Chemical Properties of the Soils

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

Lucas County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
13B:					
Zook----------	0-7	5.6-7.3	2.4-7.0	36-41	0
	7-60	5.6-7.8	2.0-4.0	36-41	0-15
Olmitz----------	0-9	5.6-7.3	2.4-7.0	20-25	0
	9-28	5.6-7.3	2.0-3.0	20-25	0
	28-60	5.1-6.5	1.0-2.0	20-25	0
Vesser----------	0-14	5.6-7.3	2.4-7.0	25-30	0
	14-33	5.1-6.0	1.0-2.0	20-25	0
	33-60	5.6-6.5	0.0-1.0	25-30	0
23C:					
Arispe----------	0-10	5.6-7.3	3.0-4.0	25-30	0
	10-26	5.6-7.3	0.5-1.0	30-36	0
	26-43	6.6-7.3	0.0-0.5	25-30	0
	43-60	5.6-7.3	0.0-0.5	25-30	0
23C2:					
Arispe----------	0-6	5.6-7.3	2.2-3.2	25-30	0
	6-26	5.6-7.3	0.5-1.0	25-30	0
	26-43	6.6-7.3	0.0-0.5	25-30	0
	43-60	5.6-7.3	0.0-0.5	25-30	0
24D:					
Shelby----------	0-11	5.1-7.3	3.0-4.0	20-25	0
	11-56	5.1-7.3	0.0-1.0	20-25	0
	56-60	6.6-8.4	0.0-1.0	20-25	0-30
24D2:					
Shelby----------	0-6	5.1-7.3	2.2-3.2	20-25	0
	6-15	5.1-7.3	1.0-2.0	20-25	0
	15-50	5.1-7.3	0.0-1.0	20-25	0
	50-60	6.6-8.4	0.0-0.5	20-25	0-30
24E2:					
Shelby----------	0-6	5.1-7.3	2.2-3.2	20-25	0
	6-15	5.1-7.3	1.0-2.0	20-25	0
	15-50	5.1-7.3	0.0-1.0	20-25	0
	50-60	6.6-8.4	0.0-0.5	20-25	0-30
24E3:					
Shelby----------	0-6	5.1-7.3	1.2-2.2	20-25	0
	6-50	5.1-7.3	0.0-1.0	20-25	0
	50-60	6.6-8.4	0.0-1.0	20-25	0-30
24F2:					
Shelby----------	0-6	5.1-7.3	2.2-3.2	20-25	0
	6-15	5.1-7.3	1.0-2.0	20-25	0
	15-50	5.1-7.3	0.0-1.0	20-25	0
	50-60	6.6-8.4	0.0-0.5	20-25	0-30
51:					
Vesser----------	0-14	5.6-7.3	3.0-4.0	25-30	0
	14-33	5.1-6.0	1.0-2.0	20-25	0

Chemical Properties of the Soils

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

Lucas County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	33-60	5.1-6.5	0.0-1.0	25-30	0
51+:					
Vesser----------	0-14	5.6-7.3	1.5-2.5	25-30	0
	14-33	5.1-6.0	1.0-2.0	20-25	0
	33-60	5.1-6.5	0.0-1.0	25-30	0
51B:					
Vesser----------	0-14	5.6-7.3	2.5-3.5	25-30	0
	14-33	5.1-6.0	1.0-2.0	20-25	0
	33-60	5.6-6.5	0.0-1.0	25-30	0
51B+:					
Vesser----------	0-14	5.6-7.3	1.5-2.5	25-30	0
	14-33	5.1-6.0	1.0-2.0	20-25	0
	33-60	5.6-6.5	0.0-1.0	25-30	0
54:					
Zook----------	0-7	5.6-7.3	5.0-7.0	36-41	0
	7-37	5.6-7.8	2.0-4.0	36-41	0
	37-60	5.6-7.8	0.0-1.0	30-36	0
54+:					
Zook----------	0-12	5.6-7.3	2.0-4.0	20-25	0
	12-42	5.6-7.8	2.0-4.0	36-41	0
	42-60	5.6-7.8	0.0-1.0	30-36	0
54B:					
Zook----------	0-7	5.6-7.3	5.0-7.0	36-41	0
	7-60	5.6-7.8	3.0-4.0	36-41	0-15
65E:					
Lindley---------	0-7	4.5-7.3	2.0-3.0	15-20	0
	7-41	4.5-6.5	0.1-1.0	15-20	0
	41-60	6.1-7.8	0.1-0.5	10-16	0
65E2:					
Lindley---------	0-5	4.5-7.3	1.5-2.5	20-25	0
	5-39	4.5-6.5	0.1-1.0	15-20	0
	39-60	6.1-7.8	0.1-0.5	10-16	0
65F:					
Lindley---------	0-7	4.5-7.3	2.0-3.0	15-20	0
	7-41	4.5-6.5	0.1-1.0	15-20	0
	41-60	6.1-7.8	0.1-0.5	10-16	0
65F2:					
Lindley---------	0-5	4.5-7.3	1.5-2.5	20-25	0
	5-39	4.5-6.5	0.1-1.0	15-20	0
	39-60	6.1-7.8	0.1-0.5	10-16	0
65G:					
Lindley---------	0-7	4.5-7.3	2.0-3.0	15-20	0
	7-41	4.5-6.5	0.1-1.0	15-20	0
	41-60	6.1-7.8	0.1-0.5	10-16	0

Chemical Properties of the Soils

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

Lucas County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
65G2:					
Lindley---------	0-5	4.5-7.3	1.5-2.5	20-25	0
	5-39	4.5-6.5	0.1-1.0	15-20	0
	39-60	6.1-7.8	0.1-0.5	10-16	0
93D2:					
Shelby----------	0-6	5.1-7.3	2.2-3.2	20-30	0
	6-15	5.1-7.3	1.0-2.0	20-25	0
	15-50	5.1-7.3	0.0-1.0	20-25	0
	50-60	6.6-8.4	0.0-0.5	20-25	0-30
Adair----------	0-6	5.6-7.3	2.2-3.2	20-30	0
	6-30	5.1-6.5	0.5-1.0	41-50	0
	30-60	5.6-7.8	0.0-0.5	25-30	5-10
94D2:					
Mystic----------	0-9	4.5-7.3	2.0-3.0	25-30	0
	9-51	4.5-6.5	0.0-0.5	25-30	0
	51-60	6.1-6.5	0.0-0.5	20-25	0
Caleb----------	0-7	4.5-7.3	2.0-3.0	20-25	0
	7-43	4.5-6.0	0.0-0.5	20-25	0
	43-60	6.1-6.5	0.0-0.5	5.0-25	0
94E2:					
Mystic----------	0-9	4.5-7.3	2.0-3.0	25-30	0
	9-51	4.5-6.5	0.0-0.5	25-30	0
	51-60	6.1-6.5	0.0-0.5	20-25	0
Caleb----------	0-7	4.5-7.3	2.0-3.0	20-25	0
	7-43	4.5-6.0	0.0-0.5	20-25	0
	43-60	6.1-6.5	0.0-0.5	5.0-25	0
131B:					
Pershing--------	0-11	4.5-7.3	2.5-3.5	20-25	0
	11-15	5.1-6.0	0.0-1.0	25-30	0
	15-34	5.1-6.0	0.0-0.5	30-36	0
	34-60	5.1-6.5	0.0-0.5	25-30	0
131C:					
Pershing--------	0-11	4.5-7.3	2.5-3.5	20-25	0
	11-15	5.1-6.0	0.0-1.0	25-30	0
	15-34	5.1-6.0	0.0-0.5	30-36	0
	34-60	5.1-6.5	0.0-0.5	25-30	0
131C2:					
Pershing--------	0-6	4.5-7.3	2.0-3.0	25-30	0
	6-9	5.1-6.0	0.0-1.0	25-30	0
	9-34	5.1-6.0	0.0-0.5	30-36	0
	34-60	5.1-6.5	0.0-0.5	25-30	0
131D2:					
Pershing--------	0-6	4.5-7.3	2.0-3.0	25-30	0
	6-9	5.1-6.0	0.0-1.0	25-30	0

Chemical Properties of the Soils

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

Lucas County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	9-34	5.1-6.0	0.0-0.5	30-36	0
	34-60	5.1-6.5	0.0-0.5	25-30	0
132B:					
Weller----------	0-12	4.5-7.3	2.0-3.0	15-20	0
	12-43	4.5-6.0	0.0-0.5	30-35	0
	43-60	5.1-6.5	0.0-0.5	25-30	0
132C:					
Weller----------	0-12	4.5-7.3	2.0-3.0	15-20	0
	12-43	4.5-6.0	0.0-0.5	30-35	0
	43-60	5.1-6.5	0.0-0.5	25-30	0
132C2:					
Weller----------	0-6	4.5-7.3	1.5-2.5	25-30	0
	6-37	4.5-6.0	0.0-0.5	30-35	0
	37-60	5.1-6.5	0.0-0.5	25-30	0
132D2:					
Weller----------	0-6	4.5-7.3	1.5-2.5	30-35	0
	6-37	4.5-6.0	0.0-0.5	30-35	0
	37-60	5.1-6.5	0.0-0.5	25-30	0
172:					
Wabash----------	0-8	5.6-7.3	4.0-5.0	0.0-41	0
	8-60	5.1-7.8	1.0-2.0	28-42	0
179D2:					
Gara----------	0-7	5.6-7.3	2.0-3.0	25-30	0
	7-47	4.5-6.5	0.0-0.5	25-30	0
	47-60	5.6-8.4	0.0-0.5	25-30	0-25
179E:					
Gara----------	0-9	5.6-7.3	2.5-3.5	20-25	0
	9-47	4.5-6.5	0.0-1.0	20-25	0
	47-60	6.6-8.4	0.0-0.5	20-25	0-25
179E2:					
Gara----------	0-7	5.6-7.3	2.0-3.0	25-30	0
	7-47	4.5-6.5	0.0-0.5	25-30	0
	47-60	5.6-8.4	0.0-0.5	25-30	0-25
179E3:					
Gara----------	0-7	5.6-7.3	1.0-2.0	25-30	0
	7-47	4.5-6.5	0.0-0.5	25-30	0
	47-60	5.6-8.4	0.0-0.5	25-30	0-25
179F:					
Gara----------	0-9	5.6-7.3	2.5-3.5	20-25	0
	9-47	4.5-6.5	0.0-1.0	20-25	0
	47-60	6.6-8.4	0.0-0.5	20-25	0-25
179F2:					
Gara----------	0-7	5.6-7.3	2.0-3.0	25-30	0
	7-47	4.5-6.5	0.0-0.5	25-30	0

Chemical Properties of the Soils

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

Lucas County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	47-60	5.6-8.4	0.0-0.5	25-30	0-25
179G2:					
Gara----------	0-7	5.6-7.3	2.0-3.0	25-30	0
	7-47	4.5-6.5	0.0-0.5	25-30	0
	47-60	5.6-8.4	0.0-0.5	25-30	0-25
192C2:					
Adair----------	0-6	5.6-7.3	2.2-3.2	25-30	0
	6-30	5.1-6.5	0.5-1.0	41-50	0
	30-60	5.6-7.8	0.0-0.5	25-30	5-10
192D2:					
Adair----------	0-6	5.6-7.3	2.2-3.2	25-30	0
	6-30	5.1-6.5	0.5-1.0	41-50	0
	30-60	5.6-7.8	0.0-0.5	25-30	5-10
211:					
Edina----------	0-9	5.1-7.3	3.5-4.5	25-30	0
	9-16	5.1-7.3	0.5-1.0	14-20	0
	16-43	5.1-7.3	0.0-0.5	28-42	0
	43-60	6.1-7.3	0.0-0.5	20-30	0
220:					
Nodaway---------	0-8	6.1-7.3	1.5-2.5	20-25	0
	8-60	6.1-7.3	0.0-0.5	20-25	0
222C:					
Clarinda--------	0-13	5.1-7.3	3.0-4.0	36-41	0
	13-45	5.1-6.5	0.5-1.0	41-50	0
	45-60	5.6-8.4	0.0-0.5	41-50	0-30
222C2:					
Clarinda--------	0-6	5.1-7.3	2.2-3.2	36-41	0
	6-39	5.1-6.5	0.5-1.0	41-50	0
	39-60	5.6-8.4	0.0-0.5	41-50	0-30
222C3:					
Clarinda--------	0-6	5.1-7.3	1.7-2.7	36-41	0
	6-39	5.1-6.5	0.0-0.5	41-50	0
	39-60	5.6-8.4	0.0-0.5	41-50	0-30
222D2:					
Clarinda--------	0-6	5.1-7.3	2.2-3.2	36-41	0
	6-39	5.1-6.5	0.5-1.0	41-50	0
	39-60	5.6-8.4	0.0-0.5	41-50	0-30
223C2:					
Rinda----------	0-7	5.1-7.3	2.0-3.0	30-36	0
	7-11	5.1-6.5	0.0-0.5	30-36	0
	11-60	5.1-7.3	0.0-0.5	41-50	0
223D2:					
Rinda----------	0-7	5.1-7.3	2.0-3.0	30-36	0
	7-11	5.1-6.5	0.0-0.5	30-36	0

Chemical Properties of the Soils

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

Lucas County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	11-60	5.1-7.3	0.0-0.5	41-50	0
269:					
Humeston--------	0-14	5.1-7.3	3.0-4.0	25-30	0
	14-24	4.5-6.0	1.0-2.0	25-30	0
	24-60	4.5-6.5	0.5-1.0	25-36	0
269+:					
Humeston--------	0-14	5.1-7.3	1.0-2.0	25-30	0
	14-24	4.5-6.0	1.0-2.0	25-30	0
	24-60	4.5-6.5	0.5-1.0	25-36	0
273B:					
Olmitz----------	0-9	5.6-7.3	3.0-4.0	20-25	0
	9-28	5.6-7.3	2.0-3.0	20-25	0
	28-60	5.1-6.5	1.0-2.0	20-25	0
273C:					
Olmitz----------	0-9	5.6-7.3	3.0-4.0	20-25	0
	9-28	5.6-7.3	2.0-3.0	20-25	0
	28-60	5.1-6.5	1.0-2.0	20-25	0
313D2:					
Gosport---------	0-6	5.1-7.3	1.5-2.5	15-20	0
	6-36	3.6-5.5	0.0-0.5	30-50	0
	36-60	---	---	---	---
313E2:					
Gosport---------	0-6	5.1-7.3	1.5-2.5	15-20	0
	6-36	3.6-5.5	0.0-0.5	30-50	0
	36-60	---	---	---	---
313F:					
Gosport---------	0-9	5.1-7.3	2.0-3.0	15-20	0
	9-39	3.6-5.5	0.0-0.5	30-50	0
	39-60	---	---	---	---
313F2:					
Gosport---------	0-6	5.1-7.3	1.5-2.5	15-20	0
	6-36	3.6-5.5	0.0-0.5	30-50	0
	36-60	---	---	---	---
362:					
Haig----------	0-7	5.6-7.3	3.5-4.5	36-41	0
	7-21	5.1-6.0	1.0-2.0	36-41	0
	21-51	5.1-6.0	0.0-1.0	36-41	0
	51-60	6.1-7.3	0.0-0.5	36-41	0
364B:					
Grundy----------	0-12	5.6-7.3	3.0-4.0	30-36	0
	12-16	5.6-6.5	0.5-1.0	16-24	0
	16-36	5.1-7.3	0.0-0.5	20-26	0
	36-60	5.6-7.3	0.0-0.5	14-19	0

Chemical Properties of the Soils

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

Lucas County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
423C2:					
Bucknell--------	0-6	5.6-7.3	2.0-3.0	20-25	0
	6-49	4.5-6.0	0.0-0.5	36-41	0
	49-60	5.6-7.3	0.0-0.5	30-36	0
423D:					
Bucknell--------	0-14	5.6-7.3	2.5-3.5	20-25	0
	14-54	4.5-6.0	0.0-1.0	36-41	0
	54-60	5.6-7.3	0.0-0.5	30-36	0
423D2:					
Bucknell--------	0-6	5.6-7.3	2.0-3.0	20-25	0
	6-49	4.5-6.0	0.0-0.5	36-41	0
	49-60	5.6-7.3	0.0-0.5	30-36	0
425D:					
Keswick---------	0-6	4.5-7.3	2.0-3.0	20-25	0
	6-29	4.5-6.0	0.0-0.5	30-50	0
	29-60	4.5-7.8	0.0-0.5	30-36	0-15
425D2:					
Keswick---------	0-5	4.5-7.3	1.5-2.5	25-30	0
	5-24	4.5-6.0	0.0-0.5	30-50	0
	24-60	4.5-7.8	0.0-0.5	30-36	0-15
430:					
Ackmore---------	0-8	5.6-7.3	1.0-3.0	25-30	0
	8-28	5.6-7.3	1.0-3.0	25-30	0
	28-60	5.6-7.8	3.0-5.0	25-30	5-10
451D2:					
Caleb----------	0-7	4.5-7.3	2.0-3.0	20-25	0
	7-43	4.5-6.0	0.0-0.5	20-25	0
	43-60	6.1-6.5	0.0-0.5	5.0-25	0
451E2:					
Caleb----------	0-7	4.5-7.3	2.0-3.0	20-25	0
	7-43	4.5-6.0	0.0-0.5	20-25	0
	43-60	6.1-6.5	0.0-0.5	5.0-25	0
452C:					
Lineville-------	0-11	5.6-7.3	2.5-3.5	20-25	0
	11-19	5.1-6.0	0.0-0.5	20-25	0
	19-33	5.6-6.0	0.0-0.5	20-25	0
	33-60	5.6-7.3	0.0-0.5	30-41	0
452C2:					
Lineville-------	0-6	5.6-7.3	2.0-3.0	25-30	0
	6-19	5.1-6.0	0.0-0.5	20-25	0
	19-33	5.6-6.0	0.0-0.5	20-25	0
	33-60	5.6-7.3	0.0-0.5	30-41	0
453:					
Tuskeego--------	0-20	5.1-7.3	3.0-4.0	20-25	0
	20-32	5.1-6.5	1.0-2.0	20-25	0

Chemical Properties of the Soils

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Lucas County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	32-60	5.1-6.5	0.0-2.0	30-36	0
470D2:					
Lamoni----------	0-6	5.1-7.3	2.2-3.2	25-30	0
	6-34	5.1-6.5	0.5-2.0	41-50	0
	34-60	5.6-7.3	0.0-0.5	25-30	0
Shelby----------	0-6	5.1-7.3	2.2-3.2	20-25	0
	6-15	5.1-7.3	1.0-2.0	20-25	0
	15-50	5.1-7.3	0.0-1.0	20-25	0
	50-60	6.6-8.4	0.0-0.5	20-25	0-30
484:					
Lawson----------	0-9	6.1-7.3	4.4-6.0	25-30	0
	9-34	6.1-7.8	3.0-7.0	11-29	0
	34-60	6.1-7.8	1.0-4.0	11-23	0
587:					
Chequest--------	0-12	5.6-7.3	3.0-4.0	25-30	0
	12-60	5.1-6.0	0.0-1.0	25-30	0
587+:					
Chequest--------	0-15	5.6-7.3	1.0-3.0	20-25	0
	15-60	5.1-6.0	0.0-1.0	25-30	0
592C2:					
Mystic----------	0-9	4.5-7.3	2.0-3.0	20-25	0
	9-51	4.5-6.5	0.0-0.5	25-30	0
	51-60	6.1-6.5	0.0-0.5	20-25	0
592D2:					
Mystic----------	0-9	4.5-7.3	2.0-3.0	20-25	0
	9-51	4.5-6.5	0.0-0.5	25-30	0
	51-60	6.1-6.5	0.0-0.5	20-25	0
711:					
Nodaway---------	0-8	6.1-7.3	1.4-6.0	10-30	0
	8-60	6.1-7.3	0.0-0.5	20-25	0
Lawson----------	0-9	6.1-7.8	1.4-6.0	10-30	0
	9-34	6.1-7.8	3.0-7.0	11-29	0
	34-60	6.1-7.8	1.0-4.0	11-23	0
792C:					
Armstrong-------	0-11	5.6-7.3	2.5-3.5	20-25	0
	11-40	4.5-6.5	0.0-1.0	41-50	0
	40-60	5.1-7.8	0.0-0.5	30-35	0
792C2:					
Armstrong-------	0-6	5.6-7.3	2.0-3.0	25-30	0
	6-34	4.5-6.5	0.0-1.0	41-50	0
	34-60	5.1-7.8	0.0-0.5	30-35	0
792D:					
Armstrong-------	0-11	5.6-7.3	2.5-3.5	20-25	0

Chemical Properties of the Soils

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

Lucas County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	11-40	4.5-6.5	0.0-1.0	41-50	0
	40-60	5.1-7.8	0.0-0.5	30-35	0
792D2:					
Armstrong-------	0-6	5.6-7.3	2.0-3.0	25-30	0
	6-34	4.5-6.5	0.0-1.0	41-50	0
	34-60	5.1-7.8	0.0-0.5	30-35	0
792D3:					
Armstrong-------	0-6	5.6-7.3	1.5-2.5	30-35	0
	6-34	4.5-6.5	0.0-0.5	41-50	0
	34-60	5.1-7.8	0.0-0.5	30-35	0
822C:					
Lamoni----------	0-14	5.5-7.3	3.0-4.0	25-30	0
	14-42	5.1-6.5	0.0-0.5	41-50	0
	42-60	5.6-7.3	0.0-0.5	25-30	0
822C2:					
Lamoni----------	0-6	5.5-7.3	2.2-3.2	25-30	0
	6-34	5.1-6.5	0.5-2.0	41-50	0
	34-60	5.6-7.3	0.0-0.5	25-30	0
822D:					
Lamoni----------	0-14	5.5-7.3	3.0-4.0	25-30	0
	14-42	5.1-6.5	0.0-0.5	41-50	0
	42-60	5.6-7.3	0.0-0.5	25-30	0
822D2:					
Lamoni----------	0-6	5.5-7.3	2.2-3.2	25-30	0
	6-34	5.1-6.5	0.5-2.0	41-50	0
	34-60	5.6-7.3	0.0-0.5	25-30	0
831B:					
Pershing--------	0-11	4.5-7.3	2.5-3.5	25-30	0
	11-15	5.1-6.0	0.0-1.0	25-30	0
	15-34	5.1-6.0	0.0-0.5	30-36	0
	34-60	5.1-6.5	0.0-0.5	25-30	0
831C:					
Pershing--------	0-11	4.5-7.3	2.5-3.5	25-30	0
	11-15	5.1-6.0	0.0-1.0	25-30	0
	15-34	5.1-6.0	0.0-0.5	30-36	0
	34-60	5.1-6.5	0.0-0.5	25-30	0
831C2:					
Pershing--------	0-6	4.5-7.3	2.0-3.0	25-30	0
	6-10	5.1-6.0	0.0-1.0	25-30	0
	10-29	5.1-6.0	0.0-0.5	30-36	0
	29-60	5.1-6.5	0.0-0.5	25-30	0
894D2:					
Bucknell--------	0-6	5.1-7.3	2.0-3.0	20-25	0
	6-49	4.5-6.0	0.0-0.5	36-41	0
	49-60	5.6-7.3	0.0-0.5	30-36	0

Chemical Properties of the Soils

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

Lucas County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
Gara----------	0-7	5.6-7.3	2.0-3.0	25-30	0
	7-47	4.5-6.5	0.0-0.5	25-30	0
	47-60	5.6-8.4	0.0-0.5	25-30	0-25
993D2:					
Gara----------	0-7	5.6-7.3	2.0-3.0	25-30	0
	7-47	4.5-6.5	0.0-0.5	25-30	0
	47-60	5.6-8.4	0.0-0.5	25-30	0-25
Armstrong-------	0-6	5.6-7.3	2.0-3.0	30-35	0
	6-35	4.5-6.5	0.0-1.0	41-50	0
	35-60	5.1-7.8	0.0-0.5	30-35	0
1711:					
Nodaway---------	0-8	6.1-7.3	1.4-6.0	10-30	0
	8-60	6.1-7.3	0.0-0.5	20-25	0
Lawson----------	0-9	6.1-7.8	1.4-6.0	10-30	0
	9-34	6.1-7.8	3.0-7.0	11-29	0
	34-60	6.1-7.8	1.0-4.0	11-23	0
5021:					
Orthents--------	---	---	---	---	---
5025:					
Strip mines-----	---	---	---	---	---
5040:					
Orthents--------	---	---	---	---	---
INT:					
Intermittent water----------	---	---	---	---	---
SL:					
SEWAGE LAGOON---	---	---	---	---	---
W:					
Water----------	---	---	---	---	---