

Chemical Properties of the Soils

Perry County, Alabama

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

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	
AnA:								
Annemaine-----	0-5	---	---	4.5-6.5	---	---	0	---
	5-18	---	---	4.5-5.5	---	---	0	---
	18-42	---	---	4.5-5.5	---	---	0	---
	42-58	---	---	4.5-5.5	---	---	0	---
	58-75	---	---	4.5-5.5	---	---	0	---
BaA:								
Bama-----	0-6	---	---	4.5-6.0	---	---	0	---
	6-75	---	---	4.5-5.5	---	---	0	---
BaB:								
Bama-----	0-6	---	---	4.5-6.0	---	---	0	---
	6-65	---	---	4.5-5.5	---	---	0	---
CaA:								
Cahaba-----	0-15	---	---	4.5-6.0	---	---	0	---
	15-45	---	---	4.5-6.0	---	---	0	---
	45-65	---	---	4.5-6.0	---	---	0	---
CaB:								
Cahaba-----	0-5	---	---	4.5-6.0	---	---	0	---
	5-50	---	---	4.5-6.0	---	---	0	---
	50-65	---	---	4.5-6.0	---	---	0	---
DsD2:								
Demopolis-----	0-4	---	---	7.4-8.4	---	0	0	0
	4-10	---	---	7.4-8.4	---	0	0	0
	10-80	---	---	---	---	---	---	---
Sumter-----	0-5	---	---	6.6-8.4	---	0	0	0
	5-14	---	---	7.4-8.4	---	0	0	0
	14-30	---	---	7.4-8.4	---	0	0	0
	30-80	---	---	---	---	---	---	---
DwB:								
Demopolis-----	0-5	---	---	7.4-8.4	---	0	0	0
	5-13	---	---	7.4-8.4	---	0	0	0
	13-80	---	---	---	---	---	---	---
Watsonia-----	0-3	25-50	---	4.5-6.5	0	0	0	0
	3-10	35-50	---	4.5-6.5	0	0	0	0
	10-16	30-60	---	6.1-8.4	2-15	0	0	0
	16-60	---	---	---	---	---	---	---
EnA:								
Eunola-----	0-10	---	2.0-10	4.5-5.5	0	0	0	0
	10-23	---	2.0-12	4.5-5.5	0	0	0	0
	23-48	---	2.0-12	4.5-5.5	0	0	0	0
	48-60	---	1.0-6.0	4.5-5.5	0	0	0	0
EtA:								
Eutaw-----	0-4	---	---	4.5-6.0	---	---	0	---
	4-60	---	---	4.5-6.0	---	---	0	---

Chemical Properties of the Soils, cont.

Perry 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	
FuA:								
Fluvaquents-----	0-6	---	---	3.6-5.5	0	0	0	0
	6-60	---	---	3.6-5.5	0	0	0	0
GrA:								
Greenville-----	0-6	---	5.0-12	4.5-6.0	0	0	0	0
	6-65	---	4.0-12	4.5-6.0	0	0	0	0
GrB:								
Greenville-----	0-5	---	5.0-12	4.5-6.0	0	0	0	0
	5-65	---	4.0-12	4.5-6.0	0	0	0	0
KpB:								
Kipling-----	0-5	---	---	3.6-6.0	---	---	0	---
	5-65	---	---	3.6-8.4	---	---	0	---
	65-80	---	---	5.1-8.4	---	---	0	---
LnB:								
Luverne-----	0-5	---	---	3.6-5.5	---	---	0	---
	5-30	---	---	3.6-5.5	---	---	0	---
	30-35	---	---	3.6-5.5	---	---	0	---
	35-60	---	---	3.6-5.5	---	---	0	---
LsD:								
Luverne-----	0-6	---	---	3.6-5.5	---	---	0	---
	6-43	---	---	3.6-5.5	---	---	0	---
	43-65	---	---	3.6-5.5	---	---	0	---
Smithdale-----	0-13	---	---	4.5-5.5	---	---	0	---
	13-38	---	---	4.5-5.5	---	---	0	---
	38-60	---	---	4.5-5.5	---	---	0	---
LsE:								
Luverne-----	0-3	---	---	3.6-5.5	---	---	0	---
	3-35	---	---	3.6-5.5	---	---	0	---
	35-43	---	---	3.6-5.5	---	---	0	---
	43-65	---	---	3.6-5.5	---	---	0	---
Smithdale-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-42	---	---	4.5-5.5	---	---	0	---
	42-65	---	---	4.5-5.5	---	---	0	---
MIA:								
Mantachie-----	0-5	---	---	4.5-5.5	---	---	0	---
	5-60	---	---	4.5-5.5	---	---	0	---
Iuka-----	0-7	---	---	5.1-6.0	---	---	0	---
	7-38	---	---	4.5-5.5	---	---	0	---
	38-60	---	---	4.5-5.5	---	---	0	---
Kinston-----	0-5	---	3.0-11	4.5-6.0	0	0	0	0
	5-60	---	3.0-10	4.5-5.5	0	0	0	0
MkC2:								
Maubila-----	0-3	---	---	3.6-5.5	---	---	0	---
	3-34	---	---	3.6-5.5	---	---	0	---
	34-52	---	---	3.6-5.5	---	---	0	---
	52-80	---	---	3.6-5.5	---	---	0	---

Chemical Properties of the Soils, cont.

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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	
MsE:								
Maubila-----	0-4	---	---	3.6-5.5	---	---	0	---
	4-35	---	---	3.6-5.5	---	---	0	---
	35-65	---	---	3.6-5.5	---	---	0	---
Smithdale-----	0-3	---	---	4.5-5.5	---	---	0	---
	3-33	---	---	4.5-5.5	---	---	0	---
	33-65	---	---	4.5-5.5	---	---	0	---
MtA:								
Minter-----	0-4	---	---	4.5-5.5	0	0	0	0
	4-60	---	---	4.5-5.5	0	0	0	0
MyA:								
Myatt-----	0-11	---	---	4.5-6.0	---	---	0	---
	11-23	---	---	3.6-5.5	---	---	0	---
	23-65	---	---	3.6-5.5	---	---	0	---
OaA:								
Ochlockonee-----	0-9	---	---	4.5-6.5	0	0	0	0
	9-65	---	---	4.5-5.5	0	0	0	0
ObB:								
Ochlockonee-----	0-4	---	---	4.5-6.5	0	0	0	0
	4-32	---	---	4.5-5.5	0	0	0	0
	32-60	---	---	4.5-5.5	0	0	0	0
Riverview-----	0-10	3.0-12	---	4.5-6.5	0	0	0	0
	10-35	---	4.0-10	4.5-6.0	0	0	0	0
	35-60	---	2.0-6.0	4.5-6.0	0	0	0	0
OcB:								
Ocilla-----	0-26	---	1.0-3.0	4.5-5.5	0	0	0	0
	26-58	---	3.0-6.0	4.5-5.5	0	0	0	0
	58-65	---	3.0-7.0	4.5-5.5	0	0	0	0
Jedburg-----	0-14	---	2.0-4.0	4.5-6.0	---	---	0	---
	14-65	---	4.0-6.0	4.5-6.0	---	---	0	---
OkB:								
Okolona-----	0-6	---	---	6.6-8.4	---	---	0	---
	6-60	---	---	6.6-8.4	---	---	0	---
OtC:								
Oktibbeha-----	0-5	25-50	---	4.5-7.3	0	0	0	0
	5-60	---	30-60	3.5-6.5	0-5	0	0	0
	60-75	45-70	---	6.6-8.4	10-35	0	0	0
Pt:								
Pits-----	0-60	---	---	---	---	---	0	---
SaD:								
Saffell-----	0-5	---	5.0-15	4.5-5.5	0	0	0	0
	5-10	---	5.0-20	4.5-5.5	0	0	0	0
	10-42	---	10-20	4.5-5.5	0	0	0	0
	42-60	---	5.0-15	4.5-5.5	0	0	0	0
SbB:								
Saffell-----	0-6	---	5.0-15	4.5-5.5	0	0	0	0
	6-44	---	10-20	4.5-5.5	0	0	0	0
	44-65	---	5.0-15	4.5-5.5	0	0	0	0
Maubila-----	0-2	---	---	3.6-5.5	---	---	0	---
	2-52	---	---	3.6-5.5	---	---	0	---
	52-65	---	---	3.6-5.5	---	---	0	---

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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	
ScB:								
Smithdale-----	0-11	---	---	4.5-5.5	---	---	0	---
	11-51	---	---	4.5-5.5	---	---	0	---
	51-65	---	---	4.5-5.5	---	---	0	---
ScD:								
Smithdale-----	0-10	---	---	4.5-5.5	---	---	0	---
	10-42	---	---	4.5-5.5	---	---	0	---
	42-65	---	---	4.5-5.5	---	---	0	---
SdA:								
Subran-----	0-6	5.0-15	---	4.5-6.5	0	0	0	0
	6-33	---	10-25	4.5-6.0	0	0	0	0
	33-65	---	10-25	4.5-6.0	0	0	0	0
SdB:								
Subran-----	0-5	5.0-20	---	4.5-6.5	0	0	0	0
	5-22	---	10-25	4.5-6.0	0	0	0	0
	22-75	---	10-25	4.5-6.0	0	0	0	0
SeA:								
Sucarnoochee-----	0-16	---	---	6.6-8.4	---	---	0	---
	16-54	---	---	6.6-8.4	---	---	0	---
	54-60	---	---	6.6-8.4	---	---	0	---
SfB:								
Suffolk-----	0-16	---	---	3.6-6.0	0	0	0	0
	16-53	---	---	3.6-6.0	0	0	0	0
	53-65	---	---	3.6-6.0	0	0	0	0
SmB:								
Sumter-----	0-7	---	---	6.6-8.4	---	0	0	0
	7-30	---	---	7.4-8.4	---	0	0	0
	30-80	---	---	---	---	---	---	---
SnD2:								
Sumter-----	0-4	---	---	6.6-8.4	---	0	0	0
	4-28	---	---	7.4-8.4	---	0	0	0
	28-80	---	---	---	---	---	---	---
SoB2:								
Sumter-----	0-6	---	---	6.6-8.4	---	0	0	0
	6-38	---	---	7.4-8.4	---	0	0	0
	38-80	---	---	---	---	---	---	---
Oktribbeha-----	0-4	25-50	---	4.5-7.3	0	0	0	0
	4-56	---	35-50	3.5-5.5	0	0	0	0
	56-65	45-70	---	6.6-8.4	10-35	0	0	0
SoD2:								
Sumter-----	0-3	---	---	6.6-8.4	---	0	0	0
	3-18	---	---	7.4-8.4	---	0	0	0
	18-34	---	---	7.4-8.4	---	0	0	0
	34-80	---	---	---	---	---	---	---
Oktribbeha-----	0-3	25-50	---	4.5-7.3	0	0	0	0
	3-35	---	35-50	3.5-5.5	0	0	0	0
	35-60	45-70	---	6.6-8.4	10-35	0	0	0
VaA:								
Vaiden-----	0-6	30-60	---	4.5-6.5	0	0	0	0
	6-23	30-60	---	4.5-6.5	0	0	0	0
	23-72	45-70	---	6.6-8.4	2-10	0	0	0

Chemical Properties of the Soils, cont.

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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	
VaB:								
Vaiden-----	0-5	30-60	---	4.5-6.5	0	0	0	0
	5-21	30-60	---	4.5-6.5	0	0	0	0
	21-60	45-70	---	6.6-8.4	2-10	0	0	0