Chemical Properties of the Soils

(Absence of an entry indicates that the data were not estimated.)

Grundy County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
7:					
WIOTA	0-22	5.6-7.3	3.5-4.5	20-25	0
	22-48	5.1-6.5	2.0-3.0	20-25	0
	48-64	6.1-6.5	0.0-1.0	20-25	0
41B:					
SPARTA	0-15	5.6-7.3	1.0-2.0	10-15	0
	15-34	5.1-7.3	0.1-1.0	1.0-6.0	0
	34-60	5.1-7.8	0.0-0.5	1.0-4.0	0
43:					
BREMER	0-19	5.6-7.3	5.0-7.0	36-41	0
	19-42	5.6-6.5	1.0-2.0	36-41	0
	42-60	5.6-6.5	0.5-1.0	30-36	0
54:					
ZOOK	0-20	5.6-7.3	5.0-7.0	36-41	0
	20-52	5.6-7.8	2.0-4.0	36-41	0
	52-60	5.6-7.8	0.0-1.0	30-36	0
83B:					
KENYON	0-14	5.6-7.3	3.0-4.0	20-25	0
	14-54	5.1-7.3	0.5-1.0	20-25	0
	54-76	6.6-8.4	0.0-0.5	20-25	0-25
83C:					
KENYON	0-14	5.6-7.3	3.0-4.0	20-25	0
	14-54	5.1-7.3	0.5-1.0	20-25	0
	54-76	6.6-8.4	0.0-0.5	20-25	0-25
83C2:					
KENYON	0-7	5.6-7.3	2.2-3.2	20-25	0
	7-54	5.1-7.3	0.0-1.0	20-25	0
	54-76	6.6-8.4	0.0-0.5	20-25	0-25
83D2:					
KENYON	0-7	5.6-7.3	2.2-3.2	20-25	0
	7-54	5.1-7.3	0.0-1.0	20-25	0
	54-76	6.6-8.4	0.0-0.5	20-25	0-25
84:					
CLYDE	0-23	6.6-7.3	6.0-9.0	36-41	0
	23-41	6.1-7.3	2.0-3.0	30-36	0
	41-44	6.1-7.3	0.0-1.0	15-20	0
	44-60	6.6-8.4	0.0-0.5	20-25	0-25
88:					
NEVIN	0-24	5.6-7.3	4.0-6.0	30-36	0
	24-52	6.1-6.5	1.0-2.0	30-36	0
	52-62	6.6-7.3	0.0-0.5	25-30	0
96:					
TURLIN	0-34	6.1-7.3	4.5-5.5	20-25	0
	34-41	5.6-7.3	2.0-3.0	20-25	0
	41-60	6.1-7.3	0.0-1.0	10-15	0

Chemical Properties of the Soils

(Absence of an entry indicates that the data were not estimated.)

Grundy County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
118:					
GARWIN----------	0-18	5.6-7.3	6.0-7.0	36-41	0
	18-42	6.1-7.3	1.0-2.0	36-41	0
	42-75	6.6-7.8	0.0-0.5	30-36	0-15
119:					
MUSCATINE-------	0-16	5.1-7.3	5.0-6.0	30-36	0
	16-42	5.1-7.3	1.0-2.0	30-36	0
	42-64	6.6-7.8	0.5-1.0	30-36	0-15
119B:					
MUSCATINE-------	0-16	5.1-7.3	5.0-6.0	30-36	0
	16-42	5.1-7.3	1.0-2.0	30-36	0
	42-64	6.6-7.8	0.5-1.0	30-36	0-15
120:					
TAMA----------	0-14	5.1-7.3	3.5-4.5	25-30	0
	14-45	5.1-6.5	1.0-2.0	25-30	0
	45-60	5.6-7.3	0.0-0.5	25-30	0
120B:					
TAMA----------	0-14	5.1-7.3	3.0-4.0	25-30	0
	14-45	5.1-6.5	1.0-2.0	25-30	0
	45-60	5.6-7.3	0.0-0.5	25-30	0
120C:					
TAMA----------	0-14	5.1-7.3	3.0-4.0	25-30	0
	14-45	5.1-6.5	1.0-2.0	25-30	0
	45-60	5.6-7.3	0.0-0.5	25-30	0
120C2:					
TAMA----------	0-8	5.1-7.3	2.2-3.2	25-30	0
	8-14	5.1-7.3	1.0-2.0	25-30	0
	14-45	5.1-6.5	0.5-1.0	25-30	0
	45-60	5.6-7.3	0.0-0.5	25-30	0
122:					
SPERRY----------	0-10	5.6-7.3	3.0-4.0	25-30	0
	10-18	5.6-7.3	0.5-1.0	20-25	0
	18-35	5.1-6.5	0.5-2.0	30-36	0
	35-60	5.6-6.5	0.0-1.0	25-30	0
133:					
COLO----------	0-14	5.6-7.3	5.0-7.0	36-41	0
	14-46	5.6-7.3	3.0-4.0	36-41	0
	46-60	6.1-7.3	1.0-2.0	30-36	0
135:					
COLAND----------	0-8	6.1-7.3	5.0-7.0	30-36	0
	8-40	6.1-7.3	3.0-5.0	30-36	0
	40-60	6.1-7.8	0.0-2.0	20-30	0-20
152:					
MARSHAN---------	0-14	5.6-7.3	5.0-6.0	30-36	---

Chemical Properties of the Soils

(Absence of an entry indicates that the data were not estimated.)

Grundy County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	14-23	5.6-7.3	1.0-3.0	30-36	---
	23-30	5.6-7.3	0.0-0.5	20-25	---
	30-60	6.1-7.3	0.0-0.5	5.0-10	---
174B:					
BOLAN----------	0-14	5.6-7.3	2.5-3.5	15-20	0
	14-27	5.6-6.5	1.0-2.0	10-15	0
	27-37	5.6-7.3	0.0-1.0	10-15	0
	37-60	5.6-7.3	0.0-0.5	5.0-10	0
175B:					
DICKINSON-------	0-9	5.6-7.3	1.5-2.5	15-20	---
	9-18	5.6-7.3	1.0-1.0	15-20	---
	18-30	5.1-6.5	0.5-1.0	15-20	---
	30-36	5.1-6.5	0.0-0.5	5.0-10	---
	36-60	5.6-6.5	0.0-0.5	5.0-10	---
175C:					
DICKINSON-------	0-9	5.6-7.3	1.5-2.5	15-20	---
	9-18	5.6-7.3	1.0-1.0	15-20	---
	18-30	5.1-6.5	0.5-1.0	15-20	---
	30-36	5.1-6.5	0.0-0.5	5.0-10	---
	36-60	5.6-6.5	0.0-0.5	5.0-10	---
177:					
SAUDE----------	0-13	5.6-7.3	3.5-4.5	20-25	0
	13-28	5.1-6.0	1.0-2.0	15-20	0
	28-60	5.1-6.5	0.0-0.5	5.0-10	0
177B:					
SAUDE----------	0-13	5.6-7.3	3.0-4.0	20-25	0
	13-28	5.1-6.0	1.0-2.0	15-20	0
	28-60	5.1-6.5	0.0-0.5	5.0-10	0
177C:					
SAUDE----------	0-13	5.6-7.3	3.0-4.0	20-25	0
	13-28	5.1-6.0	1.0-2.0	15-20	0
	28-60	5.1-6.5	0.0-0.5	5.0-10	0
177C2:					
SAUDE----------	0-8	5.6-7.3	2.2-3.2	20-25	0
	8-28	5.1-6.0	0.5-1.0	15-20	0
	28-60	5.1-6.5	0.0-0.5	5.0-10	0
178:					
WAUKEE----------	0-16	5.6-7.3	3.5-4.5	20-25	0
	16-35	5.1-6.0	1.0-2.0	20-25	0
	35-66	5.6-6.5	0.0-1.0	5.0-10	0
178B:					
WAUKEE----------	0-16	5.6-7.3	3.0-4.0	20-25	0
	16-35	5.1-6.0	1.0-2.0	20-25	0
	35-66	5.6-6.5	0.0-1.0	5.0-10	0

Chemical Properties of the Soils

(Absence of an entry indicates that the data were not estimated.)

Grundy County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
184:					
KLINGER---------	0-19	5.1-7.3	5.0-6.0	30-36	0
	19-31	5.1-6.5	0.5-1.0	25-30	0
	31-64	5.1-7.8	0.0-0.5	15-20	0-15
184B:					
KLINGER---------	0-19	5.1-7.3	4.5-5.5	30-36	0
	19-31	5.1-6.5	0.5-1.0	25-30	0
	31-64	5.1-7.8	0.0-0.5	15-20	0-15
198B:					
FLOYD----------	0-24	6.1-7.3	5.0-6.0	25-30	---
	24-33	6.1-7.3	1.0-2.0	25-30	---
	33-41	6.6-7.3	0.0-1.0	5.0-10	---
	41-60	6.6-8.4	0.0-0.5	25-30	0-25
221:					
PALMS----------	0-35	5.1-7.4	50-100	0.0-70	0
	35-60	6.1-8.4	0.0-5.0	2.0-15	0-30
225:					
LAWLER----------	0-21	5.6-7.3	4.0-5.0	20-25	0
	21-37	5.1-6.5	1.0-2.0	15-20	0
	37-60	5.1-7.3	0.0-0.5	5.0-10	0
226:					
LAWLER----------	0-21	5.6-7.3	4.0-5.0	20-25	0
	21-37	5.1-6.5	1.0-2.0	15-20	0
	37-60	5.1-7.3	0.0-0.5	5.0-10	0
241B:					
SAUDE----------	0-13	5.1-7.3	2.2-3.2	15-25	0
	13-28	5.1-6.0	1.0-2.0	15-20	0
	28-60	5.1-6.5	0.0-0.5	5.0-10	0
LILAH----------	0-6	5.1-7.3	2.2-3.2	15-25	0
	6-15	4.5-6.0	0.0-0.5	10-15	0
	15-39	4.5-6.0	0.0-0.5	5.0-10	0
	39-60	4.5-6.0	0.0-0.5	5.0-10	0
241C2:					
SAUDE----------	0-8	5.1-7.3	1.0-3.0	15-25	0
	8-28	5.1-6.0	0.5-1.0	15-20	0
	28-60	5.1-6.5	0.0-0.5	5.0-10	0
LILAH----------	0-6	5.1-7.3	1.0-3.0	15-25	0
	6-15	4.5-6.0	0.0-0.5	10-15	0
	15-39	4.5-6.0	0.0-0.5	5.0-10	0
	39-60	4.5-6.0	0.0-0.5	5.0-10	0
377B:					
DINSDALE--------	0-15	5.1-7.3	3.0-4.0	25-30	0
	15-36	5.1-7.3	1.0-2.0	25-30	0
	36-73	5.6-8.4	0.0-0.5	25-30	0-25

Chemical Properties of the Soils

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Grundy County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
377C:					
DINSDALE--------	0-15	5.1-7.3	3.0-4.0	25-30	0
	15-36	5.1-7.3	1.0-2.0	25-30	0
	36-73	5.6-8.4	0.0-0.5	25-30	0-25
377C2:					
DINSDALE--------	0-8	5.1-7.3	2.2-3.2	25-30	0
	8-36	5.1-7.3	0.5-1.0	25-30	0
	36-73	5.6-8.4	0.0-0.5	25-30	0-25
377D2:					
DINSDALE--------	0-8	5.1-7.3	2.2-3.2	25-30	0
	8-36	5.1-7.3	0.5-1.0	25-30	0
	36-73	5.6-8.4	0.0-0.5	25-30	0-25
382:					
MAXFIELD--------	0-17	6.6-7.3	6.0-8.0	36-41	0
	17-32	6.1-7.3	0.0-1.0	30-36	0
	32-66	6.1-7.8	0.0-1.0	25-30	10-20
391B:					
CLYDE----------	0-23	6.1-7.3	5.0-9.0	25-41	0
	23-41	6.1-7.3	2.0-3.0	30-36	0
	41-44	6.1-7.3	0.0-1.0	15-20	0
	44-60	6.6-8.4	0.0-0.5	20-25	0-25
FLOYD----------	0-24	6.1-7.3	5.0-9.0	25-41	---
	24-33	6.1-7.3	1.0-2.0	25-30	---
	33-41	6.6-7.3	0.0-1.0	5.0-10	---
	41-60	6.6-8.4	0.0-0.5	25-30	0-25
394B:					
OSTRANDER-------	0-16	5.6-7.3	3.0-4.0	20-25	---
	16-20	5.1-7.3	1.0-2.0	20-25	---
	20-50	5.1-7.3	0.0-1.0	20-25	---
	50-60	6.6-7.8	0.0-0.5	20-25	---
394C:					
OSTRANDER-------	0-16	5.6-7.3	3.0-4.0	20-25	---
	16-20	5.1-7.3	1.0-2.0	20-25	---
	20-50	5.1-7.3	0.0-1.0	20-25	---
	50-60	6.6-7.8	0.0-0.5	20-25	---
394C2:					
OSTRANDER-------	0-16	5.6-7.3	2.2-3.2	20-25	---
	16-20	5.1-7.3	1.0-2.0	20-25	---
	20-50	5.1-7.3	0.0-1.0	20-25	---
	50-60	6.6-7.8	0.0-0.5	20-25	---
399:					
READLYN---------	0-17	5.1-7.3	4.5-5.5	25-30	---
	17-43	5.1-6.5	2.0-4.0	25-30	---
	43-60	6.6-8.4	0.0-1.0	25-30	---

Chemical Properties of the Soils

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Grundy County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
404:					
THORP----------	0-14	5.1-7.3	4.0-6.0	25-30	0
	14-19	5.1-7.3	0.2-1.0	11-17	0
	19-43	5.1-7.3	0.2-0.5	13-22	0
	43-50	5.6-7.8	0.2-0.5	12-19	0-5
	50-65	6.1-8.4	0.2-0.5	3.0-13	0-20
428B:					
ELY----------	0-24	5.6-7.3	5.0-6.0	30-36	0
	24-47	6.1-7.3	1.0-3.0	30-36	0
	47-60	6.6-8.4	0.5-1.0	25-30	0-25
484:					
LAWSON----------	0-12	6.1-7.3	4.4-6.0	25-30	0
	12-30	6.1-7.8	3.0-7.0	11-29	0
	30-60	6.1-7.8	1.0-4.0	11-23	0
595:					
HARPSTER--------	0-18	7.4-8.4	4.5-5.5	36-41	10-40
	18-36	7.4-8.4	0.5-1.0	17-23	5-40
	36-41	7.4-8.4	0.0-0.5	13-22	5-40
	41-60	7.4-8.4	0.0-0.1	9.0-18	10-40
620C2:					
PORT BYRON------	0-13	5.6-7.3	2.2-3.2	25-30	---
	13-52	5.6-7.3	0.5-1.0	25-30	---
	52-60	5.6-8.4	0.0-0.5	25-30	---
620E3:					
PORT BYRON------	0-13	5.6-7.3	1.2-2.2	25-30	---
	13-52	5.6-7.3	0.5-1.0	25-30	---
	52-60	5.6-8.4	0.0-0.5	25-30	---
733:					
CALCO----------	0-16	7.6-8.4	5.0-7.0	36-41	5-30
	16-44	7.4-8.4	3.0-5.0	36-41	5-30
	44-60	7.4-8.4	1.0-3.0	36-41	5-30
776C2:					
LILAH----------	0-6	5.1-7.3	0.5-1.5	10-15	0
	6-15	4.5-6.0	0.0-0.5	10-15	0
	15-39	4.5-6.0	0.0-0.5	5.0-10	0
	39-60	4.5-6.0	0.0-0.5	5.0-10	0
782B:					
DONNAN----------	0-18	5.1-7.3	2.5-3.5	20-25	---
	18-24	5.1-5.5	0.0-1.0	20-25	---
	24-48	5.1-6.5	0.0-0.5	30-36	---
	48-60	5.1-6.5	0.0-0.5	20-25	---
933:					
SAWMILL---------	0-17	6.1-7.8	5.0-6.0	36-41	0
	17-32	6.1-7.8	1.0-3.0	17-27	0
	32-58	6.1-7.8	0.0-2.0	16-25	0-10
	58-65	6.1-8.4	0.0-1.0	11-22	0-30

Chemical Properties of the Soils

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Grundy County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
933B:					
SAWMILL---------	0-17	5.6-7.8	5.0-7.0	36-41	0
	17-32	6.1-7.8	1.0-3.0	17-27	0
	32-58	6.1-7.8	0.0-2.0	16-25	0-10
	58-65	6.1-8.4	0.0-1.0	11-22	0-30
GARWIN----------	0-18	5.6-7.8	5.0-7.0	36-41	0
	18-42	6.1-7.3	1.0-2.0	36-41	0
	42-75	6.6-7.8	0.0-0.5	30-36	0-15
C133:					
COLO----------	0-14	5.6-7.3	5.0-7.0	36-41	0
	14-46	5.6-7.3	3.0-4.0	36-41	0
	46-60	6.1-7.3	1.0-2.0	30-36	0
T119:					
MUSCATINE-------	0-16	5.1-7.3	5.0-6.0	30-36	0
	16-42	5.1-7.3	1.0-2.0	30-36	0
	42-64	6.6-7.8	0.5-1.0	30-36	0-15
T120:					
TAMA----------	0-14	5.1-7.3	3.5-4.5	25-30	0
	14-45	5.1-6.5	1.0-2.0	25-30	0
	45-60	5.6-7.3	0.0-0.5	25-30	0