

Chemical Properties of the Soils

Chilton County, Alabama

NOTE: Absence of an entry indicates that data were not estimated.

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
AaA:								
Altavista-----	0-12	---	---	3.6-6.5	0	0	0	0
	12-42	---	---	3.6-6.0	0	0	0	0
	42-60	---	---	---	---	---	---	---
AwA:								
Angie-----	0-9	---	---	4.5-6.5	---	---	0	---
	9-16	---	---	4.5-5.5	---	---	0	---
	16-37	---	---	4.5-5.5	---	---	0	---
	37-49	---	---	4.5-5.5	---	---	0	---
	49-90	---	---	4.5-5.5	---	---	0	---
Wickham-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-40	---	---	4.5-6.0	---	---	0	---
	40-70	---	---	---	---	---	---	---
AwB:								
Angie-----	0-10	2.0-15	---	4.5-6.5	0	0	0	0
	10-65	---	15-50	3.6-6.0	0	0	0	0
Wickham-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-40	---	---	4.5-6.0	---	---	0	---
	40-70	---	---	---	---	---	---	---
Bb:								
Bibb-----	0-12	---	4.0-7.0	3.6-5.5	0	0	0	0
	12-60	---	4.0-10	3.6-5.5	0	0	0	0
BdC:								
Bodine-----	0-8	---	---	3.6-5.5	0	0	0	0
	8-24	---	---	3.6-5.5	0	0	0	0
	24-72	---	---	3.6-5.5	0	0	0	0
BoC:								
Bodine-----	0-8	---	---	3.6-5.5	0	0	0	0
	8-24	---	---	3.6-5.5	0	0	0	0
	24-72	---	---	3.6-5.5	0	0	0	0
BoE:								
Bodine-----	0-8	---	---	3.6-5.5	0	0	0	0
	8-24	---	---	3.6-5.5	0	0	0	0
	24-72	---	---	3.6-5.5	0	0	0	0
BwA:								
Bowie-----	0-13	---	---	4.5-6.0	---	---	0	---
	13-33	---	---	4.5-6.0	---	---	0	---
	33-60	---	---	4.5-6.0	---	---	0	---
BwB:								
Bowie-----	0-13	---	---	4.5-6.0	---	---	0	---
	13-33	---	---	4.5-6.0	---	---	0	---
	33-60	---	---	4.5-6.0	---	---	0	---

Chemical Properties of the Soils, cont.

Chilton County, Alabama

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
HsB2:								
Hiwassee-----	0-7	3.0-6.0	---	4.5-6.5	0	0	0	0
	7-61	4.0-10	---	4.5-6.5	0	0	0	0
	61-70	2.0-6.0	---	4.5-6.5	0	0	0	0
HsC2:								
Hiwassee-----	0-7	3.0-6.0	---	4.5-6.5	0	0	0	0
	7-61	4.0-10	---	4.5-6.5	0	0	0	0
	61-70	2.0-6.0	---	4.5-6.5	0	0	0	0
HsD2:								
Hiwassee-----	0-7	3.0-6.0	---	4.5-6.5	0	0	0	0
	7-61	4.0-10	---	4.5-6.5	0	0	0	0
	61-70	2.0-6.0	---	4.5-6.5	0	0	0	0
IwA:								
Iredell-----	0-7	9.0-13	---	5.1-7.3	0	0	0	0
	7-24	26-30	---	5.6-7.3	0	0	0	0
	24-27	15-30	---	6.1-7.8	0	0	0	0
	27-62	---	---	---	---	---	---	---
Wilkes-----	0-7	9.0-13	---	5.1-7.3	0	0	0	0
	7-24	26-30	---	5.6-7.3	0	0	0	0
	24-27	15-30	---	6.1-7.8	0	0	0	0
	27-62	---	---	---	---	---	---	---
IwC:								
Iredell-----	0-7	9.0-13	---	5.1-7.3	0	0	0	0
	7-24	26-30	---	5.6-7.3	0	0	0	0
	24-27	15-30	---	6.1-7.8	0	0	0	0
	27-62	---	---	---	---	---	---	---
Wilkes-----	0-6	---	---	5.1-6.5	---	---	0	---
	6-13	---	---	6.1-7.8	---	---	0	---
	13-48	---	---	---	---	---	---	---
LeB:								
Linker-----	0-11	---	---	4.5-6.0	0	0	0	0
	11-30	---	---	4.5-6.0	0	0	0	0
	30-42	---	---	4.5-6.0	0	0	0	0
	42-60	---	---	---	---	---	---	---
LgC:								
Linker-----	0-5	---	5.0-15	3.6-5.5	0	0	0	0
	5-25	---	5.0-15	3.6-5.5	0	0	0	0
	25-35	---	5.0-20	3.6-5.5	0	0	0	0
	35-37	---	5.0-20	3.6-5.5	0	0	0	0
	37-60	---	---	---	0	0	0	0
LkD:								
Linker-----	0-5	---	5.0-15	3.6-5.5	0	0	0	0
	5-25	---	5.0-15	3.6-5.5	0	0	0	0
	25-35	---	5.0-20	3.6-5.5	0	0	0	0
	35-37	---	5.0-20	3.6-5.5	0	0	0	0
	37-60	---	---	---	0	0	0	0
LuA:								
Lucedale-----	0-8	---	---	5.1-6.5	---	---	0	---
	8-60	---	---	4.5-5.5	---	---	0	---
LuB:								
Lucedale-----	0-8	---	---	5.1-6.5	---	---	0	---
	8-60	---	---	4.5-5.5	---	---	0	---

Chemical Properties of the Soils, cont.

Chilton County, Alabama

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
LuC:								
Lucaledale-----	0-8	---	---	5.1-6.5	---	---	0	---
	8-60	---	---	4.5-5.5	---	---	0	---
LvB:								
Luverne-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-30	---	---	3.6-5.5	---	---	0	---
	30-40	---	---	3.6-5.5	---	---	0	---
	40-80	---	---	3.6-5.5	---	---	0	---
LvB2:								
Luverne-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-30	---	---	3.6-5.5	---	---	0	---
	30-40	---	---	3.6-5.5	---	---	0	---
	40-80	---	---	3.6-5.5	---	---	0	---
LvC:								
Luverne-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-30	---	---	3.6-5.5	---	---	0	---
	30-40	---	---	3.6-5.5	---	---	0	---
	40-80	---	---	3.6-5.5	---	---	0	---
LvC2:								
Luverne-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-30	---	---	3.6-5.5	---	---	0	---
	30-40	---	---	3.6-5.5	---	---	0	---
	40-80	---	---	3.6-5.5	---	---	0	---
LvD2:								
Luverne-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-30	---	---	3.6-5.5	---	---	0	---
	30-40	---	---	3.6-5.5	---	---	0	---
	40-80	---	---	3.6-5.5	---	---	0	---
LwC2:								
Luverne-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-30	---	---	3.6-5.5	---	---	0	---
	30-40	---	---	3.6-5.5	---	---	0	---
	40-80	---	---	3.6-5.5	---	---	0	---
Boswell-----	0-5	---	---	4.5-5.5	---	---	0	---
	5-70	---	---	4.5-5.5	---	---	0	---
LwD2:								
Luverne-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-30	---	---	3.6-5.5	---	---	0	---
	30-40	---	---	3.6-5.5	---	---	0	---
	40-80	---	---	3.6-5.5	---	---	0	---
Boswell-----	0-5	---	---	4.5-5.5	---	---	0	---
	5-70	---	---	4.5-5.5	---	---	0	---
LwF:								
Luverne-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-30	---	---	3.6-5.5	---	---	0	---
	30-40	---	---	3.6-5.5	---	---	0	---
	40-80	---	---	3.6-5.5	---	---	0	---
Boswell-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-30	---	---	3.6-5.5	---	---	0	---
	30-40	---	---	3.6-5.5	---	---	0	---
	40-80	---	---	3.6-5.5	---	---	0	---

Chemical Properties of the Soils, cont.

Chilton County, Alabama

Map symbol and soil name	Depth	Cation	Effective	Soil	Calcium	Gypsum	Salinity	Sodium
		exchange capacity	cation exchange capacity	reaction	carbon- ate			
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
McB:								
McLaurin-----	0-14	---	---	4.5-5.5	---	---	0	---
	14-38	---	---	4.5-5.5	---	---	0	---
	38-60	---	---	4.5-5.5	---	---	0	---
McC:								
McLaurin-----	0-14	---	---	4.5-5.5	---	---	0	---
	14-38	---	---	4.5-5.5	---	---	0	---
	38-60	---	---	4.5-5.5	---	---	0	---
McD:								
McLaurin-----	0-14	---	---	4.5-5.5	---	---	0	---
	14-38	---	---	4.5-5.5	---	---	0	---
	38-60	---	---	4.5-5.5	---	---	0	---
MdB2:								
Madison-----	0-3	4.0-7.0	---	4.5-6.5	0	0	0	0
	3-29	---	6.0-18	4.5-6.0	0	0	0	0
	29-52	---	5.0-12	4.5-6.0	0	0	0	0
	52-70	---	4.0-10	4.5-6.0	0	0	0	0
MdC2:								
Madison-----	0-3	4.0-7.0	---	4.5-6.5	0	0	0	0
	3-29	---	6.0-18	4.5-6.0	0	0	0	0
	29-52	---	5.0-12	4.5-6.0	0	0	0	0
	52-70	---	4.0-10	4.5-6.0	0	0	0	0
MdD2:								
Madison-----	0-3	4.0-7.0	---	4.5-6.5	0	0	0	0
	3-29	---	6.0-18	4.5-6.0	0	0	0	0
	29-52	---	5.0-12	4.5-6.0	0	0	0	0
	52-70	---	4.0-10	4.5-6.0	0	0	0	0
MsA:								
Masada-----	0-6	---	---	4.5-6.0	---	---	0	---
	6-42	---	---	4.5-6.0	---	---	0	---
	42-60	---	---	4.5-6.0	---	---	0	---
Mt:								
Myatt-----	0-10	---	---	4.5-6.0	---	---	0	---
	10-50	---	---	3.6-5.5	---	---	0	---
	50-72	---	---	3.6-5.5	---	---	0	---
MYA:								
Myatt-----	0-10	---	---	4.5-6.0	---	---	0	---
	10-50	---	---	3.6-5.5	---	---	0	---
	50-72	---	---	3.6-5.5	---	---	0	---
Bibb-----	0-12	---	4.0-7.0	3.6-5.5	0	0	0	0
	12-60	---	4.0-10	3.6-5.5	0	0	0	0
OrA:								
Ora-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-26	---	---	3.6-5.5	---	---	0	---
	26-56	---	---	3.6-5.5	---	---	0	---
	56-70	---	---	3.6-5.5	---	---	0	---
OrB:								
Ora-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-26	---	---	3.6-5.5	---	---	0	---
	26-56	---	---	3.6-5.5	---	---	0	---
	56-70	---	---	3.6-5.5	---	---	0	---

Chemical Properties of the Soils, cont.

Chilton County, Alabama

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
OrB2:								
Ora-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-26	---	---	3.6-5.5	---	---	0	---
	26-56	---	---	3.6-5.5	---	---	0	---
	56-70	---	---	3.6-5.5	---	---	0	---
OrC:								
Ora-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-26	---	---	3.6-5.5	---	---	0	---
	26-56	---	---	3.6-5.5	---	---	0	---
	56-70	---	---	3.6-5.5	---	---	0	---
OrC2:								
Ora-----	0-7	---	---	3.6-5.5	---	---	0	---
	7-26	---	---	3.6-5.5	---	---	0	---
	26-56	---	---	3.6-5.5	---	---	0	---
	56-70	---	---	3.6-5.5	---	---	0	---
Ro:								
Rock Land-----	0-6	---	---	4.5-6.5	0	0	0	0
	6-14	---	---	4.5-5.5	0	0	0	0
	14-18	---	---	---	---	---	---	---
RsA:								
Ruston-----	0-14	---	---	4.5-6.0	---	---	0	---
	14-41	---	---	4.5-5.5	---	---	0	---
	41-74	---	---	4.5-5.5	---	---	0	---
RsB:								
Ruston-----	0-14	---	---	4.5-6.0	---	---	0	---
	14-41	---	---	4.5-5.5	---	---	0	---
	41-74	---	---	4.5-5.5	---	---	0	---
RsC:								
Ruston-----	0-14	---	---	4.5-6.0	---	---	0	---
	14-41	---	---	4.5-5.5	---	---	0	---
	41-74	---	---	4.5-5.5	---	---	0	---
RsC2:								
Ruston-----	0-14	---	---	4.5-6.0	---	---	0	---
	14-41	---	---	4.5-5.5	---	---	0	---
	41-74	---	---	4.5-5.5	---	---	0	---
RsD2:								
Ruston-----	0-14	---	---	4.5-6.0	---	---	0	---
	14-41	---	---	4.5-5.5	---	---	0	---
	41-74	---	---	4.5-5.5	---	---	0	---
RTE:								
Ruston-----	0-11	---	---	4.5-5.5	---	---	0	---
	11-38	---	---	4.5-5.5	---	---	0	---
	38-80	---	---	4.5-5.5	---	---	0	---
Shubuta-----	0-10	---	5.0-15	4.5-6.0	0	0	0	0
	10-44	---	5.0-15	4.5-6.0	0	0	0	0
	44-72	---	20-45	3.6-5.5	0	0	0	0
Troup-----	0-53	---	---	4.5-6.0	---	---	0	---
	53-80	---	---	4.5-5.5	---	---	0	---

