Physical Properties of the Soils

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Muscatine 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					
41:													
Sparta----------	95	0-18	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
		18-33	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.17	.17			
		33-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			
41B:													
Sparta----------	95	0-18	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
		18-33	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.17	.17			
		33-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			
41D:													
Sparta----------	95	0-18	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
		18-33	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.17	.17			
		33-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.17	.17			
51B:													
Vesser----------	100	0-14	20-26	1.30-1.35	0.6-2	0.20-0.24	3.0-5.9	2.5-3.5	.28	.28	5	6	48
		14-26	18-22	1.35-1.40	0.6-2	0.18-0.22	3.0-5.9	1.0-2.0	.43	.43			
		26-60	30-35	1.40-1.45	0.6-2	0.17-0.21	3.0-5.9	0.0-1.0	.43	.43			
63B:													
Chelsea----------	95	0-6	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
		6-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
63C:													
Chelsea----------	95	0-6	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
		6-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
63D:													
Chelsea----------	100	0-6	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
		6-60	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	0-6	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
		6-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			

Physical Properties of the Soils

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Muscatine 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					
63G:													
Chelsea----------	95	0-6	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
		6-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
65D2:													
Lindley----------	100	0-10	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
		10-54	25-35	1.40-1.60	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		54-60	18-32	1.45-1.65	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
65E2:													
Lindley----------	100	0-10	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
		10-54	25-35	1.40-1.60	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		54-60	18-32	1.45-1.65	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
65F:													
Lindley----------	90	0-10	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
		10-54	25-35	1.40-1.60	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		54-60	18-32	1.45-1.65	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
65G:													
Lindley----------	90	0-10	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
		10-54	25-35	1.40-1.60	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		54-60	18-32	1.45-1.65	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
118:													
Garwin----------	95	0-19	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
		19-50	27-35	1.28-1.35	0.6-2	0.18-0.20	6.0-8.9	1.0-2.0	.28	.28			
		50-60	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----------	90	0-20	28-30	1.30-1.35	0.6-2	0.22-0.24	3.0-5.9	5.0-6.0	.28	.28	5	7	38
		20-40	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			

Physical Properties of the Soils

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Muscatine 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					
120B:													
Tama----------	100	0-15	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
		15-42	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		42-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
120B2:													
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
		7-15	27-32	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.0-2.0	.32	.32			
		15-42	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		42-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
120C:													
Tama----------	100	0-15	24-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.28	.28	5	7	48
		15-42	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.43	.43			
		42-60	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	7	48
		7-15	27-32	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.0-2.0	.32	.32			
		15-42	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		42-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
120C3:													
Tama----------	100	0-7	30-35	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.2-2.2	.43	.43	4	7	38
		7-38	30-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		38-60	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	0-8	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
		8-48	27-32	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.0-2.0	.32	.32			
		48-60	22-28	1.35-1.40	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
120D3:													
Tama----------	100	0-9	30-35	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.2-3.2	.43	.43	4	7	38
		9-36	30-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		36-60	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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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					
122:													
Sperry----------	100	0-10	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
		10-22	18-22	1.35-1.40	0.6-2	0.22-0.24	3.0-5.9	0.5-1.0	.43	.43			
		22-40	38-45	1.40-1.45	0.06-0.2	0.14-0.16	6.0-8.9	0.5-2.0	.43	.43			
		40-60	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----------	95	0-30	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
		30-55	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		55-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
133B:													
Colo----------	95	0-30	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
		30-42	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			
135B:													
Coland----------	100	0-35	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	48
		35-48	27-35	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	3.0-5.0	.24	.24			
		48-60	12-26	1.50-1.65	0.6-6	0.13-0.17	0.0-2.9	0.0-2.0	.28	.28			
136:													
Ankeny----------	100	0-32	10-18	1.50-1.55	2-6	0.16-0.18	0.0-2.9	2.5-3.5	.20	.20	4	3	86
		32-47	10-16	1.55-1.65	2-6	0.15-0.17	0.0-2.9	0.5-1.0	.20	.20			
		47-60	2-10	1.65-1.75	6-20	0.12-0.14	0.0-2.9	0.0-0.5	.20	.20			
139:													
Perks----------	90	0-4	2-10	1.50-1.55	6-20	0.07-0.09	0.0-2.9	0.5-2.0	.17	.17	5	2	134
		4-60	2-10	1.50-1.75	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
141:													
Watseka----------	95	0-15	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
		15-60	1-10	1.50-1.70	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			

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Muscatine 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					
152:													
Marshan----------	90	0-22	27-35	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	5.0-6.0	.28	.28	4	7	48
		22-37	25-35	1.40-1.55	0.6-2	0.17-0.22	3.0-5.9	1.0-3.0	.28	.28			
		37-60	0-5	1.55-1.65	6-20	0.02-0.05	0.0-2.9	0.0-0.5	.15	.15			
160:													
Walford----------	95	0-9	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
		9-16	18-26	1.40-1.50	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
		16-44	27-35	1.35-1.40	0.2-0.6	0.18-0.20	6.0-8.9	0.0-1.0	.43	.43			
		44-60	24-27	1.40-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
162B:													
Downs----------	95	0-12	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
		12-52	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		52-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
162C:													
Downs----------	100	0-12	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
		12-52	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		52-60	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	0-9	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
		9-52	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		52-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
162C3:													
Downs----------	100	0-8	27-32	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	1.0-2.0	.43	.43	4	7	38
		8-54	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		54-60	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
		7-46	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		46-60	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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Muscatine County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
162D3:													
Downs----------	100	0-9	27-32	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	1.0-2.0	.43	.43	4	7	38
		9-52	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		52-60	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----------	95	0-12	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
		12-48	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		48-60	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	0-12	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
		12-48	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		48-60	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	0-5	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
		5-44	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		44-60	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	0-8	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
		8-53	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		53-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163D2:													
Fayette----------	100	0-8	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
		8-53	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		53-60	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----------	95	0-8	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
		8-53	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		53-60	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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Muscatine 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					
163E2:													
Fayette----------	100	0-6	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
		6-50	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		50-60	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----------	90	0-8	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
		8-52	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		52-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
163G:													
Fayette----------	100	0-8	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
		8-52	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		52-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
164:													
Traer----------	95	0-17	18-24	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	2.5-3.5	.43	.43	3	6	48
		17-54	35-40	1.40-1.45	0.06-0.2	0.18-0.20	6.0-8.9	0.0-1.0	.43	.43			
		54-60	22-27	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
165:													
Stronghurst----------	95	0-13	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
		13-48	20-27	1.30-1.50	0.6-2	0.20-0.22	0.0-2.9	0.5-1.0	.37	.37			
		48-60	27-35	1.30-1.55	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
173:													
Hoopeston----------	95	0-17	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
		17-32	12-18	1.45-1.70	2-6	0.12-0.17	0.0-2.9	0.2-1.0	.28	.28			
		32-60	2-10	1.50-1.70	6-20	0.05-0.10	0.0-2.9	0.1-0.5	.17	.17			
174:													
Bolan----------	90	0-18	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
		18-33	12-20	1.45-1.50	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.24	.24			
		33-60	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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Muscatine County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
174B:													
Bolan----------	95	0-18	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
		18-33	12-20	1.45-1.50	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.24	.24			
		33-60	2-8	1.60-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.17	.17			
175:													
Dickinson----------	95	0-20	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
		20-38	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.0-1.0	.20	.20			
		38-60	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	0-20	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
		20-38	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.0-1.0	.20	.20			
		38-60	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	0-20	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
		20-38	10-18	1.50-1.55	2-6	0.12-0.15	0.0-2.9	1.0-1.0	.20	.20			
		38-60	4-10	1.60-1.70	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
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
		7-40	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.32	.32			
		40-60	24-38	1.65-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
179F:													
Gara----------	95	0-7	18-27	1.50-1.55	0.6-2	0.20-0.22	3.0-5.9	1.5-2.5	.28	.28	5	6	48
		7-48	25-38	1.55-1.75	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.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			
212:													
Kennebec----------	95	0-49	22-27	1.25-1.35	0.6-2	0.22-0.24	3.0-5.9	4.0-6.0	.28	.28	5	6	48
		49-60	24-28	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
249B:													
Zwingle----------	100	0-8	18-27	1.25-1.30	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.43	.43	3	6	48
		8-60	38-60	1.30-1.45	0.0000-0.06	0.12-0.16	6.0-8.9	0.0-1.0	.43	.43			

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Muscatine County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
291:													
Atterberry----------	90	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
		12-45	15-26	1.40-1.60	0.6-2	0.21-0.24	0.0-2.9	0.5-1.0	.32	.32			
		45-60	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----------	90	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
		12-45	15-26	1.40-1.60	0.6-2	0.21-0.24	0.0-2.9	0.5-1.0	.32	.32			
		45-60	25-35	1.40-1.60	0.6-2	0.14-0.24	3.0-5.9	0.1-0.5	.43	.43			
293G:													
Chelsea----------	50	0-3	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
		3-60	5-10	1.55-1.70	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
Fayette----------	35	0-9	15-27	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	0.4-3.0	.32	.32	5	6	48
		9-60	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
313G:													
Gosport----------	90	0-3	27-34	1.30-1.40	0.2-0.6	0.14-0.16	3.0-5.9	2.0-3.0	.43	.43	3	4	38
		3-30	36-60	1.50-1.60	0.0000-0.06	0.12-0.14	6.0-8.9	0.0-0.5	.32	.32			
		30-60	---	---	0.0000-0.06	---	---	---	---	---			
315:													
Aquolls----------	90	0-40	---	---	0.6-6	---	---	---	---	---	-	---	---
352B:													
Whittier----------	95	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
		9-36	28-32	1.30-1.40	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.43	.43			
		36-60	2-10	1.60-1.70	6-20	0.04-0.07	0.0-2.9	0.0-1.0	.17	.17			
352C:													
Whittier----------	95	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
		9-36	28-32	1.30-1.40	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.43	.43			
		36-60	2-10	1.60-1.70	6-20	0.04-0.07	0.0-2.9	0.0-1.0	.17	.17			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
352C2:													
Whittier----------	95	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
		9-36	28-32	1.30-1.40	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.43	.43			
		36-60	2-10	1.60-1.70	6-20	0.04-0.07	0.0-2.9	0.0-1.0	.17	.17			
352D2:													
Whittier----------	95	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
		9-36	28-32	1.30-1.40	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.43	.43			
		36-60	2-10	1.60-1.70	6-20	0.04-0.07	0.0-2.9	0.0-1.0	.17	.17			
450B:													
Pillot----------	95	0-16	20-27	1.20-1.40	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.32	.32	5	6	48
		16-36	27-35	1.30-1.50	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.43	.43			
		36-60	2-10	1.60-1.70	2-20	0.05-0.13	0.0-2.9	0.2-0.8	.17	.17			
450C2:													
Pillot----------	95	0-16	20-27	1.20-1.40	0.6-2	0.22-0.24	0.0-2.9	2.2-3.2	.32	.32	5	6	48
		16-36	27-35	1.30-1.50	0.6-2	0.16-0.20	3.0-5.9	1.0-2.0	.43	.43			
		36-60	2-10	1.60-1.70	2-20	0.05-0.13	0.0-2.9	0.2-0.8	.17	.17			
467:													
Radford----------	98	0-30	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
		30-60	18-27	1.40-1.60	0.6-2	0.20-0.22	0.0-2.9	3.0-5.0	.28	.28			
467B:													
Radford----------	98	0-30	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
		30-60	18-27	1.40-1.60	0.6-2	0.20-0.22	0.0-2.9	3.0-5.0	.28	.28			
479G:													
Gale----------	90	0-9	12-20	1.35-1.45	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	3	5	56
		9-28	20-32	1.45-1.55	0.6-2	0.18-0.22	3.0-5.9	0.5-1.0	.37	.37			
		28-32	1-14	1.30-1.50	6-20	0.05-0.14	0.0-2.9	0.0-0.5	.15	.15			
		32-60	---	---	2-20	---	---	---	---	---			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
480C2:													
Orwood----------	90	0-9	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		9-29	22-28	1.40-1.45	0.6-2	0.18-0.22	3.0-5.9	0.0-1.0	.43	.43			
		29-60	18-26	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
480D2:													
Orwood----------	100	0-9	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		9-29	22-28	1.40-1.45	0.6-2	0.18-0.22	3.0-5.9	0.0-1.0	.43	.43			
		29-60	18-26	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
480F2:													
Orwood----------	100	0-9	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		9-29	22-28	1.40-1.45	0.6-2	0.18-0.22	3.0-5.9	0.0-1.0	.43	.43			
		29-60	18-26	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
481D2:													
Russell----------	95	0-8	11-25	1.30-1.45	0.6-2	0.21-0.24	0.0-2.9	1.5-2.5	.37	.37	5	5	56
		8-28	25-33	1.40-1.60	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
		28-60	14-27	1.60-1.80	0.6-2	0.05-0.19	0.0-2.9	0.0-0.5	.37	.43			
481E2:													
Russell----------	100	0-8	11-25	1.30-1.45	0.6-2	0.21-0.24	0.0-2.9	1.5-2.5	.37	.37	5	5	56
		8-28	25-33	1.40-1.60	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
		28-60	14-27	1.60-1.80	0.6-2	0.05-0.19	0.0-2.9	0.0-0.5	.37	.43			
485:													
Spillville----------	95	0-50	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
		50-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
485B:													
Spillville----------	95	0-50	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
		50-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
488C2:													
Newvienna----------	90	0-9	18-27	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		9-46	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		46-60	15-25	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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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
488C3:													
Newvienna----------	100	0-7	27-32	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32	4	7	38
		7-42	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		42-60	15-25	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
488D2:													
Newvienna----------	95	0-9	18-27	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.0-3.0	.32	.32	5	6	48
		9-40	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		40-60	15-25	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
488D3:													
Newvienna----------	100	0-8	27-32	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32	4	7	38
		8-38	27-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		38-60	15-25	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
490:													
Caneek----------	95	0-31	18-24	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.7-1.7	.37	.37	5	4L	86
		31-60	18-28	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	0.0-0.5	.37	.37			
539:													
Perks----------	85	0-4	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
		4-60	2-10	1.50-1.75	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
566B:													
Moingona----------	95	0-12	18-20	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	5	5	56
		12-60	15-30	1.65-1.75	0.6-2	0.16-0.18	0.0-2.9	0.0-0.5	.28	.28			
566C:													
Moingona----------	95	0-12	18-20	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	5	5	56
		12-60	15-30	1.65-1.75	0.6-2	0.16-0.18	0.0-2.9	0.0-0.5	.28	.28			
567B:													
Moingona Variant------	95	0-16	10-18	1.40-1.55	0.6-2	0.15-0.18	0.0-2.9	3.0-4.0	.24	.24	5	5	56
		16-47	10-18	1.45-1.55	0.6-2	0.16-0.18	0.0-2.9	0.5-1.0	.28	.28			
		47-60	12-20	1.55-1.70	0.6-2	0.16-0.18	0.0-2.9	0.0-0.5	.28	.28			

Physical Properties of the Soils

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Muscatine 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					
623C2:													
Rozetta----------	100	0-8	15-27	1.20-1.40	0.6-2	0.22-0.24	0.0-2.9	1.5-2.5	.37	.37	5	6	48
		8-42	12-27	1.20-1.40	0.6-2	0.22-0.24	0.0-2.9	0.2-0.5	.37	.37			
		42-60	27-35	1.35-1.55	0.6-2	0.18-0.22	3.0-5.9	0.2-0.5	.37	.37			
623D2:													
Rozetta----------	100	0-8	15-27	1.20-1.40	0.6-2	0.22-0.24	0.0-2.9	1.5-2.5	.37	.37	5	6	48
		8-42	12-27	1.20-1.40	0.6-2	0.22-0.24	0.0-2.9	0.2-0.5	.37	.37			
		42-60	27-35	1.35-1.55	0.6-2	0.18-0.22	3.0-5.9	0.2-0.5	.37	.37			
653:													
Tuskeego----------	95	0-21	16-22	1.35-1.40	0.6-2	0.19-0.23	3.0-5.9	3.0-4.0	.37	.37	4	5	56
		21-55	35-40	1.40-1.50	0.06-0.2	0.16-0.19	3.0-5.9	1.0-2.0	.43	.43			
		55-60	3-10	1.30-1.35	6-20	0.25-0.50	0.0-2.9	0.0-1.0	.17	.17			
680G:													
Lindley----------	50	0-10	18-27	1.20-1.40	0.6-2	0.16-0.18	0.0-2.9	0.9-3.5	.32	.32	5	6	48
		10-45	25-35	1.40-1.60	0.2-0.6	0.14-0.18	3.0-5.9	0.1-1.0	.32	.32			
		45-60	18-32	1.45-1.65	0.2-0.6	0.12-0.16	3.0-5.9	0.1-0.5	.32	.32			
Douds----------	20	0-7	20-27	1.45-1.50	0.6-2	0.15-0.17	0.0-2.9	0.9-3.5	.28	.28	5	6	48
		7-13	26-35	1.45-1.65	0.6-2	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
		13-60	5-30	1.55-1.75	0.6-6	0.11-0.13	0.0-2.9	0.0-0.5	.32	.32			
Orwood----------	20	0-8	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.9-3.5	.28	.28	5	6	48
		8-43	22-28	1.40-1.45	0.6-2	0.18-0.22	3.0-5.9	1.0-2.0	.43	.43			
		43-60	18-26	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
684:													
Elrick----------	90	0-13	12-20	1.50-1.55	2-6	0.12-0.14	0.0-2.9	2.0-3.0	.20	.20	4	3	86
		13-25	8-18	1.55-1.60	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.20	.20			
		25-60	2-8	1.60-1.75	20-101	0.02-0.04	0.0-2.9	0.0-1.0	.17	.17			

Physical Properties of the Soils

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Muscatine 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					
727:													
Udolpho----------	100	0-14	18-27	1.30-1.40	0.6-2	0.19-0.22	3.0-5.9	3.0-4.0	.32	.32	4	6	48
		14-28	18-32	1.35-1.45	0.6-2	0.18-0.22	3.0-5.9	1.0-3.0	.32	.32			
		28-32	10-20	1.35-1.45	0.6-2	0.15-0.18	0.0-2.9	0.5-1.0	.24	.24			
		32-60	2-8	1.35-1.55	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
753B:													
Thebes----------	95	0-7	18-27	1.15-1.35	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	4	6	48
		7-28	25-35	1.30-1.50	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
		28-33	15-30	1.35-1.55	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.37	.37			
		33-60	3-10	1.80-2.00	6-20	0.05-0.10	0.0-2.9	0.1-0.5	.15	.15			
753C:													
Thebes----------	95	0-7	18-27	1.15-1.35	0.6-2	0.22-0.24	0.0-2.9	2.0-3.0	.37	.37	4	6	48
		7-28	25-35	1.30-1.50	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
		28-33	15-30	1.35-1.55	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.37	.37			
		33-60	3-10	1.80-2.00	6-20	0.05-0.10	0.0-2.9	0.1-0.5	.15	.15			
753C2:													
Thebes----------	95	0-7	18-27	1.15-1.35	0.6-2	0.22-0.24	0.0-2.9	1.5-2.5	.37	.37	4	6	48
		7-28	25-35	1.30-1.50	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
		28-33	15-30	1.35-1.55	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.37	.37			
		33-60	3-10	1.80-2.00	6-20	0.05-0.10	0.0-2.9	0.1-0.5	.15	.15			
753D2:													
Thebes----------	95	0-7	18-27	1.15-1.35	0.6-2	0.22-0.24	0.0-2.9	1.5-2.5	.37	.37	4	6	48
		7-28	25-35	1.30-1.50	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.37	.37			
		28-33	15-30	1.35-1.55	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.37	.37			
		33-60	3-10	1.80-2.00	6-20	0.05-0.10	0.0-2.9	0.1-0.5	.15	.15			
759:													
Fruitfield----------	95	0-36	1-5	1.50-1.60	20-101	0.04-0.06	0.0-2.9	1.5-2.5	.15	.15	5	2	250
		36-60	0-3	1.60-1.70	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.17	.17			
759B:													
Fruitfield----------	100	0-36	1-5	1.50-1.60	20-101	0.04-0.06	0.0-2.9	1.0-2.0	.15	.15	5	2	250
		36-60	0-3	1.60-1.70	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.17	.17			

Physical Properties of the Soils

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Muscatine 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					
763E3:													
Exette----------	100	0-14	27-30	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	0.4-2.0	.37	.37	4	6	38
		14-35	20-27	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		35-60	15-20	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
763F3:													
Exette----------	100	0-14	27-30	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	0.4-2.0	.37	.37	4	6	38
		14-35	20-27	1.35-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		35-60	15-20	1.45-1.50	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
771C2:													
Waubeek----------	95	0-7	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
		7-26	18-26	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	1.0-2.0	.32	.32			
		26-60	20-28	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
771D2:													
Waubeek----------	100	0-7	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
		7-26	18-26	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	1.0-2.0	.32	.32			
		26-60	20-28	1.65-1.75	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
793:													
Bertrand----------	100	0-16	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
		16-40	18-30	1.55-1.65	0.6-2	0.18-0.22	3.0-5.9	0.0-1.0	.37	.37			
		40-48	10-20	1.55-1.65	0.6-6	0.09-0.22	0.0-2.9	0.0-0.5	.37	.37			
		48-60	1-4	1.55-1.65	6-20	0.05-0.09	0.0-2.9	0.0-0.5	.15	.15			
826:													
Rowley----------	90	0-19	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
		19-47	20-30	1.35-1.65	0.6-2	0.18-0.22	0.0-2.9	1.0-2.0	.43	.43			
		47-51	10-20	1.55-1.65	0.6-2	0.12-0.16	0.0-2.9	0.5-1.0	.43	.43			
		51-60	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					
916B:													
Downs----------	100	0-13	18-27	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.5-3.5	.32	.32	4	6	48
		13-39	26-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		39-53	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		53-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
916B2:													
Downs----------	95	0-13	18-27	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.0-3.0	.32	.32	4	6	48
		13-39	26-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		39-53	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		53-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
916C:													
Downs----------	100	0-13	18-27	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.5-3.5	.32	.32	4	6	48
		13-39	26-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		39-53	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		53-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
916C2:													
Downs----------	95	0-13	18-27	1.25-1.30	0.6-2	0.21-0.23	0.0-2.9	2.0-3.0	.32	.32	4	6	48
		13-39	26-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		39-53	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
		53-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
917B:													
Fayette----------	95	0-14	15-25	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	4	6	48
		14-54	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.37	.37			
		54-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
917C:													
Fayette----------	100	0-14	15-25	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	2.0-3.0	.32	.32	4	6	48
		14-54	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.37	.37			
		54-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			

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Muscatine 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					
917C2:													
Fayette----------	95	0-14	15-25	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	1.5-2.5	.37	.37	4	6	48
		14-54	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
		54-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
917D2:													
Fayette----------	95	0-14	15-25	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	1.5-2.5	.37	.37	4	6	48
		14-54	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.37	.37			
		54-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
920B:													
Tama----------	95	0-16	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
		16-50	20-35	1.30-1.35	0.6-2	0.19-0.22	3.0-5.9	1.0-2.0	.43	.43			
		50-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
920B2:													
Tama----------	95	0-16	24-27	1.25-1.30	0.6-2	0.22-0.24	0.0-2.9	2.2-3.2	.28	.28	4	6	48
		16-50	20-35	1.30-1.35	0.6-2	0.19-0.22	3.0-5.9	1.0-2.0	.43	.43			
		50-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
920C:													
Tama----------	100	0-16	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
		16-50	20-35	1.30-1.35	0.6-2	0.19-0.22	3.0-5.9	1.0-2.0	.43	.43			
		50-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
920C2:													
Tama----------	95	0-16	24-27	1.25-1.30	0.6-2	0.22-0.24	0.0-2.9	2.2-3.2	.32	.32	4	6	48
		16-50	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	1.0-2.0	.32	.32			
		50-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
920C3:													
Tama----------	95	0-8	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	1.2-2.2	.32	.32	3	7	38
		8-48	20-35	1.30-1.35	0.6-2	0.19-0.22	3.0-5.9	0.0-1.0	.43	.43			
		48-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			

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Muscatine 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					
925:													
Toolesboro----------	100	0-12	10-18	1.50-1.55	2-6	0.12-0.14	0.0-2.9	2.0-3.0	.20	.20	4	3	86
		12-41	8-18	1.50-1.55	2-6	0.12-0.14	0.0-2.9	0.0-1.0	.17	.17			
		41-60	2-18	1.60-1.75	20-101	0.02-0.04	0.0-2.9	0.0-1.0	.15	.15			
930:													
Orion----------	95	0-6	10-18	1.20-1.30	0.6-2	0.22-0.24	0.0-2.9	1.0-3.0	.37	.37	5	5	56
		6-20	10-18	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	1.0-3.0	.37	.37			
		20-39	10-30	1.25-1.45	0.6-2	0.18-0.22	0.0-2.9	3.0-8.0	.37	.37			
		39-60	10-18	1.20-1.40	0.6-2	0.18-0.22	0.0-2.9	0.0-0.5	.37	.37			
960:													
Shaffton----------	95	0-11	20-27	1.45-1.55	0.6-2	0.20-0.22	3.0-5.9	2.0-3.0	.28	.28	5	6	48
		11-48	18-26	1.55-1.65	0.6-2	0.17-0.19	3.0-5.9	1.0-3.0	.28	.28			
		48-60	8-16	1.65-1.70	6-20	0.05-0.08	0.0-2.9	0.0-0.5	.17	.17			
961:													
Ambraw----------	98	0-5	27-32	1.35-1.50	0.6-2	0.15-0.19	3.0-5.9	4.0-5.0	.28	.28	4	7	38
		5-34	18-34	1.40-1.65	0.6-2	0.10-0.18	3.0-5.9	0.5-1.0	.28	.28			
		34-40	12-24	1.45-1.70	2-6	0.13-0.18	0.0-2.9	0.1-1.0	.20	.20			
		40-60	2-12	1.55-1.75	6-20	0.06-0.09	0.0-2.9	0.1-1.0	.15	.17			
963:													
Elvers----------	90	0-40	8-18	1.35-1.55	0.6-2	0.20-0.24	0.0-2.9	2.0-3.0	.37	.37	5	5	56
		40-60	0-0	0.10-0.24	2-6	0.35-0.45	---	40-50	---	---			
977:													
Richwood----------	100	0-20	15-22	1.35-1.60	0.6-2	0.22-0.24	0.0-2.9	3.5-4.5	.28	.28	4	5	56
		20-44	18-30	1.55-1.65	0.6-2	0.18-0.22	3.0-5.9	0.5-1.0	.43	.43			
		44-60	1-4	1.55-1.65	6-20	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
977B2:													
Richwood----------	100	0-20	15-22	1.35-1.60	0.6-2	0.22-0.24	0.0-2.9	2.2-3.2	.28	.28	4	5	56
		20-44	18-30	1.55-1.65	0.6-2	0.18-0.22	3.0-5.9	0.5-1.0	.43	.43			
		44-60	1-4	1.55-1.65	6-20	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			

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Muscatine 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					
1043:													
Bremer----------	95	0-18	27-32	1.25-1.30	0.2-0.6	0.21-0.23	6.0-8.9	5.0-7.0	.32	.32	4	7	38
		18-46	35-42	1.30-1.40	0.2-0.6	0.18-0.20	6.0-8.9	1.0-2.0	.43	.43			
		46-54	15-27	1.30-1.50	0.6-2	0.16-0.19	0.0-2.9	0.5-1.0	.37	.37			
		54-60	3-10	1.30-1.35	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.15			
1212:													
Kennebec----------	85	0-46	22-27	1.25-1.35	0.6-2	0.22-0.24	3.0-5.9	4.0-6.0	.28	.28	5	6	48
		46-60	24-28	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
1490:													
Caneek----------	98	0-39	18-24	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.7-1.7	.37	.37	5	4L	86
		39-60	18-30	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	0.0-0.5	.37	.37			
1520:													
Coppock----------	95	0-9	16-26	1.30-1.35	0.6-2	0.20-0.24	3.0-5.9	2.5-3.5	.28	.28	4	6	48
		9-23	16-27	1.30-1.40	0.6-2	0.18-0.22	3.0-5.9	1.0-2.0	.43	.43			
		23-58	24-35	1.30-1.40	0.6-2	0.17-0.21	3.0-5.9	0.0-1.0	.43	.43			
		58-72	2-10	1.60-1.75	6-20	0.03-0.08	0.0-2.9	0.0-0.5	.10	.10			
1621:													
Houghton----------	100	0-10	0-0	0.08-0.30	0.1-6	0.35-0.45	---	20-99	.28	.28	3	8	0
		10-60	---	0.13-0.23	0.1-6	0.35-0.45	---	70-99	.28	.28			
1926:													
Canoe----------	90	0-9	18-24	1.30-1.35	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.28	.28	4	6	48
		9-21	20-27	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
		21-54	18-30	1.40-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
		54-60	3-10	1.30-1.35	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
2221:													
Palms----------	95	0-34	0-0	0.25-0.45	0.1-6	0.35-0.45	---	20-99	.28	.28	5	2	134
		34-48	7-35	1.45-1.70	0.6-2	0.16-0.20	3.0-5.9	5.0-7.0	---	---			
		48-60	0-10	1.50-1.65	2-20	0.04-0.10	0.0-2.9	0.0-1.0	.15	.15			

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Muscatine County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
2226:													
Elrin----------	90	0-23	16-25	1.45-1.50	0.6-2	0.17-0.19	0.0-2.9	3.0-4.0	.24	.24	4	6	48
		23-35	14-22	1.45-1.50	0.6-2	0.17-0.19	0.0-2.9	0.5-2.0	.28	.28			
		35-60	4-10	1.60-1.70	6-20	0.08-0.10	0.0-2.9	0.0-0.5	.17	.17			
2490:													
Caneek Variant--------	95	0-9	2-10	1.50-1.55	6-20	0.08-0.10	0.0-2.9	0.5-1.5	.17	.17	5	3	134
		9-31	2-10	1.50-1.55	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
		31-46	18-24	1.25-1.40	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.32	.32			
		46-60	24-32	1.25-1.40	0.6-2	0.22-0.24	3.0-5.9	3.0-5.0	.32	.32			
2587:													
Dolbee----------	100	0-16	24-27	1.25-1.30	0.6-2	0.20-0.24	3.0-5.9	2.0-3.0	.32	.32	4	6	48
		16-52	20-34	1.25-1.30	0.6-2	0.18-0.22	3.0-5.9	0.0-2.0	.32	.32			
		52-60	2-10	1.60-1.75	6-20	0.03-0.08	0.0-2.9	0.0-0.5	.10	.10			
2636:													
Radford----------	50	0-28	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
		28-60	24-35	1.35-1.55	0.6-2	0.18-0.20	3.0-5.9	3.0-5.0	.28	.28			
Hanlon----------	30	0-11	15-25	1.30-1.35	0.6-2	0.20-0.22	0.0-2.9	1.0-3.0	.28	.28	5	6	48
		11-44	12-18	1.45-1.55	2-6	0.16-0.18	0.0-2.9	1.0-2.0	.20	.20			
		44-60	5-10	1.55-1.70	2-6	0.11-0.13	0.0-2.9	1.0-2.0	.20	.20			
3133:													
Colo----------	100	0-34	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
		34-44	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		44-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
3134:													
Zook----------	90	0-38	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	4	38
		38-50	36-45	1.30-1.45	0.06-0.2	0.11-0.13	6.0-8.9	2.0-4.0	.28	.28			
		50-60	20-45	1.30-1.45	0.0000-0.6	0.11-0.22	6.0-8.9	0.0-1.0	.28	.28			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
3135:													
Coland----------	95	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	7	48
		8-46	27-35	1.40-1.50	0.6-2	0.20-0.22	3.0-5.9	3.0-5.0	.24	.24			
		46-60	12-26	1.50-1.65	0.6-6	0.13-0.17	0.0-2.9	0.0-2.0	.28	.28			
3960:													
Shaffton----------	95	0-20	20-27	1.45-1.55	0.6-2	0.20-0.22	3.0-5.9	2.0-3.0	.28	.28	5	6	48
		20-39	18-26	1.55-1.65	0.6-2	0.17-0.19	3.0-5.9	1.0-3.0	.28	.28			
		39-60	8-16	1.65-1.70	6-20	0.05-0.08	0.0-2.9	0.0-0.5	.17	.17			
3961:													
Ambraw----------	95	0-9	27-32	1.35-1.55	0.6-2	0.12-0.16	3.0-5.9	4.0-5.0	.28	.28	4	6	48
		9-41	18-34	1.40-1.65	0.6-2	0.10-0.18	3.0-5.9	0.5-1.0	.28	.28			
		41-48	12-24	1.45-1.70	2-6	0.13-0.18	0.0-2.9	0.1-1.0	.20	.20			
		48-60	2-12	1.55-1.75	6-20	0.06-0.09	0.0-2.9	0.1-1.0	.15	.17			
4160:													
Walford----------	75	0-9	20-26	1.35-1.40	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.32	.32	5	6	48
		9-16	18-26	1.40-1.50	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
		16-44	27-35	1.35-1.40	0.2-0.6	0.18-0.20	6.0-8.9	0.0-1.0	.43	.43			
		44-60	24-27	1.40-1.45	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
Urban Land----------	25	---	---	---	---	---	---	---	---	---	-	---	---
4162C:													
Downs----------	50	0-9	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
		9-52	26-35	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		52-60	22-26	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
Urban Land----------	45	---	---	---	---	---	---	---	---	---	-	---	---
4163D:													
Fayette----------	50	0-8	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
		8-53	25-35	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		53-60	22-26	1.45-1.50	0.6-2	0.18-0.20	3.0-5.9	0.0-0.5	.43	.43			
Urban Land----------	45	---	---	---	---	---	---	---	---	---	-	---	---

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
4636:													
Radford----------	50	0-5	18-27	1.40-1.60	0.6-2	0.22-0.24	0.0-2.9	2.0-4.0	.28	.28	5	6	48
		5-28	18-27	1.40-1.60	0.6-2	0.20-0.22	0.0-2.9	2.0-4.0	.28	.28			
		28-60	24-35	1.35-1.55	0.6-2	0.18-0.20	3.0-5.9	3.0-5.0	.28	.28			
Urban Land----------	45	---	---	---	---	---	---	---	---	---	-	---	---
4759:													
Fruitfield----------	45	0-27	1-5	1.50-1.60	20-101	0.04-0.06	0.0-2.9	1.0-2.0	.15	.15	5	1	250
		27-60	0-3	1.60-1.70	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.17	.17			
Urban Land----------	45	---	---	---	---	---	---	---	---	---	-	---	---
4960:													
Shaffton----------	50	0-20	20-27	1.45-1.55	0.6-2	0.20-0.22	3.0-5.9	2.0-3.0	.28	.28	5	6	48
		20-39	18-26	1.55-1.65	0.6-2	0.17-0.19	3.0-5.9	1.0-3.0	.28	.28			
		39-60	8-16	1.65-1.70	6-20	0.05-0.08	0.0-2.9	0.0-0.5	.17	.17			
Urban Land----------	40	---	---	---	---	---	---	---	---	---	-	---	---
4977B:													
Richwood----------	50	0-20	15-22	1.35-1.60	0.6-2	0.22-0.24	0.0-2.9	2.0-5.0	.28	.28	4	5	56
		20-44	18-30	1.55-1.65	0.6-2	0.18-0.22	3.0-5.9	0.5-1.0	.43	.43			
		44-60	1-4	1.55-1.65	6-20	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
Urban Land----------	40	---	---	---	---	---	---	---	---	---	-	---	---
5010:													
Pits----------	100	---	---	---	---	---	---	---	---	---	-	---	---
5040:													
Orthents----------	100	---	---	---	---	---	---	---	---	---	-	---	---
W:													
Water----------	100	---	---	---	---	---	---	---	---	---	-	---	---