

Chemical Properties of the Soils
Lee 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	
2: Appling-----	0-8	---	---	4.5-6.5	0	0	0	0
	8-35	---	---	4.5-5.5	0	0	0	0
	35-54	---	---	4.5-5.5	0	0	0	0
	54-60	---	---	---	---	---	---	---
3: Appling-----	0-7	---	---	4.5-6.5	0	0	0	0
	7-29	---	---	4.5-5.5	0	0	0	0
	29-44	---	---	4.5-5.5	0	0	0	0
	44-60	---	---	---	---	---	---	---
4: Blanton-----	0-48	---	1.0-8.0	4.5-6.0	0	0	0.0-2.0	0
	48-56	---	5.0-10	4.5-5.5	0	0	0.0-2.0	0
	56-99	---	5.0-10	4.5-5.5	0	0	0.0-2.0	0
5: Blanton-----	0-56	---	1.0-8.0	4.5-6.0	0	0	0.0-2.0	0
	56-70	---	5.0-10	4.5-5.5	0	0	0.0-2.0	0
6: Cartecay-----	0-7	6.0-12	---	5.1-6.5	0	0	0	0
	7-65	6.0-14	---	5.1-6.5	0	0	0	0
	65-69	6.0-12	---	5.1-6.5	0	0	0	0
7: Cecil-----	0-4	---	---	4.5-6.5	0	0	0	0
	4-60	---	---	4.5-5.5	0	0	0	0
	60-70	---	---	---	0	0	---	0
8: Cecil-----	0-6	---	---	4.5-6.5	0	0	0	0
	6-60	---	---	4.5-5.5	0	0	0	0
	60-70	---	---	---	0	0	---	0
9: Cecil-----	0-7	---	---	4.5-6.5	0	0	0	0
	7-57	---	---	4.5-5.5	0	0	0	0
	57-70	---	---	---	0	0	---	0
10: Cecil-----	0-8	---	---	4.5-6.5	0	0	0	0
	8-48	---	---	4.5-5.5	0	0	0	0
	48-60	---	---	---	0	0	---	0
11: Cowarts-----	0-15	---	1.0-5.0	4.5-5.5	0	0	0	0
	15-20	---	2.0-10	4.5-5.5	0	0	0	0
	20-34	---	2.0-10	4.5-5.5	0	0	0	0
	34-80	---	2.0-8.0	4.5-5.5	0	0	0	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	
12: Cowarts-----	0-6	---	1.0-5.0	4.5-5.5	0	0	0	0
	6-37	---	2.0-10	4.5-5.5	0	0	0	0
	37-60	---	2.0-8.0	4.5-5.5	0	0	0	0
13: Cowarts-----	0-9	---	1.0-5.0	4.5-5.5	0	0	0	0
	9-28	---	2.0-10	4.5-5.5	0	0	0	0
	28-60	---	2.0-8.0	4.5-5.5	0	0	0	0
14: Durham-----	0-10	---	---	4.5-6.0	---	---	0	---
	10-59	---	---	4.5-5.5	---	---	0	---
	59-85	---	---	4.5-5.5	---	---	0	---
15: Enoree-----	0-9	6.0-15	---	5.1-7.3	---	---	0	---
	9-60	4.0-15	---	5.1-7.3	---	---	0	---
	60-64	2.0-12	---	5.1-7.3	---	---	0	---
16: Gwinnett-----	0-8	3.0-5.0	---	5.1-6.5	---	---	0	---
	8-39	4.0-8.0	---	5.1-6.5	---	---	0	---
	39-50	---	---	---	---	---	---	---
17: Gwinnett-----	0-4	3.0-5.0	---	5.1-6.5	---	---	0	---
	4-25	4.0-8.0	---	5.1-6.5	---	---	0	---
	25-40	---	---	---	---	---	---	---
18: Gwinnett-----	0-4	3.0-5.0	---	5.1-6.5	---	---	0	---
	4-33	4.0-8.0	---	5.1-6.5	---	---	0	---
	33-50	---	---	---	---	---	---	---
19: Hiwassee-----	0-4	2.0-3.0	---	4.5-6.5	0	0	0	0
	4-48	4.0-10	---	4.5-6.5	0	0	0	0
	48-80	2.0-6.0	---	4.5-6.5	0	0	0	0
20: Hiwassee-----	0-8	2.0-3.0	---	4.5-6.5	0	0	0	0
	8-54	4.0-10	---	4.5-6.5	0	0	0	0
	54-80	2.0-6.0	---	4.5-6.5	0	0	0	0
21: Kinston-----	0-4	---	3.0-11	4.5-6.0	0	0	0	0
	4-47	---	3.0-10	4.5-5.5	0	0	0	0
	47-55	---	---	---	---	---	---	---
22: Louisburg-----	0-8	---	---	4.5-6.0	---	---	0	---
	8-31	---	---	4.5-6.0	---	---	0	---
	31-40	---	---	---	---	---	---	---
23: Marlboro-----	0-8	0.5-2.0	---	5.1-6.5	---	---	0	---
	8-53	---	7.0-13	4.5-6.0	---	---	0	---
	53-90	---	6.0-12	4.5-6.0	---	---	0	---
24: Marvyn-----	0-7	---	---	4.5-6.0	---	---	0	---
	7-30	---	---	4.5-6.0	---	---	0	---
	30-53	---	---	4.5-6.0	---	---	0	---
	53-72	---	---	4.5-6.0	---	---	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	
25: Marvyn-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-47	---	---	4.5-6.0	---	---	0	---
	47-68	---	---	4.5-6.0	---	---	0	---
26: Marvyn-----	0-7	---	---	4.5-6.0	---	---	0	---
	7-30	---	---	4.5-6.0	---	---	0	---
	30-53	---	---	4.5-6.0	---	---	0	---
	53-72	---	---	4.5-6.0	---	---	0	---
Urban Land-----	0-6	---	---	---	---	---	0	---
27: Mecklenburg-----	0-7	---	---	5.6-7.3	---	---	0	---
	7-41	---	---	5.6-7.3	---	---	0	---
	41-45	---	---	---	---	---	---	---
28: Orangeburg-----	0-7	---	0.5-1.5	4.5-6.0	0	0	0	0
	7-17	---	2.0-3.0	4.5-6.0	0	0	0	0
	17-30	---	2.5-4.0	4.5-5.5	0	0	0	0
	30-70	---	2.0-3.0	4.5-5.5	0	0	0	0
29: Orangeburg-----	0-6	---	0.5-1.5	4.5-6.0	0	0	0	0
	6-19	---	2.0-3.0	4.5-6.0	0	0	0	0
	19-32	---	2.5-4.0	4.5-5.5	0	0	0	0
	32-65	---	2.0-3.0	4.5-5.5	0	0	0	0
30: Orangeburg-----	0-10	---	0.5-1.5	4.5-6.0	0	0	0	0
	10-60	---	2.5-4.0	4.5-5.5	0	0	0	0
	60-64	---	2.0-3.0	4.5-5.5	0	0	0	0
31: Pacolet-----	0-6	4.0-7.0	---	4.5-6.5	0	0	0	0
	6-33	---	6.0-18	4.5-6.0	0	0	0	0
	33-60	---	4.0-10	4.5-6.0	0	0	0	0
32: Pacolet-----	0-3	4.0-7.0	---	4.5-6.5	0	0	0	0
	3-34	---	6.0-18	4.5-6.0	0	0	0	0
	34-40	---	5.0-12	4.5-6.0	0	0	0	0
33: Pacolet-----	0-6	4.0-7.0	---	4.5-6.5	0	0	0	0
	6-29	---	6.0-18	4.5-6.0	0	0	0	0
	29-60	---	4.0-10	4.5-6.0	0	0	0	0
34: Pacolet-----	0-6	4.0-7.0	---	4.5-6.5	0	0	0	0
	6-33	---	6.0-18	4.5-6.0	0	0	0	0
	33-60	---	4.0-10	4.5-6.0	0	0	0	0
Urban Land-----	0-6	---	---	---	---	---	0	---
35: Pits-----	0-60	---	---	---	---	---	0	---
36: Sacul-----	0-8	---	3.0-10	4.5-6.0	0	0	0	0
	8-26	---	20-45	3.6-5.5	0	0	0	0
	26-60	---	15-40	3.6-5.5	0	0	0	0

