Physical Properties of the Soils

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Crawford 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					
AdD3:													
Adair	100	0-7	35-42	1.45-1.50	0.2-0.6	0.17-0.19	3.0-5.9	1.7-2.7	.37	.37	2	4	86
		7-34	38-60	1.55-1.60	0.06-0.2	0.13-0.16	6.0-8.9	0.0-0.5	.32	.32			
		34-60	30-38	1.60-1.70	0.2-0.6	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
AdE3:													
Adair	100	0-7	35-42	1.45-1.50	0.2-0.6	0.17-0.19	3.0-5.9	1.7-2.7	.37	.37	2	4	86
		7-34	38-60	1.55-1.60	0.06-0.2	0.13-0.16	6.0-8.9	0.0-0.5	.32	.32			
		34-60	30-38	1.60-1.70	0.2-0.6	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
ChD3:													
Chute	100	0-9	10-15	1.45-1.60	6-20	0.15-0.17	0.0-2.9	1.0-2.0	.20	.20	5	3	86
		9-60	1-8	1.60-1.75	6-20	0.06-0.09	0.0-2.9	0.0-0.5	.15	.15			
ChE3:													
Chute	100	0-9	10-15	1.45-1.60	6-20	0.15-0.17	0.0-2.9	1.0-2.0	.20	.20	5	3	86
		9-60	1-8	1.60-1.75	6-20	0.06-0.09	0.0-2.9	0.0-0.5	.15	.15			
Co:													
Colo	100	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
		15-50	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		50-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
Cs:													
Colo	100	0-37	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
		37-48	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		48-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
DoC2:													
Dow	100	0-6	18-25	1.20-1.45	0.6-2	0.22-0.24	0.0-2.9	1.7-2.7	.37	.37	5	4L	86
		6-60	18-25	1.30-1.45	0.6-2	0.20-0.22	0.0-2.9	0.0-1.0	.43	.43			
DoD2:													
Dow	100	0-6	18-25	1.20-1.45	0.6-2	0.22-0.24	0.0-2.9	1.7-2.7	.37	.37	5	4L	86
		6-60	18-25	1.30-1.45	0.6-2	0.20-0.22	0.0-2.9	1.7-2.7	.43	.43			

Physical Properties of the Soils

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Crawford 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					
DsD3:													
Dow	65	0-6	18-25	1.20-1.45	0.6-2	0.22-0.24	0.0-2.9	0.7-1.7	.43	.43	4	4L	86
		6-60	18-25	1.30-1.45	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
Ida	35	0-6	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
		6-60	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
DsE3:													
Dow	70	0-6	18-25	1.20-1.45	0.6-2	0.22-0.24	0.0-2.9	0.7-1.7	.43	.43	4	4L	86
		6-60	18-25	1.30-1.45	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
Ida	30	0-6	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
		6-60	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
DwC2:													
Dow	50	0-6	18-25	1.20-1.45	0.6-2	0.22-0.24	0.0-2.9	1.8-3.2	.37	.37	5	4L	86
		6-60	18-25	1.30-1.45	0.6-2	0.20-0.22	0.0-2.9	0.0-1.0	.43	.43			
Monona	40	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.8-3.2	.32	.32	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
DwD2:													
Dow	60	0-6	18-25	1.20-1.45	0.6-2	0.22-0.24	0.0-2.9	1.8-3.2	.37	.37	5	4L	86
		6-60	18-25	1.30-1.45	0.6-2	0.20-0.22	0.0-2.9	0.0-1.0	.43	.43			
Monona	35	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.8-3.2	.32	.32	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
DwD3:													
Dow	60	0-6	18-25	1.20-1.45	0.6-2	0.22-0.24	0.0-2.9	0.8-2.2	.43	.43	4	4L	86
		6-60	18-25	1.30-1.45	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
Monona	35	0-7	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	0.8-2.2	.43	.43	4	6	48
		7-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			

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Crawford 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					
DwE2:													
Dow	70	0-6	18-25	1.20-1.45	0.6-2	0.22-0.24	0.0-2.9	1.8-3.2	.37	.37	5	4L	86
		6-60	18-25	1.30-1.45	0.6-2	0.20-0.22	0.0-2.9	0.0-1.0	.43	.43			
Monona	30	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.8-3.2	.32	.32	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
DwE3:													
Dow	70	0-6	18-25	1.20-1.45	0.6-2	0.22-0.24	0.0-2.9	0.8-2.2	.43	.43	4	4L	86
		6-60	18-25	1.30-1.45	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
Monona	30	0-7	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.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			
IdC:													
Ida	100	0-6	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
		6-60	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
IdC3:													
Ida	100	0-6	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
		6-60	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
IdD:													
Ida	100	0-6	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
		6-60	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
IdD3:													
Ida	100	0-6	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
		6-60	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
IdE3:													
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			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
IdF3:													
Ida	100	0-6	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
		6-60	18-25	1.20-1.30	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
JdA:													
Judson	100	0-32	27-32	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	3.5-4.5	.28	.28	5	7	38
		32-52	30-35	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.43	.43			
		52-60	25-32	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	0.0-1.0	.43	.43			
JdB:													
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
		32-52	30-35	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.43	.43			
		52-60	25-32	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	0.0-1.0	.43	.43			
JnB:													
Judson	35	0-32	27-32	1.30-1.35	0.6-2	0.21-0.23	3.0-5.9	4.0-5.0	.28	.28	5	7	38
		32-52	30-35	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	2.0-3.0	.43	.43			
		52-60	25-32	1.35-1.45	0.6-2	0.21-0.23	3.0-5.9	0.0-1.0	.43	.43			
Colo	30	0-37	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
		37-48	30-35	1.25-1.35	0.6-2	0.18-0.20	3.0-5.9	3.0-4.0	.28	.28			
		48-60	25-35	1.35-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-2.0	.32	.32			
Kb:													
Kennebec	95	0-41	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
		41-60	24-28	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
Kc:													
Kennebec	95	0-15	22-27	1.25-1.35	0.6-2	0.22-0.24	3.0-5.9	3.0-5.0	.28	.28	5	6	48
		15-60	24-28	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
KnD:													
Knox	100	0-9	18-27	1.20-1.30	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		9-38	25-35	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		38-60	18-27	1.20-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
KnE:													
Knox	100	0-9	18-27	1.20-1.30	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		9-38	25-35	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		38-60	18-27	1.20-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
KnF:													
Knox	100	0-9	18-27	1.20-1.30	0.6-2	0.22-0.24	0.0-2.9	2.5-3.5	.32	.32	5	6	48
		9-38	25-35	1.30-1.40	0.6-2	0.18-0.20	3.0-5.9	0.5-1.0	.43	.43			
		38-60	18-27	1.20-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MaA:													
Marshall	100	0-20	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.5-4.5	.28	.28	5	7	38
		20-44	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		44-60	22-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
MaB:													
Marshall	100	0-20	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	5	7	38
		20-44	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		44-60	22-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
MaB2:													
Marshall	100	0-7	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.2-3.2	.32	.32	5	7	38
		7-20	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-1.0	.32	.32			
		20-44	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		44-60	22-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
MaC:													
Marshall	100	0-20	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	5	7	38
		20-44	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		44-60	22-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
MaC2:													
Marshall	100	0-7	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.2-3.2	.32	.32	5	7	38
		7-20	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-1.0	.32	.32			
		20-44	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		44-60	22-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
MaD:													
Marshall----------	100	0-20	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	3.0-4.0	.28	.28	5	7	38
		20-44	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		44-60	22-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
MaD2:													
Marshall----------	100	0-7	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.2-3.2	.32	.32	5	7	38
		7-20	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-1.0	.32	.32			
		20-44	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		44-60	22-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
MaD3:													
Marshall----------	100	0-7	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	1.2-2.2	.43	.43	4	7	38
		7-31	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-2.0	.43	.43			
		31-60	22-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
MaE2:													
Marshall----------	100	0-7	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	2.2-3.2	.32	.32	5	7	38
		7-20	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	1.0-1.0	.32	.32			
		20-44	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-1.0	.43	.43			
		44-60	22-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
MaE3:													
Marshall----------	100	0-7	27-35	1.25-1.30	0.6-2	0.21-0.23	3.0-5.9	1.2-2.2	.43	.43	4	7	38
		7-31	27-34	1.30-1.35	0.6-2	0.18-0.20	3.0-5.9	0.0-2.0	.43	.43			
		31-60	22-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
MoA:													
Monona----------	100	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.5-4.5	.28	.28	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MoB:													
Monona----------	100	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			

Physical Properties of the Soils

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Crawford 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					
MoB2:													
Monona----------	100	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MoC:													
Monona----------	100	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MoC2:													
Monona----------	100	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MoC3:													
Monona----------	100	0-7	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.2-2.2	.43	.43	4	6	48
		7-30	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		30-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MoD:													
Monona----------	100	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MoD2:													
Monona----------	100	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MoD3:													
Monona----------	100	0-7	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.2-2.2	.43	.43	4	6	48
		7-30	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		30-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			

Physical Properties of the Soils

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Crawford 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					
MoE2:													
Monona----------	100	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MoE3:													
Monona----------	100	0-7	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.2-2.2	.43	.43	4	6	48
		7-30	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		30-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MoF2:													
Monona----------	100	0-15	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		15-38	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	1.0-1.0	.43	.43			
		38-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MoF3:													
Monona----------	100	0-7	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.2-2.2	.43	.43	4	6	48
		7-30	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		30-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
MoG3:													
Monona----------	100	0-7	20-27	1.25-1.30	0.6-2	0.22-0.24	3.0-5.9	1.2-2.2	.43	.43	4	6	48
		7-30	24-28	1.30-1.35	0.6-2	0.20-0.22	3.0-5.9	0.0-0.5	.43	.43			
		30-60	18-24	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	0.0-0.5	.43	.43			
NbB:													
Napier----------	100	0-31	20-27	1.20-1.25	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48
		31-60	20-27	1.25-1.30	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
NbC:													
Napier----------	100	0-31	20-27	1.20-1.25	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48
		31-60	20-27	1.25-1.30	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
NbD:													
Napier----------	100	0-31	20-27	1.20-1.25	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48
		31-60	20-27	1.25-1.30	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			

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Crawford County, Iowa

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
NgC:													
Napier	50	0-31	20-27	1.20-1.25	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48
		31-60	20-27	1.25-1.30	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
Gullied Land	40	---	---	---	---	---	---	---	---	---	-	---	---
NkB:													
Napier	40	0-31	20-27	1.20-1.25	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48
		31-60	20-27	1.25-1.30	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
Kennebec	35	0-41	22-27	1.25-1.35	0.6-2	0.22-0.24	3.0-5.9	5.0-6.0	.28	.28	5	6	48
		41-60	24-28	1.35-1.40	0.6-2	0.20-0.22	3.0-5.9	1.0-2.0	.43	.43			
NkC:													
Napier	100	0-31	20-27	1.20-1.25	0.6-2	0.22-0.24	0.0-2.9	3.0-4.0	.28	.28	5	6	48
		31-60	20-27	1.25-1.30	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.43	.43			
No:													
Nodaway	95	0-6	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
		6-60	18-28	1.25-1.35	0.6-2	0.20-0.23	3.0-5.9	0.0-0.5	.43	.43			
SaD2:													
Salida	100	0-16	5-15	1.35-1.45	2-6	0.10-0.12	0.0-2.9	1.0-2.0	.10	.20	5	8	0
		16-25	2-8	1.50-1.65	20-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.17			
		25-60	0-5	1.50-1.65	20-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.17			
SaF2:													
Salida	100	0-16	5-15	1.35-1.45	2-6	0.10-0.12	0.0-2.9	1.0-2.0	.10	.20	5	8	0
		16-25	2-8	1.50-1.65	20-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.17			
		25-60	0-5	1.50-1.65	20-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.17			
ShC2:													
Shelby	100	0-7	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		7-12	30-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	1.0-2.0	.28	.28			
		12-34	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.28	.28			
		34-60	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
ShD2:													
Shelby----------	100	0-7	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		7-12	30-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	1.0-2.0	.28	.28			
		12-34	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.28	.28			
		34-60	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
ShE2:													
Shelby----------	100	0-7	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		7-12	30-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	1.0-2.0	.28	.28			
		12-34	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.28	.28			
		34-60	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
ShF2:													
Shelby----------	100	0-7	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	2.2-3.2	.32	.32	5	6	48
		7-12	30-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	1.0-2.0	.28	.28			
		12-34	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.28	.28			
		34-60	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-0.5	.37	.37			
SlF:													
Shelby----------	100	0-3	24-27	1.50-1.55	0.6-2	0.20-0.22	3.0-5.9	3.0-4.0	.28	.28	5	6	48
		3-30	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.37	.37			
		30-60	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.37	.37			
SoD3:													
Shelby----------	100	0-3	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	1.2-1.7	.37	.37	4	6	48
		3-30	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.37	.37			
		30-60	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.37	.37			
SoE3:													
Shelby----------	100	0-3	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	1.2-1.7	.37	.37	4	6	48
		3-30	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.37	.37			
		30-60	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.37	.37			
SoF3:													
Shelby----------	100	0-3	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	1.2-1.7	.37	.37	4	6	48
		3-30	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.37	.37			
		30-60	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.37	.37			

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		In	Pct	g/cc	In/hr	In/in	Pct	Pct					
SoG3:													
Shelby----------	100	0-7	27-35	1.50-1.55	0.2-0.6	0.16-0.18	3.0-5.9	1.2-1.7	.37	.37	4	6	48
		7-48	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.37	.37			
		48-60	30-35	1.55-1.65	0.2-0.6	0.16-0.18	3.0-5.9	0.0-1.0	.37	.37			
SpC2:													
Sparta----------	100	0-6	3-10	1.20-1.40	2-6	0.09-0.12	0.0-2.9	0.5-1.5	.17	.17	5	2	134
		6-27	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.15	.15			
		27-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
SpD2:													
Sparta----------	100	0-6	3-10	1.20-1.40	2-6	0.09-0.12	0.0-2.9	0.5-1.5	.17	.17	5	2	134
		6-27	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.15	.15			
		27-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
SpE2:													
Sparta----------	100	0-6	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
		6-27	1-8	1.40-1.60	6-20	0.05-0.11	0.0-2.9	0.1-1.0	.15	.15			
		27-60	0-5	1.50-1.70	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
SrD3:													
Steinauer----------	100	0-7	27-32	1.30-1.60	0.2-0.6	0.17-0.19	3.0-5.9	1.2-1.7	.32	.32	5	4L	86
		7-29	27-32	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
		29-60	24-35	1.50-1.80	0.2-0.6	0.14-0.19	3.0-5.9	0.0-1.0	.32	.32			
SrE3:													
Steinauer----------	100	0-7	27-32	1.30-1.60	0.2-0.6	0.17-0.19	3.0-5.9	1.2-1.7	.32	.32	5	4L	86
		7-29	27-32	1.30-1.60	0.2-0.6	0.15-0.17	3.0-5.9	0.0-1.0	.32	.32			
		29-60	24-35	1.50-1.80	0.2-0.6	0.14-0.19	3.0-5.9	0.0-1.0	.32	.32			
Zo:													
Zook----------	100	0-15	20-26	1.30-1.35	0.6-2	0.22-0.24	3.0-5.9	2.0-4.0	.37	.37	4	6	48
		15-42	36-45	1.30-1.45	0.06-0.2	0.11-0.13	6.0-8.9	2.0-4.0	.28	.28			
		42-60	20-45	1.30-1.45	0.0000-0.6	0.11-0.22	6.0-8.9	0.0-1.0	.28	.28			

Physical Properties of the Soils

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

Crawford 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					
Zs:													
Zook----------	100	0-27	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
		27-50	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			