Chemical Properties of the Soils

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

Monroe County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
11B:					
COLO----------	0-7	5.6-7.3	5.0-7.0	36-41	0
	7-36	5.6-7.3	3.0-4.0	36-41	0
	36-60	6.1-7.3	1.0-2.0	30-36	0
ELY----------	0-25	5.6-7.3	4.0-6.0	30-36	0
	25-47	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
13B:					
OLMITZ----------	0-29	5.6-7.3	2.4-7.0	20-25	0
	29-60	5.6-7.3	2.0-3.0	20-25	0
COLO----------	0-7	5.6-7.3	2.4-7.0	36-41	0
	7-36	5.6-7.3	3.0-4.0	36-41	0
	36-60	6.1-7.3	1.0-2.0	30-36	0
VESSER----------	0-13	5.6-7.3	2.4-7.0	25-30	0
	13-31	5.1-6.0	1.0-2.0	20-25	0
	31-60	5.1-6.5	0.0-1.0	25-30	0
23C:					
ARISPE----------	0-10	5.6-7.3	3.0-4.0	25-30	0
	10-46	5.6-7.3	0.5-1.0	30-36	0
	46-60	5.6-7.3	0.0-0.5	25-30	0
23C2:					
ARISPE----------	0-7	5.6-7.3	2.2-3.2	25-30	0
	7-39	5.6-7.3	0.5-1.0	25-30	0
	39-60	5.6-7.3	0.0-0.5	25-30	0
24D2:					
SHELBY----------	0-7	5.1-7.3	2.2-3.2	20-25	0
	7-11	5.1-7.3	1.0-2.0	20-25	0
	11-39	5.1-7.3	0.0-1.0	20-25	0
	39-60	6.6-8.4	0.0-0.5	20-25	0-30
24E2:					
SHELBY----------	0-7	5.1-7.3	2.2-3.2	20-25	0
	7-11	5.1-7.3	1.0-2.0	20-25	0
	11-39	5.1-7.3	0.0-1.0	20-25	0
	39-60	6.6-8.4	0.0-0.5	20-25	0-30
41D:					
SPARTA----------	0-16	5.1-7.3	1.0-2.0	10-15	0
	16-35	5.1-7.3	0.1-1.0	1.0-6.0	0
	35-60	5.1-7.8	0.0-0.5	1.0-4.0	0
51:					
VESSER----------	0-13	5.6-7.3	3.0-4.0	25-30	0
	13-31	5.1-6.0	1.0-2.0	20-25	0
	31-60	5.1-6.5	0.0-1.0	25-30	0
54:					
ZOOK----------	0-15	5.6-7.3	5.0-7.0	36-41	0

Chemical Properties of the Soils

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

Monroe County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	15-33	5.6-7.8	2.0-4.0	36-41	0
	33-60	5.6-7.8	0.0-1.0	30-36	0
54+:					
ZOOK----------	0-18	5.6-7.3	2.0-4.0	20-25	0
	18-40	5.6-7.8	2.0-4.0	36-41	0
	40-60	5.6-7.8	0.0-1.0	30-36	0
58D2:					
DOUDS----------	0-6	5.1-7.3	1.5-2.5	15-20	0
	6-28	4.5-6.0	0.0-1.0	15-20	0
	28-60	5.1-6.0	0.0-0.5	5.0-20	0
58E2:					
DOUDS----------	0-6	5.1-7.3	1.5-2.5	15-20	0
	6-28	4.5-6.0	0.0-1.0	15-20	0
	28-60	5.1-6.0	0.0-0.5	5.0-20	0
65D:					
LINDLEY---------	0-8	4.5-7.3	2.0-3.0	15-20	0
	8-52	4.5-6.5	0.1-1.0	15-20	0
	52-60	6.1-7.8	0.1-0.5	10-16	0
65E:					
LINDLEY---------	0-8	3.0-7.3	2.0-3.0	15-20	0
	8-52	4.5-6.5	0.1-1.0	15-20	0
	52-60	6.1-7.8	0.1-0.5	10-16	0
65E2:					
LINDLEY---------	0-8	4.5-7.3	1.5-2.5	20-25	0
	8-52	4.5-6.5	0.1-1.0	15-20	0
	52-60	6.1-7.8	0.1-0.5	10-16	0
65G:					
LINDLEY---------	0-8	4.5-7.3	2.0-3.0	15-20	0
	8-52	4.5-6.5	0.1-1.0	15-20	0
	52-60	6.1-7.8	0.1-0.5	10-16	0
76B:					
LADOGA----------	0-11	6.1-7.3	2.5-3.5	20-25	0
	11-54	5.1-6.0	0.5-1.0	20-25	0
	54-60	5.1-6.5	0.0-0.5	20-25	0
76C:					
LADOGA----------	0-11	6.1-7.3	2.5-3.5	20-25	0
	11-54	5.1-6.0	0.5-1.0	20-25	0
	54-60	5.1-6.5	0.0-0.5	20-25	0
76C2:					
LADOGA----------	0-11	6.1-7.3	2.0-3.0	25-30	0
	11-54	5.1-6.0	0.5-1.0	25-30	0
	54-60	5.1-6.5	0.0-0.5	20-25	0
76D:					
LADOGA----------	0-11	6.1-7.3	2.5-3.5	20-25	0

Chemical Properties of the Soils

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

Monroe County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	11-54	5.1-6.0	0.5-1.0	20-25	0
	54-60	5.1-6.5	0.0-0.5	20-25	0
76D2:					
LADOGA----------	0-11	6.1-7.3	2.0-3.0	25-30	0
	11-54	5.1-6.0	0.5-1.0	25-30	0
	54-60	5.1-6.5	0.0-0.5	20-25	0
80D:					
CLINTON---------	0-13	5.1-7.3	2.0-3.0	15-20	0
	13-46	4.5-6.0	0.0-1.0	25-30	0
	46-60	6.1-6.5	0.0-0.5	20-25	0
80D2:					
CLINTON---------	0-6	5.1-7.3	1.5-2.5	20-25	0
	6-37	4.5-6.0	0.0-0.5	25-30	0
	37-60	6.1-6.5	0.0-0.5	20-25	0
130:					
BELINDA---------	0-6	5.6-7.3	2.0-3.0	20-25	0
	6-18	4.5-6.0	0.5-1.0	20-25	0
	18-41	4.5-6.5	0.5-1.0	30-36	0
	41-70	5.1-6.0	0.0-0.5	30-36	0
131B:					
PERSHING--------	0-9	4.5-7.3	2.5-3.5	20-25	0
	9-13	5.1-6.0	0.0-1.0	25-30	0
	13-37	5.1-6.0	0.0-0.5	30-36	0
	37-72	5.1-6.5	0.0-0.5	25-30	0
131C:					
PERSHING--------	0-9	4.5-7.3	2.5-3.5	20-25	0
	9-13	5.1-6.0	0.0-1.0	25-30	0
	13-37	5.1-6.0	0.0-0.5	30-36	0
	37-60	5.1-6.5	0.0-0.5	25-30	0
132B:					
WELLER----------	0-15	4.5-7.3	2.0-3.0	15-20	0
	15-60	4.5-6.0	0.0-0.5	30-35	0
132C:					
WELLER----------	0-15	4.5-7.3	2.0-3.0	15-20	0
	15-60	4.5-6.0	0.0-0.5	30-35	0
133:					
COLO----------	0-7	5.6-7.3	5.0-7.0	36-41	0
	7-36	5.6-7.3	3.0-4.0	36-41	0
	36-60	6.1-7.3	1.0-2.0	30-36	0
133+:					
COLO----------	0-10	5.6-7.3	3.0-5.0	25-30	0
	10-38	5.6-7.3	3.0-4.0	36-41	0
	38-60	6.1-7.3	1.0-2.0	30-36	0

Chemical Properties of the Soils

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

Monroe County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
133B:					
COLO----------	0-7	5.6-7.3	5.0-7.0	36-41	0
	7-36	5.6-7.3	3.0-4.0	36-41	0
	36-60	6.1-7.3	1.0-2.0	30-36	0
179D2:					
GARA----------	0-8	5.6-7.3	2.0-3.0	25-30	0
	8-54	4.5-6.5	0.0-0.5	25-30	0
	54-60	5.6-8.4	0.0-0.5	25-30	0-25
179E2:					
GARA----------	0-8	5.6-7.3	2.0-3.0	25-30	0
	8-54	4.5-6.5	0.0-0.5	25-30	0
	54-60	5.6-8.4	0.0-0.5	25-30	0-25
179F:					
GARA----------	0-8	5.6-7.3	2.5-3.5	20-25	0
	8-54	4.5-6.5	0.0-1.0	20-25	0
	54-60	6.6-8.4	0.0-0.5	20-25	0-25
179F2:					
GARA----------	0-8	5.6-7.3	2.0-3.0	25-30	0
	8-54	4.5-6.5	0.0-0.5	25-30	0
	54-60	5.6-8.4	0.0-0.5	25-30	0-25
192D2:					
ADAIR----------	0-6	5.6-7.3	2.2-3.2	25-30	---
	6-40	5.1-6.5	0.5-1.0	41-50	---
	40-60	5.6-7.8	0.0-0.5	25-30	5-10
211:					
EDINA----------	0-7	5.1-7.3	3.5-4.5	25-30	---
	7-17	5.1-7.3	0.5-1.0	14-20	---
	17-48	5.1-7.3	0.0-0.5	28-42	---
	48-60	6.1-7.3	0.0-0.5	20-30	---
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
222C:					
CLARINDA--------	0-5	5.1-7.3	3.0-4.0	36-41	---
	5-25	5.1-6.5	0.5-1.0	41-50	---
	25-60	5.6-8.4	0.0-0.5	41-50	0-30
222C2:					
CLARINDA--------	0-5	5.1-7.3	2.2-3.2	36-41	---
	5-25	5.1-6.5	0.5-1.0	41-50	---
	25-60	5.6-8.4	0.0-0.5	41-50	0-30
222D2:					
CLARINDA--------	0-5	5.1-7.3	2.2-3.2	36-41	---
	5-25	5.1-6.5	0.5-1.0	41-50	---
	25-60	5.6-8.4	0.0-0.5	41-50	0-30

Chemical Properties of the Soils

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

Monroe County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
223C2:					
RINDA----------	0-7	5.6-7.3	2.0-3.0	30-36	---
	7-11	5.1-6.5	0.0-0.5	30-36	---
	11-60	5.1-7.3	0.0-0.5	41-50	---
223D2:					
RINDA----------	0-7	5.6-7.3	2.0-3.0	30-36	---
	7-11	5.1-6.5	0.0-0.5	30-36	---
	11-60	5.1-7.3	0.0-0.5	41-50	---
260:					
BECKWITH--------	0-6	4.5-7.3	1.5-2.5	15-20	0
	6-13	4.5-5.5	0.5-1.0	15-20	0
	13-46	5.1-6.0	0.0-0.5	36-41	0
	46-60	5.6-6.5	0.0-0.5	30-36	0
263:					
OKAW----------	0-14	4.5-7.3	2.0-3.0	15-20	---
	14-48	4.5-6.0	0.5-1.0	---	---
	48-60	4.5-7.3	0.0-0.5	---	---
273C:					
OLMITZ----------	0-29	5.6-7.3	3.0-4.0	20-25	0
	29-60	5.6-7.3	2.0-3.0	20-25	0
279:					
TAINTOR---------	0-12	5.6-7.3	5.0-6.0	36-41	0
	12-18	5.6-7.3	2.0-3.0	36-41	0
	18-52	5.6-6.5	0.0-1.0	30-36	0
	52-60	6.1-7.8	0.0-1.0	25-30	0-15
280:					
MAHASKA---------	0-19	5.1-7.3	5.0-6.0	30-36	0
	19-50	4.5-6.0	1.0-2.0	30-36	0
	50-60	5.6-7.3	0.0-1.0	25-30	0
281B:					
OTLEY----------	0-16	5.1-7.3	3.0-4.0	25-30	0
	16-48	5.1-5.5	1.0-2.0	25-30	0
	48-60	5.6-7.3	0.0-0.5	25-30	0
281C:					
OTLEY----------	0-16	5.1-7.3	3.0-4.0	25-30	0
	16-48	5.1-5.5	1.0-2.0	25-30	0
	48-60	5.6-7.3	0.0-0.5	25-30	0
281C2:					
OTLEY----------	0-7	5.1-7.3	2.2-3.2	25-30	---
	7-16	5.1-7.3	1.0-2.0	25-30	0
	16-48	5.1-5.5	0.0-1.0	25-30	0
	48-60	5.6-7.3	0.0-0.5	25-30	0
313D:					
GOSPORT---------	0-8	5.1-6.5	2.0-3.0	15-20	0
	8-28	3.6-5.5	0.0-0.5	30-50	0

Chemical Properties of the Soils

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

Monroe County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	28-60	---	---	---	---
313D2:					
GOSPORT---------	0-8	5.1-6.5	1.5-2.5	15-20	0
	8-28	3.6-5.5	0.0-0.5	30-50	0
	28-60	---	---	---	---
313E:					
GOSPORT---------	0-8	5.1-6.5	2.0-3.0	15-20	0
	8-28	3.6-5.5	0.0-0.5	30-50	0
	28-60	---	---	---	---
313E2:					
GOSPORT---------	0-8	5.1-6.5	1.5-2.5	15-20	0
	8-28	3.6-5.5	0.0-0.5	30-50	0
	28-60	---	---	---	---
313F:					
GOSPORT---------	0-8	5.1-6.5	2.0-3.0	15-20	0
	8-28	3.6-5.5	0.0-0.5	30-50	0
	28-60	---	---	---	---
362:					
HAIG----------	0-7	5.6-7.3	3.5-4.5	36-41	0
	7-17	5.1-6.0	1.0-2.0	36-41	0
	17-41	5.1-6.0	0.0-1.0	36-41	0
	41-60	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
	16-42	5.1-7.3	0.0-0.5	20-26	0
	42-60	5.6-7.3	0.0-0.5	14-19	0
419D2:					
VANMETER--------	0-6	6.1-8.4	1.5-2.5	25-30	0-30
	6-25	6.1-8.4	0.0-1.0	41-50	0-30
	25-60	---	---	---	---
419E2:					
VANMETER--------	0-6	6.1-8.4	1.5-2.5	25-30	0-30
	6-25	6.1-8.4	0.0-1.0	41-50	0-30
	25-60	---	---	---	---
423D2:					
BUCKNELL--------	0-7	5.1-7.3	2.0-3.0	20-25	0
	7-52	4.5-6.0	0.0-0.5	36-41	0
	52-60	5.6-7.3	0.0-0.5	30-36	0
424E2:					
LINDLEY---------	0-4	4.5-7.3	1.5-2.5	20-30	0
	4-39	4.5-6.5	0.1-1.0	15-20	0
	39-60	6.1-7.8	0.1-0.5	10-16	0
KESWICK---------	0-6	4.5-7.3	1.5-2.5	20-30	---

Chemical Properties of the Soils

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

Monroe County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
	6-28	4.5-6.0	0.0-0.5	30-50	---
	28-60	4.5-7.8	0.0-0.5	30-36	0-15
425C:					
KESWICK---------	0-10	4.5-7.3	2.0-3.0	20-25	---
	10-32	4.5-6.0	0.0-0.5	30-50	---
	32-60	4.5-7.8	0.0-0.5	30-36	0-15
425D:					
KESWICK---------	0-10	4.5-7.3	2.0-3.0	20-25	---
	10-32	4.5-6.0	0.0-0.5	30-50	---
	32-60	4.5-7.8	0.0-0.5	30-36	0-15
425D2:					
KESWICK---------	0-10	4.5-7.3	1.5-2.5	25-30	---
	10-32	4.5-6.0	0.0-0.5	30-50	---
	32-60	4.5-7.8	0.0-0.5	30-36	0-15
428B:					
ELY----------	0-25	5.6-7.3	5.0-6.0	30-36	0
	25-47	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
452C:					
LINEVILLE-------	0-11	5.1-7.3	2.5-3.5	20-25	0
	11-14	5.1-6.0	0.0-0.5	20-25	0
	14-35	5.6-6.0	0.0-0.5	20-25	0
	35-60	5.6-7.3	0.0-0.5	30-41	0
478G:					
GOSPORT---------	0-9	5.1-6.5	2.0-3.0	15-20	0
	9-30	3.6-5.5	0.0-0.5	30-50	0
	30-60	---	---	---	---
ROCK OUTCROP----	---	---	---	---	---
484:					
LAWSON----------	0-22	6.1-7.8	4.4-6.0	25-30	0
	22-35	6.1-7.8	3.0-7.0	11-29	0
	35-60	6.1-7.8	0.1-1.0	9.0-17	0
594C2:					
GALLAND---------	0-5	5.6-7.3	1.5-2.5	20-25	---
	5-43	4.5-6.0	0.0-0.5	25-35	---
	43-60	6.1-6.5	0.0-0.5	10-35	---
594D2:					
GALLAND---------	0-5	5.6-7.3	1.5-2.5	20-25	---
	5-43	4.5-6.0	0.0-0.5	25-35	---
	43-60	6.1-6.5	0.0-0.5	10-35	---
688:					
KOSZTA----------	0-14	5.1-7.3	3.0-4.0	20-25	0
	14-60	5.1-7.3	0.0-0.5	20-25	0

Chemical Properties of the Soils

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

Monroe County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
731C2:					
PERSHING--------	0-6	4.5-7.3	2.0-3.0	25-30	0
	6-51	5.1-6.0	0.0-0.5	30-36	0
	51-60	5.1-6.5	0.0-0.5	25-30	0
731D2:					
PERSHING--------	0-6	4.5-7.3	2.0-3.0	25-30	0
	6-51	5.1-6.0	0.0-0.5	30-36	0
	51-60	5.1-6.5	0.0-0.5	25-30	0
732C2:					
WELLER----------	0-6	4.5-7.3	1.5-2.5	25-30	0
	6-26	4.5-6.0	0.0-0.5	30-35	0
	26-60	5.1-6.5	0.0-0.5	25-30	0
732D2:					
WELLER----------	0-6	4.5-7.3	1.5-2.5	25-30	0
	6-26	4.5-6.0	0.0-0.5	30-35	0
	26-40	5.1-6.5	0.0-0.5	25-30	0
792C2:					
ARMSTRONG-------	0-5	5.6-7.3	2.0-3.0	20-25	---
	5-25	4.5-6.5	0.0-1.0	41-50	---
	25-60	5.1-7.8	0.0-0.5	30-35	---
792D2:					
ARMSTRONG-------	0-5	5.6-7.3	2.0-3.0	20-25	---
	5-25	4.5-6.5	0.0-1.0	41-50	---
	25-60	5.1-7.8	0.0-0.5	30-35	---
795D:					
ASHGROVE--------	0-10	4.5-7.3	2.0-3.0	25-30	---
	10-60	4.5-7.3	0.0-0.5	41-50	---
822D2:					
LAMONI----------	0-14	5.1-7.3	2.2-3.2	25-30	0
	14-46	5.1-6.5	0.5-2.0	41-50	0
	46-60	5.6-7.3	0.0-0.5	25-30	0
832C2:					
WELLER----------	0-6	4.5-7.3	1.5-2.5	25-30	0
	6-26	4.5-6.0	0.0-0.5	30-35	0
	26-60	5.1-6.5	0.0-0.5	25-30	0
876B:					
LADOGA----------	0-11	6.1-7.3	2.5-3.5	20-25	0
	11-54	5.1-6.0	0.5-1.0	20-25	0
	54-60	5.1-6.5	0.0-0.5	20-25	0
876C2:					
LADOGA----------	0-11	6.1-7.3	2.0-3.0	20-25	0
	11-54	5.1-6.0	0.5-1.0	25-30	0
	54-60	5.1-6.5	0.0-0.5	20-25	0

Chemical Properties of the Soils

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

Monroe County, Iowa

Map symbol and soil name	Depth	Soil reaction	Organic matter	Cation-exchange capacity	Calcium carbonate
	In	pH	Pct	meq/100 g	Pct
993D2:					
GARA----------	0-8	5.6-7.3	2.0-3.0	25-30	0
	8-54	4.5-6.5	0.0-0.5	25-30	0
	54-60	5.6-8.4	0.0-0.5	25-30	0-25
ARMSTRONG-------	0-5	5.6-7.3	2.0-3.0	20-25	---
	5-25	4.5-6.5	0.0-1.0	41-50	---
	25-60	5.1-7.8	0.0-0.5	30-35	---
993E2:					
GARA----------	0-8	5.6-7.3	2.0-3.0	25-30	0
	8-54	4.5-6.5	0.0-0.5	25-30	0
	54-60	5.6-8.4	0.0-0.5	25-30	0-25
ARMSTRONG-------	0-5	5.6-7.3	2.0-3.0	20-25	---
	5-25	4.5-6.5	0.0-1.0	41-50	---
	25-60	5.1-7.8	0.0-0.5	30-35	---
1130:					
BELINDA---------	0-6	5.6-7.3	2.0-3.0	20-25	0
	6-18	4.5-6.0	0.5-1.0	20-25	0
	18-41	4.5-6.5	0.5-1.0	30-36	0
	41-70	5.1-6.0	0.0-0.5	30-36	0
1131C:					
PERSHING--------	0-9	4.5-7.3	2.5-3.5	20-25	0
	9-13	5.1-6.0	0.0-1.0	25-30	0
	13-37	5.1-6.0	0.0-0.5	30-36	0
	37-72	5.1-6.5	0.0-0.5	25-30	0
1279:					
TAINTOR---------	0-12	5.6-7.3	5.0-6.0	36-41	0
	12-18	5.6-7.3	2.0-3.0	36-41	0
	18-52	5.6-6.5	0.0-1.0	30-36	0
	52-60	6.1-7.8	0.0-1.0	25-30	0-15
5020:					
DUMPS----------	---	---	---	---	---
PITS----------	---	---	---	---	---
5021:					
ORTHENTS--------	---	---	---	---	---
5030:					
PITS----------	---	---	---	---	---
5040:					
ORTHENTS--------	---	---	---	---	---
W:					
WATER----------	---	---	---	---	---