

Cornell Soil Health Test Reports

Indicators		Farm 1 Asparagus patch		Farm 2 Cover crop		Farm 3 Pumpkin field		Farm 4 Alfalfa pasture		Farm 5 Corn field		Farm 6 Potato field	
		Value	Rating	Value	Rating	Value	Rating	Value	Rating	Value	Rating	Value	Rating
physical	Aggregate Stability (%)	38.4	57	75.3	98	49.1	77	21.4	24	33.7	47	78.1	99
	Available Water Capacity (m/m)	0.28	99	0.25	96	0.32	100	0.18	68	0.15	44	0.21	85
	Surface Hardness (psi)	178	48	205	35	473	0	109	77	153	60	146	63
	Subsurface Hardness (psi)	700	0	518	1	498	1	389	15	350	27	350	27
biological	Organic Matter (%)	8.0	100	6.1	98	6.6	99	3.6	54	2.7	28	4.3	72
	Active Carbon (ppm)	1045	99	537	34	1144	100	425	16	352	8	515	30
chemical	pH	7.3	89	4.8	0	7.3	89	6.6	100	6.1	67	5.1	0
	Extractable phosphorus	81.9	11	1.0	17	35.6	22	1.8	44	3.2	44	3.4	44
	Extractable potassium	303.7	100	94.1	100	394.6	100	61.5	100	177.9	100	111.1	100
Overall Score (out of 100)		High	70.2	Medium	57.9	Medium	68.8	Medium	59.8	Low	52.5	Medium	61.9

Indicators		Farm 7 Apple orchard		Farm 8 Pasture		Farm 9 Tomato field		Farm 10 Squash field		Farm 11 Squash field		Farm 12 Tomato field	
		Value	Rating	Value	Rating	Value	Rating	Value	Rating	Value	Rating	Value	Rating
physical	Aggregate Stability (%)	39.6	60	32.5	45	34.5	49	17.5	18	22.1	25	10.9	10
	Available Water Capacity (m/m)	0.31	100	0.16	53	0.16	47	0.29	99	0.28	99	0.26	98
	Surface Hardness (psi)	157	58	378	1	304	6	147	62	354	2	170	51
	Subsurface Hardness (psi)	417	9	675	0	350	27	518	1	354	25	350	27
biological	Organic Matter (%)	6.1	98	4.4	74	3.5	51	5.0	87	7.0	100	4.1	67
	Active Carbon (ppm)	668	62	501	28	524	32	560	39	934	96	432	17
chemical	pH	6.2	89	6.8	100	6.7	100	6.3	100	7.1	100	6.8	100
	Extractable phosphorus	15.5	100	37.8	22	13.7	100	9.5	100	104.7	0	6.1	100
	Extractable potassium	210.9	100	149.3	100	102.5	100	135.5	100	268.9	100	154.8	100
Overall Score (out of 100)		High	77.5	Low	52.2	Medium	61.1	High	70.6	Medium	64.6	Medium	67.0