

Absaroka Solutions  
Project 1055  
112 High Street  
Buffalo, WY 82834

Date Received: 4/24/2025  
Date Reported: 5/9/2025

Lab ID: 2025S2088 to 2025S2102

Lab ID	Sample ID	Depth in	pH 1:1	EC 1:1 mmho/cm	Lime Estimate	OM (%)	KCl NO <sub>3</sub> <sup>-</sup>	Olsen Bicarbonate P	CA-P S	Ammonium Acetate				* CEC meq/100 g	Base Saturation				DTPA			N lb/1000		
										K	Ca**	Mg	Na		H	K	Ca	Mg	Na	Zn	Fe		Mn	Cu
2025S2088	MPU_13-25_S5-01@0-6"	0-6	8.2	0.16	HIGH	0.85	4	20	1	492	2361	186	10	14.7	0	9	81	11	0	0.69	3.07	4.28	0.74	4
2025S2089	MPU_13-25_S5-01@6-12"	6-12	7.9	0.05	NONE	0.6	1	21	1	324	1772	210	6	11.5	0	7	77	15	0	0.15	5.70	8.77	0.02	1
2025S2090	MPU_13-25_S5-01@12-24"	12-24	8.0	0.1	NONE	0.35	2	12	1	267	1547	245	12	10.5	0	7	74	19	0	0.18	4.90	2.80	0.59	4
2025S2091	MPU_13-25_S5-02@0-6"	0-6	8.6	0.08	HIGH	0.41	6	5	1	277	2206	176	5	13.2	0	5	83	11	0	0.12	3.41	2.40	0.71	6
2025S2092	MPU_13-25_S5-02@6-12"	6-12	8.3	0.11	HIGH	0.24	<1	1	1	160	1920	200	10	11.7	0	3	82	14	0	0.15	2.54	1.03	0.40	<1
2025S2093	MPU_13-25_S5-02@12-24"	12-24	8.9	0.07	HIGH	0.2	<1	1	1	133	1377	293	9	9.7	0	4	71	25	0	0.27	2.72	0.92	0.32	<1
2025S2094	MPU_13-25_S5-03@0-6"	0-6	8.3	0.12	HIGH	0.85	3	4	2	240	2238	151	22	13.2	0	5	85	10	1	0.68	2.33	1.50	0.89	3
2025S2095	MPU_13-25_S5-03@6-12"	6-12	8.8	0.1	HIGH	0.45	1	<1	5	156	2003	217	32	12.4	0	3	81	15	1	0.10	2.04	0.92	0.44	1
2025S2096	MPU_13-25_S5-03@12-24"	12-24	8.6	0.12	HIGH	0.36	<1	<1	3	116	1520	243	29	10.1	0	3	76	20	1	0.05	2.00	0.91	0.36	<1
2025S2097	MPU_13-25_S5-04@0-6"	0-6	8.6	0.1	HIGH	0.49	2	6	2	282	1903	194	17	11.9	0	6	80	14	1	1.63	2.09	1.64	0.79	2
2025S2098	MPU_13-25_S5-04@6-12"	6-12	8.2	0.19	HIGH	0.5	4	2	11	218	1909	302	40	12.8	0	4	75	20	1	0.73	2.64	1.52	0.58	4
2025S2099	MPU_13-25_S5-04@12-24"	12-24	8.6	0.16	HIGH	0.52	11	<1	14	150	1863	296	40	12.3	0	3	75	20	1	0.47	1.80	1.53	0.53	22
2025S2100	MPU_13-25_BG@0-6"	0-6	8.3	0.17	HIGH	0.96	7	2	4	723	3217	592	38	23.0	0	8	70	21	1	0.12	1.89	2.10	0.04	7
2025S2101	MPU_13-25_BG@6-12"	6-12	8.7	0.13	HIGH	0.34	4	<1	5	172	1794	463	37	13.4	0	3	67	29	1	0.15	1.87	1.02	0.59	4
2025S2102	MPU_13-25_BG@12-24"	12-24	8.8	0.22	HIGH	0.61	6	<1	4	662	2415	1272	317	25.7	0	7	47	41	5	0.19	2.48	1.77	0.85	12

ppm = mg/Kg

Lab ID	Sample ID	Depth in	Saturated Paste											Soil Texture			CaCO <sub>3</sub> (CCE) %		
			Saturation %	pH	EC mmho/cm	SAR	Bicarbonate	Ca <sup>2+</sup>	Mg <sup>2+</sup>	Na <sup>1+</sup>	K <sup>1+</sup>	Cl <sup>-</sup>	SO <sub>4</sub> <sup>2-</sup>	ESP %	Sand	Silt		Clay	Class
2025S2088	MPU_13-25_S5-01@0-6"	0-6	27	8.2	0.33	0.09	6.60	2.89	0.48	0.12	0.27	0.34	0.32	0	64	15	21	Sandy Clay Loam	0.25
2025S2089	MPU_13-25_S5-01@6-12"	6-12	27	7.9	0.20	0.18	5.60	1.70	0.49	0.19	0.21	0.35	0.24	0	67	15	18	Sandy Loam	0.00
2025S2090	MPU_13-25_S5-01@12-24"	12-24	20	8.0	0.27	0.18	4.30	2.05	0.67	0.21	0.26	0.36	0.28	0	75	10	15	Sandy Loam	0.00
2025S2091	MPU_13-25_S5-02@0-6"	0-6	24	8.6	0.26	0.12	5.42	2.24	0.40	0.14	0.16	0.33	0.24	0	80	5	15	Sandy Loam	0.31
2025S2092	MPU_13-25_S5-02@6-12"	6-12	23	8.3	0.23	0.13	7.24	1.90	0.41	0.14	0.10	0.32	0.20	0	77	8	15	Sandy Loam	1.55
2025S2093	MPU_13-25_S5-02@12-24"	12-24	20	8.9	0.18	0.17	5.28	1.33	0.56	0.17	0.29	0.32	0.26	0	80	5	15	Sandy Loam	0.72
2025S2094	MPU_13-25_S5-03@0-6"	0-6	22	8.3	0.35	0.15	3.33	3.10	0.47	0.20	0.20	0.38	0.55	1	69	10	21	Sandy Clay Loam	1.55
2025S2095	MPU_13-25_S5-03@6-12"	6-12	22	8.8	0.33	0.4	6.31	2.38	0.59	0.49	0.16	0.36	1.01	1	72	5	23	Sandy Clay Loam	2.59
2025S2096	MPU_13-25_S5-03@12-24"	12-24	20	8.6	0.32	0.2	4.51	4.03	0.74	0.31	0.26	0.37	0.55	1	77	8	15	Sandy Loam	1.43
2025S2097	MPU_13-25_S5-04@0-6"	0-6	21	8.6	0.32	0.58	4.58	3.86	1.33	0.94	0.17	0.45	2.28	1	72	10	18	Sandy Loam	1.95
2025S2098	MPU_13-25_S5-04@6-12"	6-12	24	8.2	0.57	0.61	4.20	3.88	1.33	0.99	0.18	0.46	2.41	1	72	8	20	Sandy Clay Loam	1.60
2025S2099	MPU_13-25_S5-04@12-24"	12-24	24	8.6	0.86	0.79	4.10	6.23	2.14	1.61	0.13	0.62	3.08	1	67	10	23	Sandy Clay Loam	1.37
2025S2100	MPU_13-25_BG@0-6"	0-6	36	8.3	0.43	0.23	4.38	2.89	1.09	0.32	0.31	0.42	0.64	1	39	26	34	Clay Loam	2.04
2025S2101	MPU_13-25_BG@6-12"	6-12	22	8.7	0.53	0.6	5.72	3.11	1.70	0.93	0.13	0.80	1.19	1	69	10	20	Sandy Clay Loam	0.91
2025S2102	MPU_13-25_BG@12-24"	12-24	29	8.8	0.75	3.91	3.45	1.53	1.30	4.65	0.26	3.06	0.67	5	37	16	48	Loam	3.99

ppm = mg/Kg

Lab ID	Sample ID	Depth in	Fertilizer Rate Recommendations										
			** N	P2O5	K2O	S	Zn	Fe	Mn	Cu			
2025S2088	MPU_13-25_S5-01@0-6"												
2025S2091	MPU_13-25_S5-02@0-6"												
2025S2094	MPU_13-25_S5-03@0-6"												
2025S2097	MPU_13-25_S5-04@0-6"												
2025S2100	MPU_13-25_BG@0-6"												

\*\* N rate recommendations are based on 24" depth  
Unknown crop to be grown. Fertilizer rate recommendations could not be provided.