Chemical Properties of the Soils

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

Ida county, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
1B:					
Ida----------	0-6	6.6-8.4	2.5-3.5	20-25	0-25
	6-60	7.4-8.4	0.0-0.5	20-25	5-30
1C:					
Ida----------	0-6	6.6-8.4	2.5-3.5	20-25	0-25
	6-60	7.4-8.4	0.0-0.5	20-25	5-30
1C3:					
Ida----------	0-6	6.6-8.4	0.7-1.7	20-25	0-25
	6-60	7.4-8.4	0.0-0.5	20-25	5-30
1D:					
Ida----------	0-6	6.6-8.4	2.5-3.5	20-25	0-25
	6-60	7.4-8.4	0.0-0.5	20-25	5-30
1D3:					
Ida----------	0-6	6.6-8.4	0.7-1.7	20-25	0-25
	6-60	7.4-8.4	0.0-0.5	20-25	5-30
1E:					
Ida----------	0-6	6.6-8.4	2.5-3.5	20-25	0-25
	6-60	7.4-8.4	0.0-0.5	20-25	5-30
1E3:					
Ida----------	0-6	6.6-8.4	0.7-1.7	20-25	0-25
	6-60	7.4-8.4	0.0-0.5	20-25	5-30
1F3:					
Ida----------	0-6	6.6-8.4	0.7-1.7	20-25	0-25
	6-60	7.4-8.4	0.0-0.5	20-25	5-30
8B:					
Judson----------	0-32	5.6-7.3	3.0-4.0	25-30	0
	32-38	5.6-7.3	2.0-3.0	25-30	0
	38-60	6.1-7.8	0.0-1.0	25-30	0-15
8C:					
Judson----------	0-32	5.6-7.3	3.0-4.0	25-30	0
	32-38	5.6-7.3	2.0-3.0	25-30	0
	38-60	6.1-7.8	0.0-1.0	25-30	0-15
9B:					
Marshall--------	0-10	5.6-7.3	3.0-4.0	25-30	0
	10-38	5.6-7.3	0.0-1.0	25-30	0
	38-60	6.6-7.3	0.0-0.5	20-25	0
9B2:					
Marshall--------	0-6	5.6-7.3	2.2-3.2	25-30	0
	6-10	5.6-7.3	1.0-1.0	25-30	0
	10-48	5.6-7.3	0.0-1.0	25-30	0
	48-60	6.6-7.3	0.0-0.5	20-25	0
9C:					
Marshall--------	0-10	5.6-7.3	3.0-4.0	25-30	0

Chemical Properties of the Soils

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

Ida county, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	10-38	5.6-7.3	0.0-1.0	25-30	0
	38-60	6.6-7.3	0.0-0.5	20-25	0
9C2:					
Marshall--------	0-6	5.6-7.3	2.2-3.2	25-30	0
	6-10	5.6-7.3	1.0-1.0	25-30	0
	10-48	5.6-7.3	0.0-1.0	25-30	0
	48-60	6.6-7.3	0.0-0.5	20-25	0
9D:					
Marshall--------	0-8	5.6-7.3	3.0-4.0	25-30	0
	8-38	5.6-7.3	0.0-1.0	25-30	0
	38-60	6.6-7.3	0.0-0.5	20-25	0
9D2:					
Marshall--------	0-6	5.6-7.3	2.2-3.2	25-30	0
	6-10	5.6-7.3	1.0-1.0	25-30	0
	10-48	5.6-7.3	0.0-1.0	25-30	0
	48-60	6.6-7.3	0.0-0.5	20-25	0
11B:					
Colo----------	0-36	5.6-7.3	3.0-7.0	36-41	0
	36-52	5.6-7.3	3.0-4.0	36-41	0
	52-60	6.1-7.3	1.0-2.0	30-36	0
Judson----------	0-32	5.6-7.3	3.0-7.0	25-30	0
	32-38	5.6-7.3	2.0-3.0	25-30	0
	38-60	6.1-7.8	0.0-1.0	25-30	0-15
22D3:					
Dow----------	0-5	6.6-8.4	0.7-1.7	20-25	0-25
	5-60	7.9-8.4	0.0-0.5	20-25	15-30
26:					
Kennebec--------	0-36	5.6-7.3	4.0-6.0	30-36	0
	36-60	6.1-7.3	1.0-2.0	30-36	0
26B:					
Kennebec--------	0-36	5.6-7.3	4.0-6.0	30-36	0
	36-60	6.1-7.3	1.0-2.0	30-36	0
27B:					
Terril----------	0-30	6.1-7.3	3.0-4.0	20-25	0
	30-42	6.1-7.3	2.0-3.0	20-25	0
	42-60	6.1-7.8	0.0-1.0	15-25	0-15
27C:					
Terril----------	0-30	6.1-7.3	3.0-4.0	20-25	0
	30-42	6.1-7.3	2.0-3.0	20-25	0
	42-60	6.1-7.8	0.0-1.0	15-25	0-15
28C2:					
Dickman---------	0-7	6.1-7.3	1.0-2.0	15-20	0
	7-37	5.6-7.3	0.5-1.0	15-20	0
	37-60	5.1-7.8	0.0-0.5	1.0-4.0	0

Chemical Properties of the Soils

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Ida county, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
28D2:					
Dickman---------	0-7	6.1-7.3	1.0-2.0	15-20	0
	7-37	5.6-7.3	0.5-1.0	15-20	0
	37-60	5.1-7.8	0.0-0.5	1.0-4.0	0
31:					
Afton----------	0-27	6.1-7.4	6.0-7.0	30-36	0-10
	27-42	7.4-8.4	1.0-2.0	30-36	5-30
	42-60	7.4-8.4	0.0-0.5	30-36	5-30
35E2:					
Steinauer-------	0-5	7.4-8.4	2.2-3.2	25-30	1-10
	5-40	7.9-8.4	0.5-2.2	25-30	1-15
	40-60	7.9-8.4	0.0-0.5	15-25	1-15
Burchard--------	0-7	5.6-7.3	2.2-3.2	15-30	0
	7-24	6.1-8.4	1.0-2.0	15-30	0-10
	24-60	7.4-8.4	0.5-1.0	15-25	1-15
35G:					
Steinauer-------	0-5	7.4-8.4	3.0-4.0	25-30	1-10
	5-40	7.9-8.4	0.5-3.0	25-30	1-15
	40-60	7.9-8.4	0.0-0.5	15-25	1-15
Burchard--------	0-11	5.6-7.3	3.0-4.0	15-30	0
	11-24	6.1-8.4	1.0-2.0	15-30	0-10
	24-60	7.4-8.4	0.5-1.0	15-25	1-15
54:					
Zook----------	0-20	5.6-7.3	5.0-7.0	36-41	0
	20-40	5.6-7.8	2.0-4.0	36-41	0
	40-60	5.6-7.8	0.0-1.0	30-36	0
59D2:					
Burchard--------	0-5	5.6-7.3	2.2-3.2	25-30	0
	5-24	6.1-8.4	1.0-2.0	15-30	0-10
	24-60	7.4-8.4	0.5-1.0	15-25	1-15
78B:					
Sac----------	0-12	5.6-7.3	3.5-4.5	36-41	0
	12-31	5.6-7.3	1.0-2.0	36-41	0
	31-60	6.6-8.4	0.0-1.0	36-41	0-30
78B2:					
Sac----------	0-7	5.6-7.3	2.7-3.7	36-41	0
	7-30	5.6-7.3	1.0-2.0	36-41	0
	30-60	6.6-8.4	0.0-1.0	36-41	0-30
78C:					
Sac----------	0-12	5.6-7.3	3.5-4.5	36-41	0
	12-31	5.6-7.3	1.0-2.0	36-41	0
	31-60	6.6-8.4	0.0-1.0	36-41	0-30

Chemical Properties of the Soils

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Ida county, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
78C2:					
Sac----------	0-7	5.6-7.3	2.7-3.7	36-41	0
	7-30	5.6-7.3	1.0-2.0	36-41	0
	30-60	6.6-8.4	0.0-1.0	36-41	0-30
78D2:					
Sac----------	0-7	5.6-7.3	2.7-3.7	36-41	0
	7-30	5.6-7.3	1.0-2.0	36-41	0
	30-60	6.6-8.4	0.0-1.0	36-41	0-30
91B:					
Primghar--------	0-18	5.6-7.3	5.0-6.0	41-45	0
	18-45	6.1-8.4	2.0-4.0	36-41	0-30
	45-60	7.9-8.4	1.0-2.0	30-36	15-30
92:					
Marcus----------	0-20	6.1-7.8	6.0-7.0	41-45	0-15
	20-35	6.1-8.4	3.0-5.0	41-45	0-25
	35-60	7.9-8.4	1.0-2.0	36-41	20-30
99C2:					
Exira----------	0-7	5.6-7.3	2.2-3.2	28-34	0
	7-21	5.6-6.5	0.0-1.0	28-34	0
	21-60	6.1-7.3	0.0-0.5	28-34	0
99D2:					
Exira----------	0-7	5.6-7.3	2.2-3.2	28-34	0
	7-21	5.6-6.5	0.0-1.0	28-34	0
	21-60	6.1-7.3	0.0-0.5	28-34	0
99D3:					
Exira----------	0-7	5.6-7.3	1.2-2.2	28-34	0
	7-21	5.6-6.5	0.0-1.0	28-34	0
	21-60	6.1-7.3	0.0-0.5	28-34	0
99E2:					
Exira----------	0-7	5.6-7.3	2.2-3.2	28-34	0
	7-21	5.6-6.5	0.0-1.0	28-34	0
	21-60	6.1-7.3	0.0-0.5	28-34	0
100C:					
Monona----------	0-10	5.6-7.3	3.0-4.0	25-30	0
	10-22	6.1-7.3	1.0-1.0	25-30	0
	22-60	6.6-8.4	0.0-0.5	20-25	0-25
100C2:					
Monona----------	0-7	5.6-7.3	2.2-3.2	25-30	0
	7-20	6.1-7.3	1.0-1.0	25-30	0
	20-60	6.6-8.4	0.0-0.5	25-30	0-25
100C3:					
Monona----------	0-7	5.6-7.3	1.2-2.2	25-30	0
	7-20	6.1-7.3	0.0-0.5	25-30	0
	20-60	6.6-8.4	0.0-0.5	20-25	0-25

Chemical Properties of the Soils

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

Ida county, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
100D:					
Monona----------	0-10	5.6-7.3	3.0-4.0	25-30	0
	10-22	6.1-7.3	1.0-1.0	25-30	0
	22-60	6.6-8.4	0.0-0.5	20-25	0-25
100D2:					
Monona----------	0-7	5.6-7.3	2.2-3.2	25-30	0
	7-20	6.1-7.3	1.0-1.0	25-30	0
	20-60	6.6-8.4	0.0-0.5	25-30	0-25
100D3:					
Monona----------	0-7	5.6-7.3	1.2-2.2	25-30	0
	7-20	6.1-7.3	0.0-0.5	25-30	0
	20-60	6.6-8.4	0.0-0.5	20-25	0-25
100E:					
Monona----------	0-10	5.6-7.3	3.0-4.0	25-30	0
	10-22	6.1-7.3	1.0-1.0	25-30	0
	22-60	6.6-8.4	0.0-0.5	20-25	0-25
100E2:					
Monona----------	0-7	5.6-7.3	2.2-3.2	25-30	0
	7-20	6.1-7.3	1.0-1.0	25-30	0
	20-60	6.6-8.4	0.0-0.5	25-30	0-25
100E3:					
Monona----------	0-7	5.6-7.3	1.2-2.2	25-30	0
	7-20	6.1-7.3	0.0-0.5	25-30	0
	20-60	6.6-8.4	0.0-0.5	20-25	0-25
100F:					
Monona----------	0-10	5.6-7.3	3.0-4.0	25-30	0
	10-22	6.1-7.3	1.0-1.0	25-30	0
	22-60	6.6-8.4	0.0-0.5	20-25	0-25
100F2:					
Monona----------	0-7	5.6-7.3	2.2-3.2	25-30	0
	7-20	6.1-7.3	1.0-1.0	25-30	0
	20-60	6.6-8.4	0.0-0.5	25-30	0-25
100F3:					
Monona----------	0-7	5.6-7.3	1.2-2.2	25-30	0
	7-20	6.1-7.3	0.0-0.5	25-30	0
	20-60	6.6-8.4	0.0-0.5	20-25	0-25
133:					
Colo----------	0-36	5.6-7.3	5.0-7.0	36-41	0
	36-52	5.6-7.3	3.0-4.0	36-41	0
	52-60	6.1-7.3	1.0-2.0	30-36	0
133+:					
Colo----------	0-12	5.6-7.3	3.0-5.0	25-30	0
	12-47	5.6-7.3	3.0-4.0	36-41	0
	47-60	6.1-7.3	1.0-2.0	30-36	0

Chemical Properties of the Soils

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Ida county, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
220:					
Nodaway---------	0-10	6.1-7.3	1.5-2.5	20-25	0
	10-60	6.1-7.3	0.0-0.5	20-25	0
309:					
Allendorf-------	0-14	5.6-7.3	3.5-4.5	25-30	0
	14-34	6.1-7.8	0.5-1.0	25-30	0-20
	34-39	6.1-7.8	0.0-0.5	20-25	0-20
	39-60	7.4-8.4	0.0-0.5	5.0-10	5-30
310:					
Galva----------	0-12	5.6-7.3	4.0-5.0	36-41	0
	12-46	6.1-7.3	1.0-2.0	36-41	0
	46-60	6.6-8.4	0.0-0.5	36-41	0-25
310B:					
Galva----------	0-12	5.6-7.3	3.5-4.5	36-41	0
	12-46	6.1-7.3	1.0-2.0	36-41	0
	46-60	6.6-8.4	0.0-0.5	36-41	0-25
310B2:					
Galva----------	0-7	5.6-7.3	2.7-3.7	36-41	0
	7-40	6.1-7.3	1.0-2.0	36-41	0
	40-60	6.6-8.4	0.0-1.0	36-41	0-25
310C:					
Galva----------	0-12	5.6-7.3	3.5-4.5	36-41	0
	12-46	6.1-7.3	1.0-2.0	36-41	0
	46-54	6.6-8.4	0.0-0.5	36-41	0-25
	54-60	7.4-8.4	0.0-0.5	36-41	5-30
310C2:					
Galva----------	0-7	5.6-7.3	2.7-3.7	36-41	0
	7-40	6.1-7.3	1.0-2.0	36-41	0
	40-54	6.6-8.4	0.0-1.0	36-41	0-25
	54-60	7.4-8.4	0.0-0.5	36-41	5-30
310D:					
Galva----------	0-12	5.6-7.3	2.7-3.7	36-41	0
	12-46	6.1-7.3	1.0-2.0	36-41	0
	46-54	6.6-8.4	0.0-0.5	36-41	0-25
	54-60	7.4-8.4	0.0-0.5	36-41	5-30
310D2:					
Galva----------	0-7	5.6-7.3	2.0-3.0	36-41	0
	7-40	6.1-7.3	1.0-2.0	36-41	0
	40-54	6.6-8.4	0.0-1.0	36-41	0-25
	54-60	7.4-8.4	0.0-0.5	36-41	5-30
428B:					
Ely----------	0-30	5.6-7.3	5.0-6.0	30-36	0
	30-46	6.1-7.3	1.0-3.0	30-36	0
	46-60	6.6-8.4	0.5-1.0	25-30	0-25

Chemical Properties of the Soils

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Ida county, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
430:					
Ackmore---------	0-8	5.6-7.3	1.0-3.0	25-30	0
	8-30	5.6-7.3	1.0-3.0	25-30	0
	30-60	5.6-7.8	3.0-5.0	25-30	5-10
430B:					
Ackmore---------	0-8	5.6-7.3	1.0-3.0	25-30	0
	8-30	5.6-7.3	1.0-3.0	25-30	0
	30-60	5.6-7.8	3.0-5.0	25-30	5-10
474C:					
Bolan----------	0-11	5.6-7.3	3.0-4.0	15-20	0
	11-32	5.6-6.5	1.0-2.0	10-15	0
	32-40	5.6-7.3	0.0-1.0	10-15	0
	40-60	5.6-7.3	0.0-0.5	5.0-10	0
474D2:					
Bolan----------	0-8	5.6-7.3	2.2-3.2	15-20	0
	8-32	5.6-6.5	0.0-1.0	10-15	0
	32-40	5.6-7.3	0.0-0.5	10-15	0
	40-60	5.6-7.3	0.0-0.5	5.0-10	0
475B:					
Arthur----------	0-11	5.6-7.3	3.0-4.0	25-30	0
	11-32	6.1-7.3	1.0-2.0	25-30	0
	32-40	6.6-7.8	0.0-0.5	10-15	0
	40-60	6.6-7.8	0.0-0.5	5.0-10	0
475C2:					
Arthur----------	0-7	5.6-7.3	2.0-3.0	25-30	0
	7-26	6.1-7.3	0.5-1.0	25-30	0
	26-30	6.6-7.8	0.0-0.5	10-15	0
	30-60	6.6-7.8	0.0-0.5	5.0-10	0
475D2:					
Arthur----------	0-7	5.6-7.3	2.0-3.0	25-30	0
	7-26	6.1-7.3	0.5-1.0	25-30	0
	26-30	6.6-7.8	0.0-0.5	10-15	0
	30-60	6.6-7.8	0.0-0.5	5.0-10	0
509:					
Marshall--------	0-18	5.6-7.3	3.5-4.5	25-30	0
	18-48	5.6-7.3	0.0-1.0	25-30	0
	48-60	6.6-7.3	0.0-0.5	20-25	0
509B:					
Marshall--------	0-18	5.6-7.3	3.0-4.0	25-30	0
	18-48	5.6-7.3	0.0-1.0	25-30	0
	48-60	6.6-7.3	0.0-0.5	20-25	0
509C:					
Marshall--------	0-18	5.6-7.3	3.0-4.0	25-30	0
	18-48	5.6-7.3	0.0-1.0	25-30	0
	48-60	6.6-7.3	0.0-0.5	20-25	0

Chemical Properties of the Soils

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Ida county, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
509C2:					
Marshall--------	0-8	5.6-7.3	2.2-3.2	25-30	0
	8-48	5.6-7.3	1.0-1.0	25-30	0
	48-60	5.6-7.3	0.0-1.0	25-30	0
740C:					
Hawick----------	0-13	6.1-7.8	0.5-1.5	10-15	0-10
	13-20	6.1-7.8	0.0-0.5	1.0-5.0	0-10
	20-60	7.4-8.4	0.0-0.5	1.0-5.0	5-15
740E:					
Hawick----------	0-13	6.1-7.8	0.5-1.5	10-15	0-10
	13-20	6.1-7.8	0.0-0.5	1.0-5.0	0-10
	20-60	7.4-8.4	0.0-0.5	1.0-5.0	5-15
740G:					
Hawick----------	0-13	6.1-7.8	0.5-1.5	10-15	0-10
	13-20	6.1-7.8	0.0-0.5	1.0-5.0	0-10
	20-60	7.4-8.4	0.0-0.5	1.0-5.0	5-15
810:					
Galva----------	0-14	5.6-7.3	4.0-5.0	36-41	0
	14-50	6.1-7.3	1.0-2.0	36-41	0
	50-60	6.6-8.4	0.0-0.5	36-41	0-25
810B:					
Galva----------	0-14	5.6-7.3	3.5-4.5	36-41	0
	14-50	6.1-7.3	1.0-2.0	36-41	0
	50-60	6.6-8.4	0.0-0.5	36-41	0-25
810C2:					
Galva----------	0-7	5.6-7.3	2.7-3.7	36-41	0
	7-30	6.1-7.3	1.0-2.0	36-41	0
	30-50	6.6-8.4	0.0-1.0	36-41	0-25
	50-60	7.4-8.4	0.0-0.5	36-41	5-30
1220:					
Nodaway---------	0-10	6.1-7.3	1.5-2.5	20-25	0
	10-60	6.1-7.3	0.0-0.5	20-25	0
5010:					
Pits----------	---	---	---	---	---
5040:					
Orthents--------	0-60	---	---	0.0-0.0	---
	60-80	---	---	0.0-0.0	---
W:					
Water----------	---	---	---	---	---