Physical Properties of the Soils

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Johnson 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					
7:													
Wiota----------	100	0-20	20-27	1.30-1.35	0.6-2	0.21-0.23	0.0-2.9	3.5-4.5	.28	.28	5	7	48
		20-49	30-36	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	2.0-3.0	.43	.43			
		49-60	25-34	1.40-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
11B:													
Colo----------	50	0-42	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
		42-60	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		60-64	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
Ely----------	30	0-26	25-27	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	5.0-7.0	.28	.28	5	7	48
		26-57	28-35	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.43	.43			
		57-60	20-30	1.40-1.45	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
41:													
Sparta----------	100	0-16	3-10	1.20-1.40	2-6	0.09-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
		16-35	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.17	.17			
		35-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			
41B:													
Sparta----------	100	0-16	3-10	1.20-1.40	2-6	0.09-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
		16-35	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.17	.17			
		35-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			
41C:													
Sparta----------	100	0-16	3-10	1.20-1.40	2-6	0.09-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
		16-35	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.17	.17			
		35-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			
41D:													
Sparta----------	100	0-16	3-10	1.20-1.40	2-6	0.09-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
		16-35	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.17	.17			
		35-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			

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Johnson 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					
43:													
Bremer----------	95	0-18	27-36	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	5.0-7.0	.32	.32	5	7	38
		18-37	35-42	1.30-1.40	0.2-0.6	0.15-0.17	6.0-8.9	1.0-2.0	.43	.43			
		37-60	32-38	1.40-1.45	0.2-0.6	0.18-0.20	6.0-8.9	0.5-1.0	.43	.43			
54:													
Zook----------	100	0-39	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
		39-60	36-45	1.30-1.45	0.06-0.2	0.11-0.13	6.0-8.9	2.0-4.0	.28	.28			
63B:													
Chelsea----------	100	0-5	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.5-1.5	.17	.17	5	2	134
		5-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
63C:													
Chelsea----------	100	0-5	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.5-1.5	.17	.17	5	2	134
		5-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
63E:													
Chelsea----------	95	0-5	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.5-1.5	.17	.17	5	2	134
		5-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
65D2:													
Lindley----------	95	0-7	18-27	1.20-1.40	0.6-2	0.16-0.18	0.0-2.9	1.5-2.5	.32	.32	5	6	48
		7-41	25-35	1.35-1.55	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		41-60	18-32	1.40-1.60	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
65E2:													
Lindley----------	95	0-7	18-27	1.20-1.40	0.6-2	0.16-0.18	0.0-2.9	1.5-2.5	.32	.32	5	6	48
		7-41	25-35	1.35-1.55	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		41-60	18-32	1.40-1.60	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
65F:													
Lindley----------	95	0-7	18-27	1.20-1.40	0.6-2	0.16-0.18	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		7-41	25-35	1.35-1.55	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		41-60	18-32	1.40-1.60	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			

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Johnson County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
65F2:													
Lindley----------	95	0-7	18-27	1.20-1.40	0.6-2	0.16-0.18	0.0-2.9	1.5-2.5	.32	.32	5	6	48
		7-41	25-35	1.35-1.55	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		41-60	18-32	1.40-1.60	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
75:													
Givin----------	95	0-11	18-26	1.30-1.40	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.32	.32	5	6	48
		11-52	36-42	1.30-1.45	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		52-60	27-34	1.40-1.50	0.2-0.6	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
76B:													
Ladoga----------	100	0-10	18-27	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		10-49	36-42	1.30-1.40	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		49-60	24-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
76C2:													
Ladoga----------	100	0-10	18-27	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-49	36-42	1.30-1.40	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		49-60	24-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
76D2:													
Ladoga----------	100	0-10	18-27	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-49	36-42	1.30-1.40	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		49-60	24-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
80B:													
Clinton----------	100	0-16	16-26	1.30-1.40	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		16-52	36-42	1.35-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.0-1.0	.37	.37			
		52-60	24-35	1.40-1.55	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
80C:													
Clinton----------	100	0-16	16-26	1.30-1.40	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		16-52	36-42	1.35-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.0-1.0	.37	.37			
		52-60	24-35	1.40-1.55	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
80C2:													
Clinton----------	100	0-16	16-26	1.30-1.40	0.6-2	0.20-0.22	0.0-2.9	1.5-2.5	.37	.37	5	6	48
		16-52	36-42	1.35-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.0-0.5	.37	.37			
		52-60	24-35	1.40-1.55	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
80D:													
Clinton----------	100	0-16	16-26	1.30-1.40	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.37	.37	5	6	48
		16-52	36-42	1.35-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.0-1.0	.37	.37			
		52-60	24-35	1.40-1.55	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
80D2:													
Clinton----------	100	0-16	16-26	1.30-1.40	0.6-2	0.20-0.22	0.0-2.9	1.5-2.5	.37	.37	5	6	48
		16-52	36-42	1.35-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.0-0.5	.37	.37			
		52-60	24-35	1.40-1.55	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
80D3:													
Clinton----------	100	0-9	27-34	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	0.4-2.0	.43	.43	4	7	38
		9-52	36-42	1.35-1.45	0.2-0.6	0.16-0.20	3.0-5.9	0.0-0.5	.37	.37			
		52-60	24-35	1.40-1.55	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
83B:													
Kenyon----------	100	0-18	18-26	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	5	6	48
		18-53	20-30	1.45-1.65	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		53-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
83C2:													
Kenyon----------	100	0-18	18-26	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.28	.28	5	6	48
		18-53	20-30	1.45-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.28	.28			
		53-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
88:													
Nevin----------	95	0-22	27-29	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	4.0-6.0	.28	.28	5	7	38
		22-46	30-35	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		46-60	25-36	1.40-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
110B:													
Lamont----------	100	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.5-1.5	.24	.24	4	3	86
		7-10	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		10-33	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		33-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
110C:													
Lamont----------	100	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.5-1.5	.24	.24	4	3	86
		7-10	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		10-33	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		33-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
110E:													
Lamont----------	100	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.5-1.5	.24	.24	4	3	86
		7-10	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		10-33	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		33-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
118:													
Garwin----------	100	0-20	30-35	1.30-1.35	0.6-2	0.21-0.23	6.0-8.9	6.0-7.0	.28	.28	5	7	38
		20-39	27-35	1.28-1.35	0.6-2	0.18-0.20	6.0-8.9	1.0-2.0	.28	.28			
		39-60	20-26	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
119:													
Muscatine----------	95	0-7	24-27	1.28-1.32	0.6-2	0.22-0.24	3.0-5.9	5.0-6.0	.28	.28	5	6	48
		7-40	30-35	1.28-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		40-60	22-30	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
119B:													
Muscatine----------	95	0-7	24-27	1.28-1.32	0.6-2	0.22-0.24	3.0-5.9	4.4-6.0	.28	.28	5	6	48
		7-40	30-35	1.28-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		40-60	22-30	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
120B:													
Tama----------	100	0-17	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		17-43	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		43-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
120C:													
Tama	100	0-17	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		17-43	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		43-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
120C2:													
Tama	100	0-7	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		7-17	27-32	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.0-2.0	.32	.32			
		17-43	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		43-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
120D2:													
Tama	100	0-7	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		7-17	27-32	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.0-2.0	.32	.32			
		17-43	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		43-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
122:													
Sperry	100	0-7	18-22	1.35-1.40	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.37	.37	3	6	48
		7-20	18-22	1.35-1.40	0.6-2	0.22-0.24	3.0-5.9	0.5-1.0	.43	.43			
		20-51	38-45	1.40-1.45	0.06-0.2	0.14-0.16	6.0-8.9	0.5-2.0	.43	.43			
		51-60	26-34	1.45-1.50	0.2-0.6	0.19-0.21	6.0-8.9	0.0-1.0	.43	.43			
133:													
Colo	100	0-42	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
		42-60	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
133+:													
Colo	95	0-15	20-26	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.0-5.0	.28	.28	5	6	48
		15-42	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		42-60	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	95	0-10	27-35	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	5.0-7.0	.24	.24	5	7	38
		10-55	27-35	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	3.0-5.0	.24	.24			
		55-60	12-26	1.50-1.65	0.6-6	0.13-0.17	0.0-2.9	0.0-2.0	.28	.28			

Physical Properties of the Soils

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Johnson County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
140:													
Sparta----------	100	0-33	3-10	1.20-1.40	2-6	0.09-0.12	0.0-2.9	1.5-2.5	.17	.17	5	2	134
		33-43	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.17	.17			
		43-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			
141:													
Watseka----------	95	0-18	8-13	1.35-1.55	6-20	0.10-0.12	0.0-2.9	2.0-3.0	.17	.17	5	2	134
		18-60	1-10	1.50-1.70	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
152:													
Marshan----------	100	0-17	18-27	1.35-1.45	0.6-2	0.20-0.24	0.0-2.9	5.0-6.0	.28	.28	4	6	48
		17-35	25-35	1.40-1.55	0.6-2	0.17-0.22	3.0-5.9	0.8-2.0	.28	.28			
		35-60	0-5	1.55-1.65	6-20	0.02-0.05	0.0-2.9	0.0-0.5	.15	.15			
160:													
Walford----------	100	0-8	20-26	1.35-1.40	0.6-2	0.21-0.23	3.0-5.9	2.5-3.5	.32	.32	5	6	48
		8-13	18-26	1.40-1.50	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
		13-56	27-35	1.35-1.40	0.2-0.6	0.18-0.20	6.0-8.9	0.0-1.0	.43	.43			
		56-60	24-27	1.40-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
161:													
Walford----------	60	0-8	20-26	1.35-1.40	0.6-2	0.21-0.23	3.0-5.9	2.4-4.0	.32	.32	5	6	48
		8-13	18-26	1.40-1.50	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
		13-56	27-35	1.35-1.40	0.2-0.6	0.18-0.20	6.0-8.9	0.0-1.0	.43	.43			
		56-60	24-27	1.40-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
Atterberry----------	30	0-12	20-26	1.35-1.55	0.6-2	0.22-0.25	0.0-2.9	2.4-4.0	.32	.32	5	6	48
		12-51	15-27	1.40-1.60	0.6-2	0.21-0.24	0.0-2.9	0.5-1.0	.32	.32			
		51-60	25-35	1.40-1.60	0.6-2	0.14-0.24	3.0-5.9	0.1-0.5	.43	.43			
162B:													
Downs----------	100	0-7	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		7-37	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		37-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			

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Johnson County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
162C:													
Downs----------	100	0-7	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		7-37	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		37-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
162C2:													
Downs----------	100	0-7	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		7-37	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		37-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
162D2:													
Downs----------	100	0-7	18-26	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		7-37	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		37-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163B:													
Fayette----------	100	0-10	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163C:													
Fayette----------	100	0-10	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163C2:													
Fayette----------	100	0-10	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.5-2.5	.37	.37	5	6	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163D:													
Fayette----------	100	0-10	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			

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Johnson County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
163D2:													
Fayette----------	100	0-10	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.5-2.5	.37	.37	5	6	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163D3:													
Fayette----------	100	0-10	27-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.4-2.0	.43	.43	4	7	38
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163E:													
Fayette----------	100	0-10	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163E2:													
Fayette----------	100	0-10	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.5-2.5	.37	.37	5	6	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163E3:													
Fayette----------	100	0-10	27-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.4-2.0	.43	.43	4	7	38
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163F:													
Fayette----------	95	0-10	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163F2:													
Fayette----------	95	0-10	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.5-2.5	.37	.37	5	6	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
163G:													
Fayette----------	95	0-10	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
165:													
Stronghurst----------	95	0-12	20-27	1.25-1.45	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.37	.37	5	6	48
		12-46	20-27	1.30-1.50	0.6-2	0.20-0.22	0.0-2.9	0.5-1.0	.37	.37			
		46-60	27-35	1.30-1.55	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
171B:													
Bassett----------	100	0-18	18-25	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.5-3.5	.28	.28	5	6	48
		18-52	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		52-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
171C2:													
Bassett----------	95	0-18	18-25	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.0-3.0	.28	.28	5	6	48
		18-52	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		52-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
171D2:													
Bassett----------	100	0-18	18-25	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	2.0-3.0	.28	.28	5	6	48
		18-52	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.28	.28			
		52-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
171D3:													
Bassett----------	100	0-18	18-25	1.45-1.50	0.6-2	0.19-0.21	0.0-2.9	1.0-2.0	.37	.37	4	6	48
		18-52	20-28	1.55-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.37	.37			
		52-60	20-24	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
173:													
Hoopeston----------	95	0-20	8-18	1.35-1.70	2-6	0.12-0.15	0.0-2.9	2.0-3.0	.20	.20	4	3	86
		20-35	12-18	1.45-1.70	2-6	0.12-0.17	0.0-2.9	0.2-1.0	.28	.28			
		35-60	2-10	1.50-1.70	6-20	0.05-0.10	0.0-2.9	0.1-0.5	.17	.17			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
174B:													
Bolan----------	100	0-20	20-26	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.24	.24	4	6	48
		20-27	12-20	1.45-1.50	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.24	.24			
		27-36	10-16	1.50-1.60	2-6	0.11-0.13	0.0-2.9	0.0-1.0	.24	.24			
		36-60	2-8	1.60-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.17	.17			
175:													
Dickinson----------	100	0-16	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	2.0-3.0	.20	.20	4	3	86
		16-30	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.0-1.0	.20	.20			
		30-36	10-15	1.45-1.55	2-6	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24			
		36-60	4-10	1.60-1.70	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
175B:													
Dickinson----------	100	0-16	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.5-2.5	.20	.20	4	3	86
		16-30	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.0-1.0	.20	.20			
		30-36	10-15	1.45-1.55	2-6	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24			
		36-60	4-10	1.60-1.70	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
175C:													
Dickinson----------	100	0-16	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.5-2.5	.20	.20	4	3	86
		16-30	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.0-1.0	.20	.20			
		30-36	10-15	1.45-1.55	2-6	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24			
		36-60	4-10	1.60-1.70	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
178:													
Waukee----------	100	0-19	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	4	6	48
		19-38	18-27	1.40-1.50	0.6-2	0.15-0.19	0.0-2.9	1.0-2.0	.28	.28			
		38-60	2-8	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-1.0	.10	.17			
179D2:													
Gara----------	95	0-7	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.0-3.0	.32	.32	5	6	48
		7-48	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
		48-60	24-38	1.65-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			

Physical Properties of the Soils

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Johnson 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					
179E2:													
Gara	95	0-7	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.0-3.0	.32	.32	5	6	48
		7-48	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
		48-60	24-38	1.65-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
184:													
Klinger	95	0-18	27-30	1.30-1.35	0.6-2	0.22-0.24	3.0-5.9	5.0-6.0	.28	.28	5	7	38
		18-34	28-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		34-60	20-28	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.43	.43			
220:													
Nodaway	92	0-10	18-27	1.25-1.35	0.6-2	0.20-0.23	0.0-2.9	1.5-2.5	.32	.32	5	6	48
		10-60	18-28	1.25-1.35	0.6-2	0.20-0.23	3.0-5.9	0.0-0.5	.43	.43			
226:													
Lawler	95	0-14	18-27	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	4.0-5.0	.24	.24	4	6	48
		14-34	20-28	1.45-1.60	0.6-2	0.16-0.18	0.0-2.9	1.0-2.0	.28	.28			
		34-60	2-8	1.60-1.75	20-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.20			
279:													
Taintor	100	0-17	27-36	1.30-1.40	0.2-0.6	0.21-0.23	3.0-5.9	5.0-6.0	.28	.28	5	7	38
		17-65	30-36	1.30-1.40	0.2-0.6	0.21-0.23	3.0-5.9	2.0-3.0	.32	.32			
280:													
Mahaska	95	0-21	27-32	1.30-1.40	0.6-2	0.21-0.23	3.0-5.9	5.0-6.0	.28	.28	5	7	38
		21-57	36-42	1.30-1.45	0.6-2	0.14-0.18	3.0-5.9	1.0-2.0	.43	.43			
		57-60	24-32	1.40-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
281B:													
Otley	100	0-19	28-34	1.25-1.35	0.6-2	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	5	7	38
		19-47	36-42	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		47-60	24-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			

Physical Properties of the Soils

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Johnson 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					
281C2:													
Otley----------	100	0-7	28-34	1.25-1.35	0.6-2	0.21-0.23	3.0-5.9	2.2-3.2	.32	.32	5	7	38
		7-19	28-34	1.25-1.35	0.6-2	0.21-0.23	3.0-5.9	1.0-2.0	.43	.43			
		19-47	36-42	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	24-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
281D2:													
Otley----------	100	0-7	28-34	1.25-1.35	0.6-2	0.21-0.23	3.0-5.9	2.2-3.2	.32	.32	5	7	38
		7-19	28-34	1.25-1.35	0.6-2	0.21-0.23	3.0-5.9	1.0-2.0	.43	.43			
		19-47	36-42	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	24-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
284:													
Flagler----------	100	0-20	12-18	1.50-1.55	2-6	0.12-0.14	0.0-2.9	2.0-3.0	.20	.20	4	3	86
		20-37	10-15	1.55-1.60	2-6	0.11-0.13	0.0-2.9	0.0-1.0	.20	.20			
		37-60	2-8	1.60-1.75	20-20	0.02-0.04	0.0-2.9	0.0-0.5	.20	.32			
285C:													
Burkhardt----------	100	0-13	5-13	1.35-1.55	2-6	0.11-0.15	0.0-2.9	1.5-2.5	.20	.20	2	3	86
		13-20	8-18	1.55-1.65	2-6	0.10-0.19	0.0-2.9	0.5-1.0	.24	.24			
		20-60	1-6	1.50-1.80	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
291:													
Atterberry----------	95	0-12	20-26	1.35-1.55	0.6-2	0.22-0.25	0.0-2.9	3.0-4.0	.32	.32	5	6	48
		12-51	15-27	1.40-1.60	0.6-2	0.21-0.24	0.0-2.9	0.5-1.0	.32	.32			
		51-60	25-35	1.40-1.60	0.6-2	0.14-0.24	3.0-5.9	0.1-0.5	.43	.43			
291B:													
Atterberry----------	95	0-12	20-26	1.35-1.55	0.6-2	0.22-0.25	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		12-51	15-27	1.40-1.60	0.6-2	0.21-0.24	0.0-2.9	0.5-1.0	.32	.32			
		51-60	25-35	1.40-1.60	0.6-2	0.14-0.24	3.0-5.9	0.1-0.5	.43	.43			
293C:													
Chelsea----------	45	0-5	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.4-3.0	.17	.17	5	2	134
		5-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			

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Johnson County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
Lamont----------	35	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.4-3.0	.24	.24	4	2	86
		7-10	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		10-33	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		33-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
Fayette----------	20	0-10	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	0.4-3.0	.32	.32	5	2	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
293C2:													
Chelsea----------	45	0-5	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.1-2.5	.17	.17	5	2	134
		5-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
Lamont----------	35	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.1-2.5	.24	.24	4	2	86
		7-10	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		10-33	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		33-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
Fayette----------	20	0-10	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.1-2.5	.37	.37	5	2	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
293D:													
Chelsea----------	45	0-5	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.4-3.0	.17	.17	5	2	134
		5-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
Lamont----------	35	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.4-3.0	.24	.24	4	2	86
		7-10	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		10-33	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		33-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
Fayette----------	20	0-10	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	0.4-3.0	.32	.32	5	2	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			

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Johnson County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
293D2:													
Chelsea----------	45	0-5	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.1-2.5	.17	.17	5	2	134
		5-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
Lamont----------	35	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.1-2.5	.24	.24	4	2	86
		7-10	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		10-33	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		33-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
Fayette----------	20	0-10	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.1-2.5	.37	.37	5	2	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
293E:													
Chelsea----------	40	0-5	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.4-3.0	.17	.17	5	2	134
		5-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
Lamont----------	30	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.4-3.0	.24	.24	4	2	86
		7-10	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		10-33	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		33-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
Fayette----------	20	0-10	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	0.4-3.0	.32	.32	5	2	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
293E2:													
Chelsea----------	40	0-5	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.1-2.5	.17	.17	5	2	134
		5-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
Lamont----------	30	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.1-2.5	.24	.24	4	2	86
		7-10	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		10-33	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		33-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
Fayette----------	20	0-10	25-27	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.1-2.5	.37	.37	5	2	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
293F:													
Chelsea----------	35	0-5	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.4-3.0	.17	.17	5	2	134
		5-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
Lamont----------	30	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.4-3.0	.24	.24	4	2	86
		7-10	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		10-33	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		33-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
Fayette----------	20	0-10	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	0.4-3.0	.32	.32	5	2	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
293G:													
Chelsea----------	35	0-5	8-15	1.50-1.55	6-20	0.10-0.15	0.0-2.9	0.4-3.0	.17	.17	5	2	134
		5-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
Lamont----------	30	0-7	10-15	1.50-1.55	2-6	0.16-0.18	0.0-2.9	0.4-3.0	.24	.24	4	2	86
		7-10	5-15	1.50-1.55	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		10-33	10-22	1.45-1.65	2-6	0.14-0.16	0.0-2.9	0.0-0.5	.24	.24			
		33-60	2-10	1.65-1.75	6-20	0.09-0.11	0.0-2.9	0.0-0.5	.17	.17			
Fayette----------	20	0-10	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	0.4-3.0	.32	.32	5	2	48
		10-47	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		47-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
320:													
Arenzville----------	95	0-33	10-18	1.20-1.55	0.6-2	0.20-0.24	0.0-2.9	1.5-2.5	.37	.37	5	5	56
		33-60	10-30	1.25-1.45	0.6-2	0.18-0.22	3.0-5.9	1.0-5.0	.37	.37			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
350B:													
Waukegan----------	100	0-14	18-27	1.35-1.55	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.32	.32	4	6	48
		14-37	18-27	1.35-1.55	0.6-2	0.20-0.22	0.0-2.9	0.8-2.0	.43	.43			
		37-60	1-10	1.50-1.70	6-20	0.02-0.04	0.0-2.9	0.2-1.0	.10	.15			
352B:													
Whittier----------	100	0-9	18-26	1.25-1.30	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.28	.28	4	6	48
		9-30	28-32	1.30-1.40	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.43	.43			
		30-36	12-18	1.50-1.60	0.6-2	0.16-0.18	0.0-2.9	0.5-1.0	.32	.32			
		36-60	2-10	1.60-1.70	6-20	0.04-0.07	0.0-2.9	0.0-1.0	.17	.17			
352C2:													
Whittier----------	100	0-9	18-26	1.25-1.30	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.32	.32	4	6	48
		9-30	28-32	1.30-1.40	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.43	.43			
		30-36	12-18	1.50-1.60	0.6-2	0.16-0.18	0.0-2.9	0.5-1.0	.32	.32			
		36-60	2-10	1.60-1.70	6-20	0.04-0.07	0.0-2.9	0.0-1.0	.17	.17			
377B:													
Dinsdale----------	100	0-16	27-32	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	5	7	38
		16-33	30-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		33-60	20-28	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.43	.43			
377C2:													
Dinsdale----------	100	0-16	27-32	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.2-3.2	.32	.32	5	7	38
		16-33	30-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		33-60	20-28	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.43	.43			
382:													
Maxfield----------	100	0-22	27-35	1.35-1.40	0.6-2	0.21-0.23	6.0-8.9	6.0-8.0	.28	.28	5	7	38
		22-38	25-34	1.40-1.50	0.6-2	0.18-0.20	6.0-8.9	0.0-1.0	.32	.32			
		38-60	20-26	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.32	.32			
420B:													
Tama----------	100	0-17	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		17-43	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		43-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			

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Johnson 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					
422:													
Amana----------	95	0-19	18-27	1.20-1.30	0.6-2	0.22-0.24	3.0-5.9	3.5-4.5	.28	.28	5	6	48
		19-44	18-30	1.25-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.37	.37			
		44-60	18-26	1.25-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.37	.37			
428B:													
Ely----------	95	0-26	25-27	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	5.0-6.0	.28	.28	5	6	48
		26-57	28-35	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.43	.43			
		57-60	20-30	1.40-1.45	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
430:													
Ackmore----------	95	0-6	18-27	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	1.0-3.0	.32	.32	5	4	48
		6-27	18-30	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	1.0-3.0	.32	.32			
		27-60	26-38	1.30-1.40	0.6-2	0.18-0.20	6.0-8.9	3.0-5.0	.32	.32			
442B:													
Tama----------	50	0-17	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.4-4.0	.28	.28	5	3	48
		17-43	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		43-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
Dickinson----------	30	0-16	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.4-4.0	.20	.20	4	3	86
		16-30	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.0-1.0	.20	.20			
		30-36	10-15	1.45-1.55	2-6	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24			
		36-60	4-10	1.60-1.70	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
442C2:													
Tama----------	50	0-17	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.0-3.2	.32	.32	5	3	48
		17-43	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		43-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
Dickinson----------	30	0-16	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.0-3.2	.20	.20	4	3	86
		16-30	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.0-1.0	.20	.20			
		30-36	10-15	1.45-1.55	2-6	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24			
		36-60	4-10	1.60-1.70	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			

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Johnson County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
442D2:													
Tama	50	0-17	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.0-3.2	.32	.32	5	3	48
		17-43	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		43-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
Dickinson	30	0-16	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.0-3.2	.20	.20	4	3	86
		16-30	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.0-1.0	.20	.20			
		30-36	10-15	1.45-1.55	2-6	0.12-0.15	0.0-2.9	0.5-1.0	.24	.24			
		36-60	4-10	1.60-1.70	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
453:													
Tuskeego	100	0-19	16-22	1.35-1.40	0.6-2	0.19-0.23	3.0-5.9	3.0-4.0	.37	.37	5	6	56
		19-52	32-48	1.30-1.45	0.0000-0.06	0.13-0.17	6.0-8.9	0.0-2.0	.43	.43			
		52-60	28-40	1.40-1.50	0.06-0.2	0.16-0.19	3.0-5.9	0.0-1.0	.43	.43			
484:													
Lawson	95	0-31	10-27	1.20-1.55	0.6-2	0.22-0.24	0.0-2.9	4.4-6.0	.28	.28	5	6	56
		31-60	10-30	1.20-1.55	0.6-2	0.18-0.22	0.0-2.9	3.0-7.0	.28	.28			
485:													
Spillville	95	0-47	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
		47-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
520:													
Coppock	95	0-7	16-26	1.30-1.35	0.6-2	0.20-0.24	3.0-5.9	2.5-3.5	.32	.32	5	6	48
		7-24	16-27	1.30-1.40	0.6-2	0.18-0.22	3.0-5.9	0.0-1.0	.43	.43			
		24-50	25-35	1.30-1.40	0.6-2	0.17-0.21	3.0-5.9	0.0-0.5	.43	.43			
		50-60	24-40	1.40-1.45	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.43	.43			
539:													
Perks	95	0-8	10-15	1.50-1.55	2-6	0.12-0.15	0.0-2.9	0.5-1.5	.24	.24	5	3	86
		8-60	2-10	1.50-1.75	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
621:													
Houghton	100	0-10	0-0	0.15-0.30	0.6-6	0.45-0.55	---	20-99	.28	.28	3	5	56
		10-60	0-0	0.15-0.25	0.1-6	0.35-0.45	---	70-99	.28	.28			

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Johnson County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
687:													
Watkins	100	0-9	18-24	1.30-1.35	0.6-2	0.20-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		9-48	25-35	1.35-1.40	0.6-2	0.15-0.19	3.0-5.9	1.0-2.0	.43	.43			
		48-60	25-32	1.40-1.45	0.6-2	0.14-0.18	3.0-5.9	0.0-1.0	.43	.43			
687B:													
Watkins	100	0-9	18-24	1.30-1.35	0.6-2	0.20-0.24	3.0-5.9	2.5-3.5	.28	.28	5	6	48
		9-48	25-35	1.35-1.40	0.6-2	0.15-0.19	3.0-5.9	1.0-2.0	.43	.43			
		48-60	25-32	1.40-1.45	0.6-2	0.14-0.18	3.0-5.9	0.0-1.0	.43	.43			
688:													
Koszta	95	0-13	18-24	1.30-1.40	0.6-2	0.20-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		13-60	28-35	1.30-1.45	0.6-2	0.15-0.19	3.0-5.9	0.0-0.5	.43	.43			
727:													
Udolpho	100	0-14	18-27	1.30-1.50	0.6-2	0.20-0.24	0.0-2.9	3.0-4.0	.32	.32	4	6	48
		14-33	18-30	1.40-1.55	0.6-2	0.16-0.22	0.0-2.9	0.5-1.0	.37	.37			
		33-60	0-5	1.55-1.65	6-20	0.02-0.08	0.0-2.9	0.0-0.5	.10	.10			
729B:													
Nodaway	50	0-10	18-27	1.25-1.35	0.6-2	0.20-0.23	0.0-2.9	0.9-2.5	.32	.32	5	5	48
		10-60	18-28	1.25-1.35	0.6-2	0.20-0.23	3.0-5.9	0.0-0.5	.43	.43			
Arenzville	40	0-33	10-18	1.20-1.55	0.6-2	0.20-0.24	0.0-2.9	1.5-2.5	.37	.37	5	5	56
		33-60	10-30	1.25-1.45	0.6-2	0.18-0.22	3.0-5.9	1.0-5.0	.37	.37			
760:													
Ansgar	95	0-15	18-25	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		15-39	30-35	1.35-1.40	0.6-2	0.18-0.20	6.0-8.9	0.5-2.0	.43	.43			
		39-60	20-30	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.43	.43			
761:													
Franklin	90	0-14	18-25	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		14-25	30-34	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		25-60	20-28	1.40-1.55	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
771B:													
Waubeek----------	95	0-12	18-26	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.5-3.5	.28	.28	5	6	48
		12-35	25-34	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		35-60	20-28	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-1.0	.37	.37			
771C2:													
Waubeek----------	100	0-12	18-26	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.32	.32	5	6	48
		12-35	18-26	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	1.0-2.0	.32	.32			
		35-60	20-28	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
778:													
Sattre----------	95	0-12	18-24	1.40-1.45	0.6-2	0.18-0.20	0.0-2.9	3.0-4.0	.24	.24	4	6	48
		12-26	18-28	1.40-1.50	0.6-6	0.15-0.17	0.0-2.9	0.5-1.0	.28	.28			
		26-60	2-8	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			
778B:													
Sattre----------	100	0-12	18-24	1.40-1.45	0.6-2	0.18-0.20	0.0-2.9	2.5-3.5	.24	.24	4	6	48
		12-26	18-28	1.40-1.50	0.6-6	0.15-0.17	0.0-2.9	0.5-1.0	.28	.28			
		26-60	2-8	1.50-1.75	20-20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.20			
792D2:													
Armstrong----------	100	0-11	22-27	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		11-60	30-36	1.55-1.70	0.2-0.6	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
793:													
Bertrand----------	100	0-8	15-22	1.35-1.60	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.37	.37	4	5	56
		8-47	18-30	1.55-1.65	0.6-2	0.18-0.22	3.0-5.9	0.5-2.0	.37	.37			
		47-60	1-4	1.55-1.65	6-20	0.05-0.09	0.0-2.9	0.2-0.8	.15	.15			
826:													
Rowley----------	95	0-17	15-22	1.35-1.45	0.6-2	0.22-0.24	0.0-2.9	4.0-5.0	.28	.28	4	5	56
		17-45	20-30	1.35-1.65	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.43	.43			
		45-55	10-20	1.55-1.65	0.6-2	0.12-0.16	0.0-2.9	0.5-1.0	.43	.43			
		55-60	1-4	1.55-1.65	6-20	0.05-0.07	0.0-2.9	0.5-1.0	.15	.15			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
876B:													
Ladoga	100	0-10	18-27	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		10-49	36-42	1.30-1.40	0.2-0.6	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		49-60	24-32	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
920:													
Tama	100	0-18	24-27	1.25-1.30	0.6-2	0.22-0.24	0.0-2.9	3.5-4.5	.28	.28	4	6	48
		18-36	20-35	1.30-1.35	0.6-2	0.19-0.22	3.0-5.9	1.0-2.0	.43	.43			
		36-45	15-20	1.30-1.35	2-6	0.11-0.17	0.0-2.9	0.5-1.0	.24	.24			
		45-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
920B:													
Tama	100	0-18	24-27	1.25-1.30	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.28	.28	4	6	48
		18-36	20-35	1.30-1.35	0.6-2	0.19-0.22	3.0-5.9	1.0-2.0	.43	.43			
		36-45	15-20	1.30-1.35	2-6	0.11-0.17	0.0-2.9	0.5-1.0	.24	.24			
		45-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
962:													
Elvira	95	0-17	27-34	1.25-1.35	0.6-2	0.20-0.22	6.0-8.9	5.0-7.0	.28	.28	4	7	38
		17-60	28-35	1.35-1.45	0.6-2	0.17-0.19	6.0-8.9	0.5-1.0	.43	.43			
974B:													
Bolan	100	0-19	20-26	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	5	6	48
		19-26	12-20	1.45-1.50	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.28	.28			
		26-43	10-16	1.50-1.60	2-20	0.08-0.13	0.0-2.9	0.0-1.0	.17	.17			
		43-60	20-24	1.60-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.32	.32			
976:													
Raddle	100	0-23	18-24	1.20-1.40	0.6-2	0.22-0.24	0.0-2.9	3.5-4.5	.32	.32	5	6	48
		23-60	18-24	1.20-1.40	0.6-2	0.20-0.22	0.0-2.9	1.0-3.0	.43	.43			
993D2:													
Gara	60	0-10	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.0-3.0	.32	.32	5	6	48
		10-50	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
		50-60	24-38	1.65-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			

Physical Properties of the Soils

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Johnson 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					
Armstrong----------	40	0-11	22-27	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		11-60	30-36	1.55-1.70	0.2-0.6	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
993E2:													
Gara----------	60	0-10	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.0-3.0	.32	.32	5	6	48
		10-50	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
		50-60	24-38	1.65-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
Armstrong----------	40	0-11	22-27	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	2.0-3.0	.32	.32	3	6	48
		11-60	30-36	1.55-1.70	0.2-0.6	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
1119:													
Muscatine----------	95	0-7	24-27	1.28-1.32	0.6-2	0.22-0.24	3.0-5.9	5.0-6.0	.28	.28	5	6	48
		7-40	30-35	1.28-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		40-60	22-30	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
1160:													
Walford----------	100	0-8	20-26	1.35-1.40	0.6-2	0.21-0.23	3.0-5.9	2.5-3.5	.32	.32	5	6	48
		8-13	18-26	1.40-1.50	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
		13-56	27-35	1.35-1.40	0.2-0.6	0.18-0.20	6.0-8.9	0.0-1.0	.43	.43			
		56-60	24-27	1.40-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
1220:													
Nodaway----------	92	0-10	18-27	1.25-1.35	0.6-2	0.20-0.23	0.0-2.9	1.5-2.5	.32	.32	5	6	48
		10-60	18-28	1.25-1.35	0.6-2	0.20-0.23	3.0-5.9	0.0-0.5	.43	.43			
1280:													
Mahaska----------	95	0-21	27-32	1.30-1.40	0.6-2	0.21-0.23	3.0-5.9	5.0-6.0	.28	.28	5	7	38
		21-57	36-42	1.30-1.45	0.6-2	0.14-0.18	3.0-5.9	1.0-2.0	.43	.43			
		57-60	24-32	1.40-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
1291:													
Atterberry----------	95	0-12	20-26	1.35-1.55	0.6-2	0.22-0.25	0.0-2.9	3.0-4.0	.32	.32	5	6	48
		12-51	15-26	1.40-1.60	0.6-2	0.21-0.24	0.0-2.9	0.5-1.0	.32	.32			
		51-60	25-35	1.40-1.60	0.6-2	0.14-0.24	3.0-5.9	0.1-0.5	.43	.43			

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Johnson County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
1315:													
Perks	40	0-8	10-15	1.50-1.55	2-6	0.12-0.15	0.0-2.9	0.4-5.0	.24	.24	5	3	86
		8-60	2-10	1.50-1.75	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
Spillville	30	0-47	18-26	1.45-1.55	0.6-2	0.19-0.21	3.0-5.9	0.4-5.0	.24	.24	5	3	48
		47-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
1316:													
Fluvaquents	100	---	---	---	---	---	---	---	---	---	5	8	0
1484:													
Lawson	92	0-31	10-27	1.20-1.55	0.6-2	0.22-0.24	0.0-2.9	4.4-6.0	.28	.28	5	5	56
		31-60	10-30	1.20-1.55	0.6-2	0.18-0.22	0.0-2.9	3.0-7.0	.28	.28			
1485:													
Spillville	92	0-47	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
		47-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
2422:													
Amana	30	0-19	18-27	1.20-1.30	0.6-2	0.22-0.24	3.0-5.9	0.4-6.0	.28	.28	5	3	48
		19-44	18-30	1.25-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.37	.37			
		44-60	18-26	1.25-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.37	.37			
Lawson	30	0-31	10-27	1.20-1.55	0.6-2	0.22-0.24	0.0-2.9	0.4-6.0	.28	.28	5	3	56
		31-60	10-30	1.20-1.55	0.6-2	0.18-0.22	0.0-2.9	3.0-7.0	.28	.28			
Perks	30	0-8	10-15	1.50-1.55	2-6	0.12-0.15	0.0-2.9	0.4-6.0	.24	.24	5	3	86
		8-60	2-10	1.50-1.75	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
5010:													
Pits	100	---	---	---	---	---	---	---	---	---	-	---	---
5030:													
Pits	100	---	---	---	---	---	---	---	---	---	-	---	---
5040:													
Orthents	100	---	---	---	---	---	---	---	---	---	-	---	---

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Johnson 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	Kf	T	Wind erodi-bility group	Wind erodi-bility index
		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
INT:													
Intermittent Water----	100	---	---	---	---	---	---	---	---	---	-	---	---
SL:													
Sewage Lagoon---------	100	---	---	---	---	---	---	---	---	---	-	---	---
W:													
Water----------	100	---	---	---	---	---	---	---	---	---	-	---	---