Physical Properties of the Soils

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Cherokee 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					
1C3:													
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			
1D3:													
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			
1E3:													
Ida	100	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			
1G:													
Ida	100	0-5	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.32	.32	5	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	100	0-32	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
		32-48	30-35	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.43	.43			
		48-60	25-32	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	0.0-1.0	.43	.43			
11B:													
Colo	50	0-15	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
		15-47	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			
Judson	35	0-32	27-32	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	5.0-7.0	.28	.28	5	7	38
		32-48	30-35	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.43	.43			
		48-60	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	100	0-42	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
		42-60	24-48	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.32	.32			

Physical Properties of the Soils

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Cherokee 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					
27:													
Terril----------	100	0-32	18-26	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	5	6	48
		32-53	24-30	1.40-1.45	0.6-2	0.17-0.19	0.0-2.9	2.0-3.0	.28	.28			
		53-60	15-30	1.45-1.70	0.6-2	0.16-0.18	0.0-2.9	0.0-1.0	.32	.32			
27B:													
Terril----------	100	0-32	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
		32-53	24-30	1.40-1.45	0.6-2	0.17-0.19	0.0-2.9	2.0-3.0	.28	.28			
		53-60	15-30	1.45-1.70	0.6-2	0.16-0.18	0.0-2.9	0.0-1.0	.32	.32			
27C:													
Terril----------	100	0-32	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
		32-53	24-30	1.40-1.45	0.6-2	0.17-0.19	0.0-2.9	2.0-3.0	.28	.28			
		53-60	15-30	1.45-1.70	0.6-2	0.16-0.18	0.0-2.9	0.0-1.0	.32	.32			
28B:													
Dickman----------	100	0-16	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
		16-32	6-18	1.35-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.5	.20	.20			
		32-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
28D:													
Dickman----------	100	0-16	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
		16-32	6-18	1.35-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.5	.20	.20			
		32-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
31:													
Afton----------	100	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
		31-47	25-35	1.25-1.30	0.2-0.6	0.18-0.20	6.0-8.9	1.0-2.0	.43	.43			
		47-60	25-30	1.30-1.45	0.1-2	0.14-0.16	3.0-5.9	0.0-0.5	.43	.43			
33D:													
Steinauer----------	95	0-5	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
		5-11	27-32	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	0.5-3.0	.32	.32			
		11-60	24-35	1.50-1.80	0.2-0.6	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			

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Cherokee 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					
33F:													
Steinauer----------	100	0-5	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
		5-11	27-32	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	0.5-3.0	.32	.32			
		11-60	24-35	1.50-1.80	0.2-0.6	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
33G:													
Steinauer----------	95	0-5	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
		5-11	27-32	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	0.5-3.0	.32	.32			
		11-60	24-35	1.50-1.80	0.2-0.6	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
54:													
Zook----------	100	0-17	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
		17-60	36-45	1.30-1.45	0.06-0.2	0.11-0.13	6.0-8.9	2.0-4.0	.28	.28			
72B:													
Estherville----------	100	0-9	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
		9-20	10-18	1.35-1.60	2-6	0.12-0.19	0.0-2.9	0.0-0.5	.20	.20			
		20-60	0-8	1.50-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
72C:													
Estherville----------	100	0-9	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
		9-20	10-18	1.35-1.60	2-6	0.12-0.19	0.0-2.9	0.0-0.5	.20	.20			
		20-60	0-8	1.50-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
77B:													
Sac----------	100	0-18	32-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.5-4.5	.28	.28	5	7	38
		18-34	30-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		34-60	22-26	1.50-1.65	0.6-2	0.16-0.18	0.0-2.9	0.0-1.0	.37	.37			
77B2:													
Sac----------	100	0-18	32-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.7-3.7	.28	.28	5	7	38
		18-34	30-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		34-60	22-26	1.50-1.65	0.6-2	0.16-0.18	0.0-2.9	0.0-1.0	.37	.37			

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Cherokee County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
77C:													
Sac	100	0-18	32-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.5-4.5	.28	.28	5	7	38
		18-34	30-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		34-60	22-26	1.50-1.65	0.6-2	0.16-0.18	0.0-2.9	0.0-1.0	.37	.37			
77C2:													
Sac	100	0-18	32-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.7-3.7	.28	.28	5	7	38
		18-34	30-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		34-60	22-26	1.50-1.65	0.6-2	0.16-0.18	0.0-2.9	0.0-1.0	.37	.37			
78B:													
Sac	100	0-14	32-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.5-4.5	.32	.32	5	7	38
		14-35	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		35-60	27-32	1.40-1.60	0.2-0.6	0.11-0.14	3.0-5.9	0.0-1.0	.37	.37			
78B2:													
Sac	100	0-14	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
		14-35	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		35-60	27-32	1.40-1.60	0.2-0.6	0.11-0.14	3.0-5.9	0.0-1.0	.37	.37			
78C:													
Sac	100	0-14	32-39	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.5-4.5	.32	.32	5	7	38
		14-35	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		35-60	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	0-14	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
		14-35	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		35-60	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	0-17	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
		17-36	30-35	1.30-1.35	0.6-2	0.18-0.20	6.0-8.9	2.0-4.0	.43	.43			
		36-60	25-30	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
91B:													
Primghar	90	0-17	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
		17-36	30-35	1.30-1.35	0.6-2	0.18-0.20	6.0-8.9	2.0-4.0	.43	.43			
		36-60	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	100	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
		19-46	30-35	1.35-1.40	0.2-0.6	0.18-0.20	6.0-8.9	3.0-5.0	.43	.43			
		46-60	22-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
96:													
Turlin	95	0-33	18-26	1.45-1.55	0.6-2	0.20-0.22	0.0-2.9	4.5-5.5	.24	.24	4	6	48
		33-60	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	2.0-3.0	.28	.28			
108:													
Wadena	100	0-12	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
		12-27	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	0-12	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
		12-27	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			
133:													
Colo	100	0-15	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
		15-47	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			
135:													
Coland	97	0-8	27-35	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	5.0-7.0	.24	.24	5	6	48
		8-60	27-35	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	3.0-5.0	.24	.24			
189:													
Omadi	95	0-22	27-30	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	5	7	38
		22-60	18-30	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-2.0	.43	.43			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
309:													
Allendorf----------	100	0-13	27-32	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	3.5-4.5	.28	.28	4	7	38
		13-35	24-32	1.25-1.40	0.6-2	0.20-0.22	3.0-5.9	0.5-1.0	.43	.43			
		35-39	18-24	1.40-1.50	0.6-2	0.15-0.19	0.0-2.9	0.0-0.5	.24	.24			
		39-60	2-8	1.50-1.70	20-101	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			
309B:													
Allendorf----------	100	0-13	27-32	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.28	.28	4	7	38
		13-35	24-32	1.25-1.40	0.6-2	0.20-0.22	3.0-5.9	0.5-1.0	.43	.43			
		35-39	18-24	1.40-1.50	0.6-2	0.15-0.19	0.0-2.9	0.0-0.5	.24	.24			
		39-60	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	0-17	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
		17-33	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		33-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		60-65	22-30	1.60-1.80	0.6-2	0.16-0.22	3.0-5.9	0.0-0.5	.43	.43			
310B:													
Galva----------	100	0-17	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
		17-33	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		33-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		60-65	22-30	1.60-1.80	0.6-2	0.16-0.22	3.0-5.9	0.0-0.5	.43	.43			
310B2:													
Galva----------	100	0-17	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
		17-33	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		33-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
		60-65	22-30	1.60-1.80	0.6-2	0.16-0.22	3.0-5.9	0.0-0.5	.43	.43			
310C:													
Galva----------	100	0-17	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
		17-33	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		33-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		60-65	22-30	1.60-1.80	0.6-2	0.16-0.22	3.0-5.9	0.0-0.5	.43	.43			

Physical Properties of the Soils

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Cherokee 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					
310C2:													
Galva----------	100	0-13	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
		13-33	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		33-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
		60-65	22-30	1.60-1.80	0.6-2	0.16-0.22	3.0-5.9	0.0-0.5	.43	.43			
310D2:													
Galva----------	100	0-13	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
		13-33	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		33-60	25-30	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
		60-65	22-30	1.60-1.80	0.6-2	0.16-0.22	3.0-5.9	0.0-0.5	.43	.43			
354:													
Aquolls----------	100	0-40	---	---	0.6-6	---	---	---	---	---	5	8	0
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
		28-46	28-35	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.43	.43			
		46-60	20-30	1.40-1.45	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
433D:													
Storden----------	100	0-9	18-27	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.28	.28	5	4L	86
		9-60	18-30	1.35-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
433F:													
Storden----------	100	0-9	18-27	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.28	.28	5	4L	86
		9-60	18-30	1.35-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
433G:													
Storden----------	95	0-9	18-27	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.28	.28	5	4L	86
		9-60	18-30	1.35-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
485:													
Spillville----------	95	0-48	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
		48-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			

Physical Properties of the Soils

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Cherokee 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					
485B:													
Spillville----------	95	0-48	18-26	1.45-1.55	0.6-2	0.19-0.21	3.0-5.9	3.5-4.5	.24	.24	5	6	48
		48-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
505:													
Sperry----------	100	0-11	28-32	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.0-4.0	.37	.37	3	7	38
		11-18	18-22	1.35-1.40	0.6-2	0.22-0.24	3.0-5.9	0.5-1.0	.43	.43			
		18-50	38-45	1.40-1.45	0.06-0.2	0.14-0.16	6.0-8.9	0.5-2.0	.43	.43			
		50-60	26-34	1.45-1.50	0.2-0.6	0.19-0.21	6.0-8.9	0.0-1.0	.43	.43			
577B2:													
Everly----------	100	0-16	27-30	1.40-1.45	0.6-2	0.17-0.19	3.0-5.9	2.5-3.2	.28	.28	5	6	48
		16-35	25-35	1.45-1.55	0.6-2	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
		35-60	22-32	1.55-1.65	0.6-2	0.17-0.19	3.0-5.9	0.0-0.5	.32	.32			
577C:													
Everly----------	100	0-16	27-30	1.40-1.45	0.6-2	0.17-0.19	3.0-5.9	3.0-4.0	.24	.24	5	6	48
		16-35	25-35	1.45-1.55	0.6-2	0.15-0.17	3.0-5.9	1.0-2.0	.32	.32			
		35-60	22-32	1.55-1.65	0.6-2	0.17-0.19	3.0-5.9	0.0-0.5	.32	.32			
577C2:													
Everly----------	100	0-16	27-30	1.40-1.45	0.6-2	0.17-0.19	3.0-5.9	2.5-3.2	.28	.28	5	6	48
		16-35	25-35	1.45-1.55	0.6-2	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
		35-60	22-32	1.55-1.65	0.6-2	0.17-0.19	3.0-5.9	0.0-0.5	.32	.32			
577D2:													
Everly----------	100	0-16	27-30	1.40-1.45	0.6-2	0.17-0.19	3.0-5.9	2.5-3.2	.28	.28	5	6	48
		16-35	25-35	1.45-1.55	0.6-2	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
		35-60	22-32	1.55-1.65	0.6-2	0.17-0.19	3.0-5.9	0.0-0.5	.32	.32			
585B:													
Spillville----------	60	0-48	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
		48-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
Coland----------	30	0-8	27-35	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	5.0-7.0	.24	.24	5	6	48
		8-60	27-35	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	3.0-5.0	.24	.24			

Physical Properties of the Soils

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Cherokee 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					
633G:													
Steinauer----------	55	0-5	27-32	1.30-1.60	0.2-0.6	0.17-0.19	3.0-5.9	1.0-2.0	.32	.32	5	4L	86
		5-11	27-32	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	0.5-1.0	.32	.32			
		11-60	24-35	1.50-1.80	0.2-0.6	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
Steinauer Variant-----	40	0-16	34-40	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	2.0-4.0	.28	.28	3	4L	86
		16-47	49-60	1.35-1.50	0.0000-0.06	0.14-0.16	6.0-8.9	0.0-1.0	.28	.28			
		47-60	50-65	1.35-1.45	0.0000-0.06	0.14-0.16	6.0-8.9	0.0-1.0	.28	.28			
739G:													
Steinauer----------	65	0-6	27-32	1.30-1.60	0.2-0.6	0.17-0.19	3.0-5.9	1.0-2.0	.32	.32	5	4L	86
		6-10	27-32	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	0.5-1.0	.32	.32			
		10-60	24-35	1.50-1.80	0.2-0.6	0.14-0.19	3.0-5.9	0.0-0.5	.32	.32			
Hawick----------	35	0-9	5-15	1.35-1.55	2-6	0.13-0.15	0.0-2.9	1.0-4.0	.17	.17	3	3	86
		9-20	1-10	1.50-1.65	6-20	0.03-0.10	0.0-2.9	0.0-0.5	.10	.15			
		20-60	1-5	1.55-1.65	20-101	0.02-0.06	0.0-2.9	0.0-0.5	.10	.15			
740C:													
Hawick----------	100	0-12	5-15	1.35-1.55	2-6	0.13-0.15	0.0-2.9	0.5-1.5	.17	.17	3	3	86
		12-18	1-10	1.50-1.65	6-20	0.03-0.10	0.0-2.9	0.0-0.5	.10	.15			
		18-60	1-5	1.55-1.65	20-101	0.02-0.06	0.0-2.9	0.0-0.5	.10	.15			
740E:													
Hawick----------	100	0-12	5-15	1.35-1.55	2-6	0.13-0.15	0.0-2.9	0.5-1.5	.17	.17	3	3	86
		12-18	1-10	1.50-1.65	6-20	0.03-0.10	0.0-2.9	0.0-0.5	.10	.15			
		18-60	1-5	1.55-1.65	20-101	0.02-0.06	0.0-2.9	0.0-0.5	.10	.15			
740G:													
Hawick----------	90	0-12	5-15	1.35-1.55	2-6	0.13-0.15	0.0-2.9	0.5-1.5	.17	.17	3	3	86
		12-18	1-10	1.50-1.65	6-20	0.03-0.10	0.0-2.9	0.0-0.5	.10	.15			
		18-60	1-5	1.55-1.65	20-101	0.02-0.06	0.0-2.9	0.0-0.5	.10	.15			
810:													
Galva----------	100	0-23	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
		23-60	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			

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Cherokee County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
810B:													
Galva----------	100	0-23	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
		23-60	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
810C2:													
Galva----------	100	0-23	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
		23-60	30-39	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
878B:													
Ocheyedan----------	100	0-15	24-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	5	6	48
		15-35	14-24	1.45-1.60	0.6-2	0.16-0.18	0.0-2.9	0.5-1.0	.32	.32			
		35-60	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----------	100	0-8	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
		8-15	24-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	1.0-1.0	.28	.28			
		15-35	14-24	1.45-1.60	0.6-2	0.16-0.18	0.0-2.9	0.5-1.0	.32	.32			
		35-60	12-24	1.45-1.70	0.6-2	0.19-0.21	0.0-2.9	0.0-0.5	.43	.43			
1609:													
Fluvaquents----------	50	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	---	---	---	---	---			
Omadi----------	40	0-22	27-30	1.30-1.40	0.6-2	0.22-0.24	0.0-2.9	1.0-2.0	.32	.32	5	7	38
		22-60	18-30	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-1.0	.43	.43			
1639G:													
Storden----------	65	0-9	18-27	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.28	.28	5	4L	86
		9-60	18-30	1.35-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
Hawick----------	35	0-9	5-15	1.35-1.55	2-6	0.13-0.15	0.0-2.9	1.0-4.0	.17	.17	3	3	86
		9-20	1-10	1.50-1.65	6-20	0.03-0.10	0.0-2.9	0.0-0.5	.10	.15			
		20-60	1-5	1.55-1.65	20-101	0.02-0.06	0.0-2.9	0.0-0.5	.10	.15			

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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					
1658C:													
Terril	50	0-32	18-26	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	3.0-5.0	.24	.24	5	6	48
		32-53	24-30	1.40-1.45	0.6-2	0.17-0.19	0.0-2.9	2.0-3.0	.28	.28			
		53-60	15-30	1.45-1.70	0.6-2	0.16-0.18	0.0-2.9	0.0-1.0	.32	.32			
Coland	40	0-8	27-35	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	5.0-7.0	.24	.24	5	6	48
		8-60	27-35	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	3.0-5.0	.24	.24			
1785:													
Spillco	92	0-43	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
		43-60	14-28	1.55-1.70	2-6	0.14-0.19	0.0-2.9	2.0-3.0	.24	.24			
5010:													
Pits	100	---	---	---	---	---	---	---	---	---	-	---	---
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	---	---	---	---	---			
W:													
Water	100	---	---	---	---	---	---	---	---	---	-	---	---