAP	0-6		5.5	3.4	<b>2.4</b>	72.8	10.4	250	1412	189	10.7	<b>1.27</b>	275	83	2.6	<b>0.9</b>	1.9
4/8/2025	Site 3	SAP	6-12		4.5	2.8	<b>3.3</b>	47.4	<b>7.6</b>	138	1065	186	12.4	<b>0.73</b>	193	42	2.4	1.8	1.3
8/1/2025	Site 3	SAP	6-12		5.5	2.8	<b>2.8</b>	52.8	8.8	143	1346	211	18.4	<b>0.93</b>	245	62	2.9	<b>0.8</b>	1.2

<sup>1</sup> TOC, total organic carbon