Physical Properties of the Soils

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Sioux County, Iowa

Map symbol and soil name	Component percent	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
1B3:													
Ida----------	100	0-8	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.7-1.7	.43	.43	4	4L	86
		8-60	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
1C3:													
Ida----------	95	0-7	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.7-1.7	.43	.43	4	4L	86
		7-60	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
1D3:													
Ida----------	95	0-5	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.7-1.7	.43	.43	4	4L	86
		5-60	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
8B:													
Judson----------	95	0-30	27-32	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	5	7	38
		30-46	30-35	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.43	.43			
		46-60	25-32	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	0.0-1.0	.43	.43			
11B:													
Radford----------	50	0-31	18-27	1.40-1.60	0.6-2	0.22-0.24	0.0-2.9	1.0-4.0	.28	.28	5	6	48
		31-60	24-35	1.35-1.55	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.28	.28			
Judson----------	35	0-30	27-32	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	1.0-4.0	.28	.28	5	7	38
		30-46	30-35	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.43	.43			
		46-60	25-32	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	0.0-1.0	.43	.43			
26:													
Kennebec----------	95	0-47	27-30	1.25-1.35	0.6-2	0.22-0.24	3.0-5.9	4.0-6.0	.28	.28	5	7	38
		47-60	24-28	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
27B:													
Terril----------	90	0-25	18-26	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	5	6	48
		25-60	24-30	1.40-1.45	0.6-2	0.17-0.19	0.0-2.9	2.0-3.0	.28	.28			
28B:													
Dickman----------	90	0-17	6-18	1.30-1.40	2-6	0.13-0.15	0.0-2.9	1.5-2.5	.20	.20	3	3	86
		17-39	6-18	1.35-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.5	.20	.20			
		39-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			

Physical Properties of the Soils

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Sioux County, Iowa

Map symbol and soil name	Component percent	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
28C2:													
Dickman----------	95	0-17	6-18	1.30-1.40	2-6	0.13-0.15	0.0-2.9	1.0-2.0	.20	.20	3	3	86
		17-39	6-18	1.35-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.20	.20			
		39-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
28D2:													
Dickman----------	95	0-17	6-18	1.30-1.40	2-6	0.13-0.15	0.0-2.9	1.0-2.0	.20	.20	3	3	86
		17-39	6-18	1.35-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.20	.20			
		39-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
31:													
Afton----------	95	0-31	33-38	1.25-1.30	0.2-0.6	0.21-0.23	6.0-8.9	6.0-7.0	.32	.32	5	4	86
		31-44	25-35	1.25-1.30	0.2-0.6	0.18-0.20	6.0-8.9	1.0-2.0	.43	.43			
		44-60	25-30	1.30-1.45	0.1-2	0.14-0.16	3.0-5.9	0.0-0.5	.43	.43			
32:													
Spicer----------	95	0-9	29-35	1.20-1.30	0.6-2	0.18-0.24	3.0-5.9	6.0-7.0	.28	.28	5	4L	86
		9-18	18-35	1.25-1.35	0.6-2	0.16-0.22	3.0-5.9	3.0-5.0	.37	.37			
		18-38	18-35	1.25-1.35	0.6-2	0.16-0.22	0.0-2.9	1.0-2.0	.37	.37			
		38-60	18-32	1.50-1.70	0.6-2	0.14-0.19	0.0-2.9	0.0-2.0	.28	.28			
33C2:													
Steinauer----------	100	0-6	27-32	1.30-1.60	0.2-0.6	0.17-0.19	3.0-5.9	2.2-3.2	.32	.32	5	4L	86
		6-14	27-32	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	1.0-2.2	.32	.32			
		14-60	24-35	1.50-1.80	0.2-0.6	0.14-0.19	3.0-5.9	0.0-1.0	.32	.32			
33D2:													
Steinauer----------	100	0-6	27-32	1.30-1.60	0.2-0.6	0.17-0.19	3.0-5.9	2.2-3.2	.32	.32	5	4L	86
		6-14	27-32	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	1.0-2.2	.32	.32			
		14-60	24-35	1.50-1.80	0.2-0.6	0.14-0.19	3.0-5.9	0.0-1.0	.32	.32			
33E2:													
Steinauer----------	95	0-6	27-32	1.30-1.60	0.2-0.6	0.17-0.19	3.0-5.9	2.2-3.2	.32	.32	5	4L	86
		6-14	27-32	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	1.0-2.2	.32	.32			
		14-60	24-35	1.50-1.80	0.2-0.6	0.14-0.19	3.0-5.9	0.0-1.0	.32	.32			

Physical Properties of the Soils

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Sioux County, Iowa

Map symbol and soil name	Component percent	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
33G:													
Steinauer----------	95	0-6	27-32	1.30-1.60	0.2-0.6	0.17-0.19	3.0-5.9	3.0-4.0	.32	.32	5	4L	86
		6-14	27-32	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	1.0-3.0	.32	.32			
		14-60	24-35	1.50-1.80	0.2-0.6	0.14-0.19	3.0-5.9	0.0-1.0	.32	.32			
54:													
Zook----------	90	0-9	35-40	1.30-1.35	0.2-0.6	0.21-0.23	6.0-8.9	5.0-7.0	.37	.37	5	7	38
		9-38	36-45	1.30-1.45	0.06-0.2	0.11-0.13	6.0-8.9	2.0-4.0	.28	.28			
		38-60	20-45	1.30-1.45	0.0000-0.6	0.11-0.22	6.0-8.9	0.0-1.0	.28	.28			
72:													
Estherville----------	100	0-14	10-18	1.35-1.45	2-6	0.19-0.22	0.0-2.9	3.0-4.0	.28	.28	3	5	56
		14-18	10-18	1.35-1.60	2-6	0.12-0.19	0.0-2.9	0.0-0.5	.20	.20			
		18-60	0-8	1.50-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
72B:													
Estherville----------	100	0-14	10-18	1.35-1.45	2-6	0.19-0.22	0.0-2.9	3.0-4.0	.28	.28	3	5	56
		14-18	10-18	1.35-1.60	2-6	0.12-0.19	0.0-2.9	0.0-0.5	.20	.20			
		18-60	0-8	1.50-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
72D2:													
Estherville----------	100	0-14	10-18	1.35-1.45	2-6	0.19-0.22	0.0-2.9	2.2-3.2	.28	.28	3	5	56
		14-18	10-18	1.35-1.60	2-6	0.12-0.19	0.0-2.9	0.0-0.5	.20	.20			
		18-60	0-8	1.50-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
78B2:													
Sac----------	100	0-8	32-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.7-3.7	.32	.32	5	7	38
		8-28	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		28-60	27-32	1.40-1.60	0.2-0.6	0.11-0.14	3.0-5.9	0.0-1.0	.37	.37			
78C2:													
Sac----------	100	0-8	32-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.7-3.7	.32	.32	5	7	38
		8-28	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		28-60	27-32	1.40-1.60	0.2-0.6	0.11-0.14	3.0-5.9	0.0-1.0	.37	.37			

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Sioux County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
78D2:													
Sac----------	95	0-8	32-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.7-3.7	.32	.32	5	7	38
		8-28	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		28-60	27-32	1.40-1.60	0.2-0.6	0.11-0.14	3.0-5.9	0.0-1.0	.37	.37			
91:													
Primghar----------	95	0-20	35-39	1.25-1.30	0.6-2	0.21-0.23	6.0-8.9	5.0-6.0	.28	.28	5	4	86
		20-33	30-35	1.30-1.35	0.6-2	0.18-0.20	6.0-8.9	2.0-4.0	.43	.43			
		33-60	25-30	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
91B:													
Primghar----------	95	0-20	35-39	1.25-1.30	0.6-2	0.21-0.23	6.0-8.9	5.0-6.0	.28	.28	5	4	86
		20-33	30-35	1.30-1.35	0.6-2	0.18-0.20	6.0-8.9	2.0-4.0	.43	.43			
		33-60	25-30	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
92:													
Marcus----------	95	0-19	35-40	1.30-1.35	0.2-0.6	0.21-0.23	6.0-8.9	6.0-7.0	.28	.28	5	4	86
		19-41	30-35	1.35-1.40	0.2-0.6	0.18-0.20	6.0-8.9	3.0-5.0	.43	.43			
		41-60	22-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
108:													
Wadena----------	95	0-17	18-27	1.30-1.50	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	4	6	48
		17-27	18-30	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.5-1.0	.32	.32			
		27-60	1-5	1.55-1.65	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
108B:													
Wadena----------	100	0-17	18-27	1.30-1.50	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	4	6	48
		17-27	18-30	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.5-1.0	.32	.32			
		27-60	1-5	1.55-1.65	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
116:													
Graceville----------	95	0-38	27-34	1.15-1.25	0.6-2	0.19-0.22	3.0-5.9	3.5-4.5	.32	.32	4	7	38
		38-45	25-34	1.20-1.35	0.6-2	0.17-0.22	3.0-5.9	1.0-3.0	.32	.32			
		45-60	2-10	1.50-1.70	6-20	0.03-0.06	0.0-2.9	0.0-0.5	.10	.28			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
133:													
Colo----------	90	0-24	27-36	1.28-1.32	0.6-2	0.21-0.23	3.0-5.9	5.0-7.0	.28	.28	5	7	38
		24-38	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		38-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
203:													
Cylinder----------	95	0-7	22-27	1.40-1.45	0.6-2	0.20-0.22	3.0-5.9	4.0-5.0	.24	.24	4	6	48
		7-35	22-30	1.45-1.60	0.6-2	0.17-0.19	3.0-5.9	2.0-3.0	.32	.32			
		35-60	2-12	1.60-1.70	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.10	.15			
259:													
Biscay----------	95	0-17	18-30	1.20-1.30	0.6-2	0.20-0.22	3.0-5.9	5.5-6.5	.28	.28	4	6	48
		17-25	18-30	1.25-1.35	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.28	.28			
		25-35	10-28	1.35-1.55	2-6	0.11-0.17	0.0-2.9	0.5-1.0	.28	.32			
		35-60	1-6	1.55-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.05	.10			
308:													
Wadena----------	100	0-16	18-27	1.30-1.50	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	4	6	48
		16-36	18-30	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.5-1.0	.32	.32			
		36-60	1-5	1.55-1.65	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
308B:													
Wadena----------	100	0-16	18-27	1.30-1.50	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	4	6	48
		16-36	18-30	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.5-1.0	.32	.32			
		36-60	1-5	1.55-1.65	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
309:													
Allendorf----------	95	0-15	27-32	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	3.5-4.5	.28	.28	4	4	38
		15-30	24-32	1.25-1.40	0.6-2	0.20-0.22	3.0-5.9	0.5-1.0	.43	.43			
		30-35	18-24	1.40-1.50	0.6-2	0.15-0.19	0.0-2.9	0.0-0.5	.24	.24			
		35-60	2-8	1.50-1.70	20-101	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			
309B:													
Allendorf----------	95	0-15	27-32	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.28	.28	4	4	38
		15-30	24-32	1.25-1.40	0.6-2	0.20-0.22	3.0-5.9	0.5-1.0	.43	.43			
		30-35	18-24	1.40-1.50	0.6-2	0.15-0.19	0.0-2.9	0.0-0.5	.24	.24			
		35-60	2-8	1.50-1.70	20-101	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			

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Sioux County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
309B2:													
Allendorf----------	100	0-15	27-32	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	2.0-3.0	.32	.32	4	4	38
		15-30	24-32	1.25-1.40	0.6-2	0.20-0.22	3.0-5.9	0.5-1.0	.43	.43			
		30-35	18-24	1.40-1.50	0.6-2	0.15-0.19	0.0-2.9	0.0-0.5	.24	.24			
		35-60	2-8	1.50-1.70	20-101	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			
309C2:													
Allendorf----------	100	0-15	27-32	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	2.0-3.0	.32	.32	4	4	38
		15-30	24-32	1.25-1.40	0.6-2	0.20-0.22	3.0-5.9	0.5-1.0	.43	.43			
		30-35	18-24	1.40-1.50	0.6-2	0.15-0.19	0.0-2.9	0.0-0.5	.24	.24			
		35-60	2-8	1.50-1.70	20-101	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			
310:													
Galva----------	100	0-14	34-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	4.0-5.0	.32	.32	5	4	86
		14-43	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		43-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
310B:													
Galva----------	95	0-14	34-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.5-4.5	.32	.32	5	4	86
		14-43	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		43-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
310B2:													
Galva----------	100	0-14	34-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.7-3.7	.32	.32	5	4	86
		14-43	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		43-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
310C2:													
Galva----------	95	0-14	34-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.7-3.7	.32	.32	5	4	86
		14-43	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		43-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
310D2:													
Galva----------	90	0-14	34-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.7-3.7	.32	.32	5	4	86
		14-43	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		43-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			

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Sioux County, Iowa

Map symbol and soil name	Component percent	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
401B3:													
Crofton----------	100	0-7	20-27	1.20-1.30	0.6-2	0.21-0.24	0.0-2.9	1.2-2.2	.43	.43	5	4L	86
		7-60	15-27	1.10-1.20	0.6-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
401C3:													
Crofton----------	100	0-7	20-27	1.20-1.30	0.6-2	0.21-0.24	0.0-2.9	1.2-2.2	.43	.43	5	4L	86
		7-60	15-27	1.10-1.20	0.6-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
401D3:													
Crofton----------	100	0-7	20-27	1.20-1.30	0.6-2	0.21-0.24	0.0-2.9	1.2-2.2	.43	.43	5	4L	86
		7-60	15-27	1.10-1.20	0.6-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
401E3:													
Crofton----------	100	0-7	20-27	1.20-1.30	0.6-2	0.21-0.24	0.0-2.9	1.2-2.2	.43	.43	5	4L	86
		7-60	15-27	1.10-1.20	0.6-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
410:													
Moody----------	100	0-17	27-35	1.25-1.30	0.1-2	0.19-0.22	3.0-5.9	4.0-5.0	.32	.32	5	7	38
		17-39	24-35	1.20-1.30	0.6-2	0.17-0.20	3.0-5.9	1.0-3.0	.43	.43			
		39-60	20-30	1.30-1.45	0.6-2	0.17-0.20	3.0-5.9	0.5-2.0	.43	.43			
410B:													
Moody----------	100	0-17	27-35	1.25-1.30	0.1-2	0.19-0.22	3.0-5.9	3.5-4.5	.32	.32	5	7	38
		17-39	24-35	1.20-1.30	0.6-2	0.17-0.20	3.0-5.9	1.0-3.0	.43	.43			
		39-60	20-30	1.30-1.45	0.6-2	0.17-0.20	3.0-5.9	0.5-2.0	.43	.43			
410B2:													
Moody----------	100	0-17	27-35	1.25-1.30	0.1-2	0.19-0.22	3.0-5.9	2.7-3.7	.32	.32	5	7	38
		17-39	24-35	1.20-1.30	0.6-2	0.17-0.20	3.0-5.9	1.0-3.0	.43	.43			
		39-60	20-30	1.30-1.45	0.6-2	0.17-0.20	3.0-5.9	0.5-2.0	.43	.43			
410C2:													
Moody----------	95	0-17	27-35	1.25-1.30	0.1-2	0.19-0.22	3.0-5.9	2.7-3.7	.32	.32	5	7	38
		17-39	24-35	1.20-1.30	0.6-2	0.17-0.20	3.0-5.9	1.0-3.0	.43	.43			
		39-60	20-30	1.30-1.45	0.6-2	0.17-0.20	3.0-5.9	0.5-2.0	.43	.43			

Physical Properties of the Soils

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Sioux County, Iowa

Map symbol and soil name	Component percent	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
410D2:													
Moody----------	90	0-17	27-35	1.25-1.30	0.1-2	0.19-0.22	3.0-5.9	2.7-3.7	.32	.32	5	7	38
		17-39	24-35	1.20-1.30	0.6-2	0.17-0.20	3.0-5.9	1.0-3.0	.43	.43			
		39-60	20-30	1.30-1.45	0.6-2	0.17-0.20	3.0-5.9	0.5-2.0	.43	.43			
428B:													
Ely----------	95	0-28	27-30	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	5.0-6.0	.28	.28	5	7	38
		28-56	28-35	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.43	.43			
		56-60	20-30	1.40-1.45	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
467:													
Radford----------	95	0-31	18-27	1.40-1.60	0.6-2	0.22-0.24	0.0-2.9	1.0-3.0	.28	.28	5	6	48
		31-60	24-35	1.35-1.55	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.28	.28			
474:													
Bolan----------	100	0-17	20-26	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	4	6	48
		17-27	12-20	1.45-1.50	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.24	.24			
		27-60	2-8	1.60-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.17	.17			
474B:													
Bolan----------	95	0-17	20-26	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	4	6	48
		17-27	12-20	1.45-1.50	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.24	.24			
		27-60	2-8	1.60-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.17	.17			
474B2:													
Bolan----------	95	0-17	20-26	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.24	.24	4	6	48
		17-27	12-20	1.45-1.50	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.24	.24			
		27-60	2-8	1.60-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.17	.17			
474C2:													
Bolan----------	95	0-17	20-26	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.24	.24	4	6	48
		17-27	12-20	1.45-1.50	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.24	.24			
		27-60	2-8	1.60-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.17	.17			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
474D2:													
Bolan----------	95	0-17	20-26	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.24	.24	4	6	48
		17-27	12-20	1.45-1.50	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.24	.24			
		27-60	2-8	1.60-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.17	.17			
485:													
Spillville----------	95	0-45	18-26	1.45-1.55	0.6-2	0.19-0.21	3.0-5.9	4.0-5.0	.24	.24	5	6	48
		45-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
486:													
Davis----------	95	0-8	18-27	1.20-1.30	0.6-2	0.18-0.22	3.0-5.9	4.0-5.0	.24	.24	5	6	48
		8-46	18-30	1.20-1.35	0.6-2	0.18-0.22	3.0-5.9	3.0-5.0	.24	.24			
		46-60	18-27	1.25-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.24	.24			
615:													
Colo----------	60	0-9	27-36	1.28-1.32	0.6-2	0.21-0.23	3.0-5.9	5.0-7.0	.28	.28	5	7	38
		9-47	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		47-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
Spillville----------	35	0-45	18-26	1.45-1.55	0.6-2	0.19-0.21	3.0-5.9	4.0-6.0	.24	.24	5	6	48
		45-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
670:													
Rawles----------	95	0-32	18-27	1.25-1.35	0.6-2	0.21-0.23	3.0-5.9	1.0-3.0	.32	.32	5	4L	86
		32-60	22-32	1.35-1.40	0.6-2	0.19-0.21	3.0-5.9	3.0-4.0	.32	.32			
733:													
Calco----------	95	0-16	28-33	1.25-1.30	0.6-2	0.21-0.23	6.0-8.9	5.0-7.0	.28	.28	5	4L	86
		16-45	30-35	1.25-1.30	0.6-2	0.21-0.23	6.0-8.9	3.0-5.0	.28	.28			
		45-60	22-32	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.32	.32			
785:													
Spillco----------	95	0-60	18-26	1.45-1.55	0.6-2	0.19-0.21	0.0-2.9	4.0-5.0	.24	.24	5	6	48

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
801B2:													
Bolan Variant---------	95	0-7	10-20	1.45-1.50	2-6	0.13-0.18	0.0-2.9	2.0-3.0	.28	.28	5	3	56
		7-35	5-18	1.45-1.55	2-6	0.09-0.14	0.0-2.9	0.0-0.5	.28	.28			
		35-60	5-20	1.45-1.55	2-6	0.09-0.14	0.0-2.9	0.0-0.5	.28	.28			
801C2:													
Bolan Variant---------	90	0-7	10-20	1.45-1.50	2-6	0.13-0.18	0.0-2.9	2.0-3.0	.28	.28	5	3	56
		7-35	5-18	1.45-1.55	2-6	0.09-0.14	0.0-2.9	0.0-0.5	.28	.28			
		35-60	5-20	1.45-1.55	2-6	0.09-0.14	0.0-2.9	0.0-0.5	.28	.28			
801D2:													
Bolan Variant---------	100	0-7	10-20	1.45-1.50	2-6	0.13-0.18	0.0-2.9	2.0-3.0	.28	.28	5	3	56
		7-35	5-18	1.45-1.55	2-6	0.09-0.14	0.0-2.9	0.0-0.5	.28	.28			
		35-60	5-20	1.45-1.55	2-6	0.09-0.14	0.0-2.9	0.0-0.5	.28	.28			
801F:													
Bolan Variant---------	100	0-7	10-20	1.45-1.50	2-6	0.13-0.18	0.0-2.9	2.5-3.5	.24	.24	5	3	56
		7-35	5-18	1.45-1.55	2-6	0.09-0.14	0.0-2.9	0.0-1.0	.24	.24			
		35-60	5-20	1.45-1.55	2-6	0.09-0.14	0.0-2.9	0.0-0.5	.24	.24			
810:													
Galva----------	100	0-18	34-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	4.0-5.0	.32	.32	5	4	86
		18-48	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		48-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
810B:													
Galva----------	100	0-18	34-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.5-4.5	.32	.32	5	4	86
		18-48	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		48-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
810B2:													
Galva----------	100	0-18	34-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.7-3.7	.32	.32	5	4	86
		18-48	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		48-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
812:													
Moody----------	100	0-19	27-35	1.25-1.30	0.1-2	0.19-0.22	3.0-5.9	4.0-5.0	.32	.32	5	7	38
		19-41	24-35	1.20-1.30	0.6-2	0.17-0.20	3.0-5.9	1.0-3.0	.43	.43			
		41-60	20-30	1.30-1.45	0.6-2	0.17-0.20	3.0-5.9	0.5-2.0	.43	.43			
812B:													
Moody----------	100	0-19	27-35	1.25-1.30	0.1-2	0.19-0.22	3.0-5.9	3.5-4.5	.32	.32	5	7	38
		19-41	24-35	1.20-1.30	0.6-2	0.17-0.20	3.0-5.9	1.0-3.0	.43	.43			
		41-60	20-30	1.30-1.45	0.6-2	0.17-0.20	3.0-5.9	0.5-2.0	.43	.43			
812B2:													
Moody----------	100	0-19	27-35	1.25-1.30	0.1-2	0.19-0.22	3.0-5.9	2.7-3.7	.32	.32	5	7	38
		19-41	24-35	1.20-1.30	0.6-2	0.17-0.20	3.0-5.9	1.0-3.0	.43	.43			
		41-60	20-30	1.30-1.45	0.6-2	0.17-0.20	3.0-5.9	0.5-2.0	.43	.43			
878B:													
Ocheyedan----------	90	0-20	24-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	5	6	48
		20-40	14-24	1.45-1.60	0.6-2	0.16-0.18	0.0-2.9	0.5-1.0	.32	.32			
		40-60	12-24	1.45-1.70	0.6-2	0.19-0.21	0.0-2.9	0.0-0.5	.43	.43			
878B2:													
Ocheyedan----------	90	0-7	24-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.28	.28	5	6	48
		7-20	24-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	1.0-1.0	.28	.28			
		20-40	14-24	1.45-1.60	0.6-2	0.16-0.18	0.0-2.9	0.5-1.0	.32	.32			
		40-60	12-24	1.45-1.70	0.6-2	0.19-0.21	0.0-2.9	0.0-0.5	.43	.43			
878C2:													
Ocheyedan----------	90	0-7	24-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.28	.28	5	6	48
		7-20	24-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	1.0-1.0	.28	.28			
		20-40	14-24	1.45-1.60	0.6-2	0.16-0.18	0.0-2.9	0.5-1.0	.32	.32			
		40-60	12-24	1.45-1.70	0.6-2	0.19-0.21	0.0-2.9	0.0-0.5	.43	.43			
5010:													
Pits----------	100	---	---	---	---	---	---	---	---	---	-	---	---

Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" apply only to the surface layer. Absence of an entry indicates that the data were not estimated.)

Sioux County, Iowa

Map symbol and soil name	Component percent	Depth	Clay	Moist bulk density	Permea-bility	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
									Kw	Kf	T		
		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
5040:													
Orthents----------	100	0-60	2-18	1.50-1.70	0.6-2	0.08-0.14	0.0-2.9	---	.24	---	5	3	86
		60-80	---	---	0.0000-2	---	---	---	---	---			
5044:													
Fluvaquents----------	95	0-60	18-35	1.10-1.65	0.1-6	0.16-0.23	0.0-2.9	2.0-8.0	.28	.28	5	8	0
		60-80	---	---	0.0000-20	---	---	---	---	---			
W:													
Water----------	100	---	---	---	---	---	---	---	---	---	-	---	---