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.)

Palo Alto 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					
6:													
Okoboji----------	90	0-16	35-42	1.30-1.40	0.2-0.6	0.21-0.23	6.0-8.9	9.0-12	.32	.32	5	4	86
		16-32	35-42	1.30-1.40	0.2-0.6	0.18-0.20	6.0-8.9	7.0-10	.32	.32			
		32-57	35-45	1.35-1.40	0.2-0.6	0.18-0.20	6.0-8.9	3.0-4.0	.32	.32			
		57-60	20-30	1.40-1.50	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.28	.28			
34:													
Estherville----------	90	0-11	5-15	1.25-1.35	2-6	0.13-0.18	0.0-2.9	1.5-2.5	.20	.20	3	3	86
		11-24	10-18	1.35-1.60	2-6	0.12-0.19	0.0-2.9	0.0-0.5	.20	.20			
		24-60	0-8	1.50-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
34B:													
Estherville----------	95	0-11	5-15	1.25-1.35	2-6	0.13-0.18	0.0-2.9	1.5-2.5	.20	.20	3	3	86
		11-24	10-18	1.35-1.60	2-6	0.12-0.19	0.0-2.9	0.0-0.5	.20	.20			
		24-60	0-8	1.50-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
34C2:													
Estherville----------	100	0-11	5-15	1.25-1.35	2-6	0.13-0.18	0.0-2.9	1.0-2.0	.20	.20	3	3	86
		11-24	10-18	1.35-1.60	2-6	0.12-0.19	0.0-2.9	0.0-0.5	.20	.20			
		24-60	0-8	1.50-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
55:													
Nicollet----------	95	0-19	24-27	1.15-1.25	0.6-2	0.17-0.22	3.0-5.9	5.0-6.0	.24	.24	5	6	48
		19-39	24-35	1.25-1.35	0.6-2	0.15-0.19	3.0-5.9	0.5-5.0	.32	.32			
		39-60	22-32	1.35-1.55	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.32	.32			
62C:													
Storden----------	90	0-10	18-27	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.28	.28	5	4L	86
		10-60	18-30	1.35-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
62D:													
Storden----------	90	0-10	18-27	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.28	.28	5	4L	86
		10-60	18-30	1.35-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
62E:													
Storden----------	90	0-10	18-27	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.28	.28	5	4L	86
		10-60	18-30	1.35-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			

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.)

Palo Alto 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					
62F:													
Storden----------	90	0-10	18-27	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	2.5-3.5	.28	.28	5	4L	86
		10-60	18-30	1.35-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
72:													
Estherville----------	90	0-11	10-18	1.35-1.45	2-6	0.19-0.22	0.0-2.9	3.0-4.0	.28	.28	3	5	56
		11-24	10-18	1.35-1.60	2-6	0.12-0.19	0.0-2.9	0.0-0.5	.20	.20			
		24-60	0-8	1.50-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
72B:													
Estherville----------	100	0-11	10-18	1.35-1.45	2-6	0.19-0.22	0.0-2.9	3.0-4.0	.28	.28	3	5	56
		11-24	10-18	1.35-1.60	2-6	0.12-0.19	0.0-2.9	0.0-0.5	.20	.20			
		24-60	0-8	1.50-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
73C:													
Salida----------	95	0-7	5-15	1.35-1.45	2-6	0.10-0.12	0.0-2.9	1.5-2.5	.10	.20	5	8	0
		7-13	2-8	1.50-1.65	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.10	.17			
		13-60	0-5	1.50-1.65	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.10	.17			
90:													
Okoboji----------	95	0-16	20-30	1.20-1.25	0.6-2	0.22-0.25	3.0-5.9	12-18	.32	.32	5	6	48
		16-32	35-42	1.30-1.40	0.2-0.6	0.18-0.20	6.0-8.9	7.0-10	.32	.32			
		32-57	35-45	1.35-1.40	0.2-0.6	0.18-0.20	6.0-8.9	3.0-4.0	.32	.32			
		57-60	20-30	1.40-1.50	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.28	.28			
95:													
Harps----------	95	0-15	25-27	1.35-1.40	0.6-2	0.19-0.21	3.0-5.9	4.5-5.5	.24	.24	5	4L	86
		15-29	18-32	1.40-1.50	0.6-2	0.17-0.19	3.0-5.9	2.0-3.0	.32	.32			
		29-60	20-30	1.50-1.70	0.6-2	0.17-0.19	3.0-5.9	0.0-1.0	.32	.32			
107:													
Webster----------	95	0-17	27-35	1.35-1.40	0.6-2	0.19-0.21	3.0-5.9	6.0-7.0	.28	.28	5	7	38
		17-48	25-35	1.40-1.50	0.6-2	0.16-0.18	3.0-5.9	2.0-4.0	.32	.32			
		48-60	18-29	1.50-1.70	0.6-2	0.17-0.19	3.0-5.9	1.0-2.0	.32	.32			

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.)

Palo Alto 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					
133:													
Colo----------	100	0-33	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
		33-50	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			
133B:													
Colo----------	95	0-33	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
		33-50	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			
138B:													
Clarion----------	85	0-14	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-5.0	.24	.24	5	6	48
		14-27	24-30	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.37	.37			
		27-60	12-22	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
138C:													
Clarion----------	100	0-14	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-5.0	.24	.24	5	6	48
		14-27	24-30	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.37	.37			
		27-60	12-22	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
138C2:													
Clarion----------	90	0-7	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.28	.28	5	6	48
		7-14	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.32	.32			
		14-27	24-30	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.37	.37			
		27-60	12-22	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
138D2:													
Clarion----------	90	0-7	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.28	.28	5	6	48
		7-14	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.32	.32			
		14-27	24-30	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.37	.37			
		27-60	12-22	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
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
		18-30	1-10	1.50-1.70	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			

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.)

Palo Alto 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					
150:													
Hanska----------	95	0-13	6-18	1.30-1.40	2-6	0.20-0.22	0.0-2.9	3.9-5.5	.28	.28	4	5	56
		13-25	6-18	1.35-1.50	2-6	0.10-0.13	0.0-2.9	2.0-3.9	.28	.28			
		25-60	2-10	1.50-1.60	6-20	0.08-0.10	0.0-2.9	0.0-1.0	.17	.17			
172:													
Wabash----------	100	0-25	40-46	1.25-1.45	0.0000-0.06	0.12-0.14	9.0-25.0	4.0-5.0	.28	.28	5	4	86
		25-60	40-60	1.20-1.45	0.0000-0.06	0.08-0.12	9.0-25.0	1.0-2.0	.28	.28			
181B:													
Clarion----------	50	0-14	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.0-4.0	.24	.24	5	6	48
		14-27	24-30	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.37	.37			
		27-60	12-22	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
181C2:													
Clarion----------	50	0-7	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.2-3.2	.28	.28	5	6	48
		7-14	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	1.0-2.0	.32	.32			
		14-27	24-30	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.37	.37			
		27-60	12-22	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
203:													
Cylinder----------	95	0-12	22-27	1.40-1.45	0.6-2	0.20-0.22	3.0-5.9	4.0-5.0	.24	.24	4	6	48
		12-37	22-30	1.45-1.60	0.6-2	0.17-0.19	3.0-5.9	2.0-3.0	.32	.32			
		37-60	2-12	1.60-1.70	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.10	.15			
221:													
Palms----------	100	0-24	---	0.25-0.45	0.1-6	0.35-0.45	---	20-50	.28	.28	5	2	134
		24-30	---	0.15-0.30	0.1-6	0.35-0.45	---	20-50	.28	.28			
		30-60	7-35	1.45-1.75	0.1-2	0.14-0.22	0.0-2.9	0.0-10	.37	.37			
224:													
Linder----------	95	0-13	14-18	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	4	5	56
		13-24	10-18	1.45-1.55	2-6	0.15-0.17	0.0-2.9	0.0-0.5	.24	.24			
		24-60	2-8	1.55-1.75	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.10	.20			

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.)

Palo Alto 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					
253C:													
Farrar----------	95	0-14	10-18	1.45-1.50	2-6	0.16-0.18	0.0-2.9	1.5-2.5	.20	.20	5	3	86
		14-22	10-16	1.50-1.60	2-6	0.15-0.17	0.0-2.9	0.5-1.0	.20	.20			
		22-60	18-24	1.60-1.80	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
259:													
Biscay----------	95	0-24	18-30	1.20-1.30	0.6-2	0.20-0.22	3.0-5.9	5.5-6.5	.28	.28	4	6	48
		24-36	18-30	1.25-1.35	0.6-2	0.17-0.19	3.0-5.9	0.5-1.0	.28	.28			
		36-39	10-28	1.35-1.55	2-6	0.11-0.17	0.0-2.9	0.5-1.0	.28	.32			
		39-60	1-6	1.55-1.65	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.05	.10			
274:													
Rolfe----------	95	0-10	22-27	1.35-1.40	0.6-2	0.22-0.24	0.0-2.9	3.4-4.4	.37	.37	5	6	48
		10-34	38-45	1.40-1.50	0.06-0.2	0.11-0.13	6.0-8.9	1.0-2.0	.28	.28			
		34-60	24-35	1.50-1.60	0.1-2	0.14-0.16	3.0-5.9	0.0-1.0	.28	.28			
308:													
Wadena----------	100	0-17	18-27	1.30-1.50	0.6-2	0.20-0.22	0.0-2.9	3.5-4.5	.24	.24	4	6	48
		17-37	18-30	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.5-1.0	.32	.32			
		37-60	1-5	1.55-1.65	20-101	0.02-0.04	0.0-2.9	0.0-0.5	.10	.10			
324:													
Dickman----------	100	0-15	10-18	1.45-1.55	2-6	0.10-0.12	0.0-2.9	2.0-3.0	.24	.24	4	3	86
		15-30	10-18	1.50-1.60	2-6	0.07-0.09	0.0-2.9	0.0-0.5	.24	.24			
		30-46	2-8	1.50-1.60	6-20	0.01-0.03	0.0-2.9	0.0-0.5	.10	.15			
		46-60	20-32	1.40-1.50	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
324B:													
Dickman----------	100	0-16	10-18	1.45-1.55	2-6	0.10-0.12	0.0-2.9	1.5-2.5	.24	.24	4	3	86
		16-30	10-18	1.50-1.60	2-6	0.07-0.09	0.0-2.9	0.0-0.5	.24	.24			
		30-46	2-8	1.50-1.60	6-20	0.01-0.03	0.0-2.9	0.0-0.5	.10	.15			
		46-60	20-32	1.40-1.50	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
339:													
Truman----------	100	0-24	18-27	1.25-1.35	0.6-2	0.20-0.23	0.0-2.9	3.5-4.5	.32	.32	5	6	48
		24-54	18-32	1.30-1.45	0.6-2	0.18-0.21	0.0-2.9	0.5-3.5	.43	.43			
		54-60	18-32	1.35-1.45	0.6-2	0.18-0.20	0.0-2.9	0.0-0.5	.43	.43			

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.)

Palo Alto 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					
339B:													
Truman----------	90	0-24	18-27	1.25-1.35	0.6-2	0.20-0.23	0.0-2.9	3.0-4.0	.32	.32	5	6	48
		24-54	18-32	1.30-1.45	0.6-2	0.18-0.21	0.0-2.9	0.5-3.0	.43	.43			
		54-60	18-32	1.35-1.45	0.6-2	0.18-0.20	0.0-2.9	0.0-0.5	.43	.43			
354:													
Marsh----------	95	---	---	---	---	---	---	---	---	---	-	---	---
390:													
Waldorf----------	95	0-24	35-40	1.20-1.30	0.1-2	0.18-0.25	6.0-8.9	6.0-7.0	.28	.28	5	4	86
		24-45	40-55	1.25-1.35	0.0000-0.6	0.13-0.16	6.0-8.9	0.5-1.0	.32	.32			
		45-60	24-45	1.25-1.45	0.0000-2	0.20-0.22	3.0-5.9	0.0-0.5	.32	.32			
485:													
Spillville----------	95	0-34	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
		34-60	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	0-34	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
		34-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
506:													
Wacousta----------	90	0-13	27-35	1.20-1.25	0.6-2	0.21-0.23	6.0-8.9	8.0-10	.28	.28	5	7	38
		13-48	24-35	1.25-1.30	0.6-2	0.18-0.20	6.0-8.9	2.0-4.0	.28	.28			
		48-60	18-30	1.30-1.40	0.6-2	0.20-0.22	3.0-5.9	0.0-1.0	.43	.43			
507:													
Canisteo----------	95	0-16	27-35	1.25-1.35	0.6-2	0.18-0.22	3.0-5.9	6.0-7.0	.24	.24	5	4L	86
		16-35	20-35	1.35-1.50	0.6-2	0.15-0.19	3.0-5.9	2.0-4.0	.32	.32			
		35-44	10-35	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.5-1.0	.32	.32			
		44-60	22-32	1.45-1.60	0.6-2	0.14-0.16	0.0-2.9	0.0-0.5	.32	.32			
511:													
Blue Earth----------	95	0-14	18-32	0.20-0.80	0.6-2	0.18-0.24	3.0-5.9	15-25	.28	.28	5	4L	48
		14-48	18-32	0.20-0.80	0.6-2	0.18-0.24	0.0-2.9	10-25	.28	.28			
		48-60	18-32	1.30-1.60	0.1-2	0.14-0.16	3.0-5.9	0.0-0.5	.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.)

Palo Alto 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					
559:													
Talcot	90	0-18	30-35	1.20-1.30	0.6-2	0.18-0.22	3.0-5.9	5.5-6.5	.28	.28	4	4L	86
		18-39	30-35	1.25-1.35	0.6-2	0.17-0.20	3.0-5.9	2.0-6.0	.28	.28			
		39-60	1-6	1.55-1.65	6-20	0.02-0.04	0.0-2.9	0.5-1.0	.15	.15			
585B:													
Colo	75	0-33	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
		33-50	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			
638B:													
Clarion	50	0-14	18-24	1.40-1.45	0.6-2	0.20-0.22	0.0-2.9	2.4-5.0	.24	.24	5	6	48
		14-27	24-30	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.5-1.0	.37	.37			
		27-60	12-22	1.50-1.70	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
639C:													
Storden	50	0-10	18-27	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	1.5-3.5	.28	.28	5	4L	86
		10-60	18-30	1.35-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
639D:													
Storden	50	0-10	18-27	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	1.5-3.5	.28	.28	5	4L	86
		10-60	18-30	1.35-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
639E:													
Storden	50	0-10	18-27	1.35-1.45	0.6-2	0.20-0.22	0.0-2.9	1.5-3.5	.28	.28	5	4L	86
		10-60	18-30	1.35-1.65	0.6-2	0.17-0.19	0.0-2.9	0.0-0.5	.37	.37			
655:													
Crippin	95	0-16	22-27	1.35-1.40	0.6-2	0.20-0.22	0.0-2.9	5.0-6.0	.24	.24	5	4L	86
		16-35	24-30	1.40-1.55	0.6-2	0.17-0.19	0.0-2.9	3.0-4.0	.28	.28			
		35-60	22-28	1.55-1.75	0.6-2	0.17-0.19	0.0-2.9	1.0-2.0	.37	.37			
658:													
Mayer	90	0-16	18-30	1.25-1.35	0.6-2	0.20-0.22	0.0-2.9	4.0-6.0	.24	.24	4	4L	86
		16-30	18-30	1.25-1.35	0.6-2	0.16-0.19	0.0-2.9	2.0-6.0	.28	.28			
		30-60	1-5	1.55-1.65	6-20	0.02-0.04	0.0-2.9	1.0-4.0	.15	.15			

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.)

Palo Alto 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					
733:													
Calco----------	100	0-28	28-33	1.25-1.30	0.6-2	0.21-0.23	6.0-8.9	5.0-7.0	.28	.28	5	4L	86
		28-43	30-35	1.25-1.30	0.6-2	0.21-0.23	6.0-8.9	3.0-5.0	.28	.28			
		43-60	22-32	1.30-1.45	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.32	.32			
823:													
Flagler Variant-------	100	0-13	10-18	1.50-1.55	2-6	0.10-0.12	0.0-2.9	2.0-3.0	.20	.20	4	3	86
		13-39	10-18	1.55-1.60	2-6	0.07-0.09	0.0-2.9	0.0-1.0	.24	.24			
		39-60	2-8	1.60-1.75	20-101	0.01-0.03	0.0-2.9	0.0-0.5	.10	.15			
823B:													
Flagler Variant-------	100	0-13	10-18	1.50-1.55	2-6	0.10-0.12	0.0-2.9	1.5-2.5	.20	.20	4	3	86
		13-39	10-18	1.55-1.60	2-6	0.07-0.09	0.0-2.9	0.0-1.0	.24	.24			
		39-60	2-8	1.60-1.75	20-101	0.01-0.03	0.0-2.9	0.0-0.5	.10	.15			
895:													
Mayer----------	90	0-16	6-18	1.30-1.40	2-6	0.20-0.22	0.0-2.9	3.9-5.5	.24	.24	4	4L	86
		16-30	6-18	1.35-1.50	2-6	0.10-0.13	0.0-2.9	2.0-6.0	.28	.28			
		30-60	1-10	1.50-1.70	6-20	0.05-0.07	0.0-2.9	1.0-4.0	.15	.15			
C485:													
Spillville----------	90	0-34	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
		34-60	14-24	1.55-1.70	0.6-6	0.15-0.18	0.0-2.9	2.0-3.0	.28	.28			
T6:													
Okoboji----------	90	0-16	35-42	1.30-1.40	0.2-0.6	0.21-0.23	6.0-8.9	9.0-12	.32	.32	5	4	86
		16-30	35-42	1.30-1.40	0.2-0.6	0.18-0.20	6.0-8.9	7.0-10	.32	.32			
		30-46	35-45	1.35-1.40	0.2-0.6	0.18-0.20	6.0-8.9	3.0-4.0	.32	.32			
		46-60	20-30	1.40-1.50	0.6-2	0.18-0.20	3.0-5.9	1.0-3.0	.28	.28			
W:													
Water----------	100	---	---	---	---	---	---	---	---	---	-	---	---