

**Agricultural Service Laboratory
Clemson University
2013 Annual Report**

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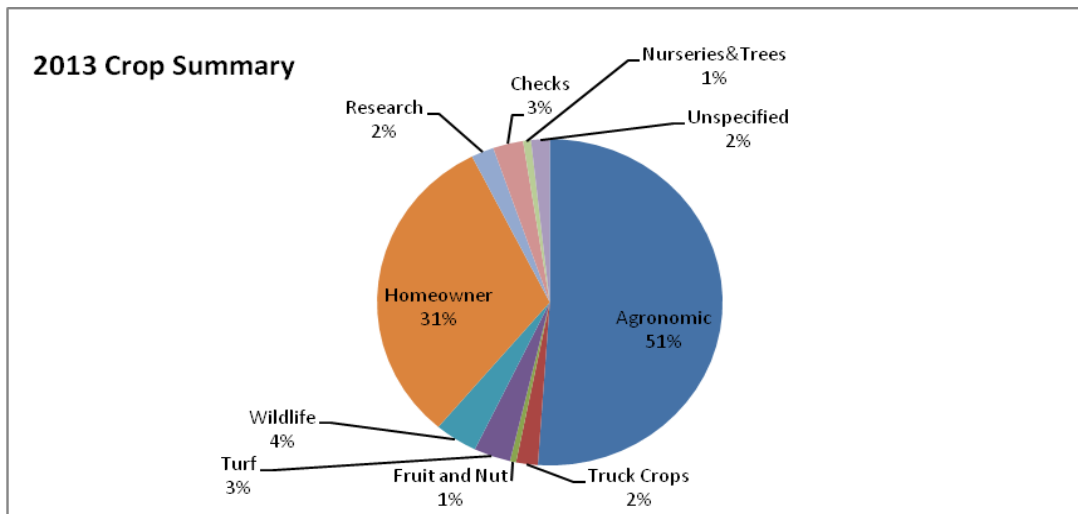
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Soil

Counties	Sample Number Totals	Large Area Crop Codes	Small Area Crop Codes	Diagnostic Reports
Abbeville	242	158	83	1
Aiken	1899	596	1303	0
Allendale	220	148	72	0
Anderson	770	420	350	0
Bamberg	2118	2087	31	0
Barnwell	427	368	59	0
Beaufort	1464	315	1147	2
Berkeley	330	106	224	0
Calhoun	1473	1315	115	43
Charleston	1915	318	1592	5
Cherokee	208	135	73	0
Chester	370	333	37	0
Chesterfield	240	186	53	1
Clarendon	397	336	60	1
Colleton	501	343	158	0
Darlington	960	691	269	0
Dillon	222	178	44	0
Dorchester	633	324	308	1
Edgefield	208	160	37	11
Fairfield	108	76	32	0
Florence	971	428	542	1
Georgetown	1091	694	396	1
Greenville	2082	483	1585	14
Greenwood	408	160	248	0
Hampton	2561	2440	117	4
Horry	1749	632	1114	3
Jasper	414	158	256	0
Kershaw	1118	628	256	234
Lancaster	372	252	120	0
Laurens	345	218	127	0

Lee	585	522	61	2
Lexington	2641	1036	1542	63
Marion	334	298	35	1
Marlboro	108	60	48	0
McCormick	75	29	46	0
Newberry	1283	1056	227	0
Oconee	454	203	250	1
Orangeburg	523	354	169	0
Pickens	392	131	261	0
Richland	1963	302	1650	11
Saluda	441	378	59	4
Spartanburg	1191	483	703	5
Sumter	1120	609	510	1
Union	246	179	67	0
Williamsburg	201	156	44	1
York	801	363	436	2
Prepaid	1503	748	690	65
Accounts	13242	11978	754	510
Research	1196	469	116	611
Checks & Blanks	1601	5	1	1595
Total Samples Analyzed	55716	34045	18477	3194



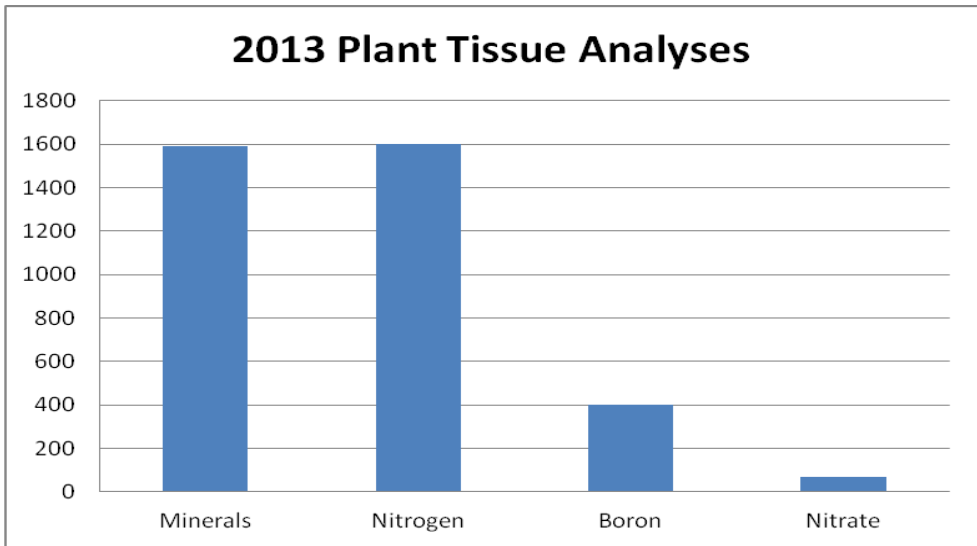
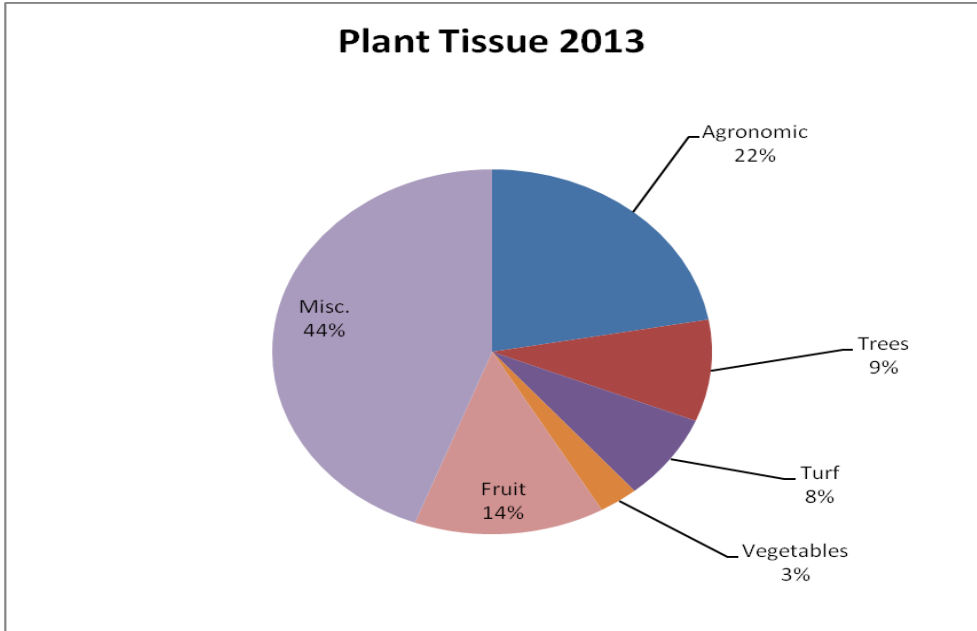
Other Soil Analyses	Total
Organic Matter	594
Nitrate Nitrogen	1030
Soluble Salts	174
Extractable Sulfate Sulfur	85
pH Only	30
Pond Bottom	62
Shrimp Pond	0
Soilless Mixes	164
Bulk Density	5

Plant Tissue

Counties	Total
Abbeville	5
Aiken	7
Anderson	9
Barnwell	9
Beaufort	3
Berkeley	2
Charleston	1
Cherokee	1
Chester	6
Clarendon	11
Colleton	2
Darlington	1
Dorchester	1
Edgefield	78
Florence	2
Georgetown	1
Greenwood	4
Hampton	42
Horry	26
Lancaster	3
Laurens	4
Lee	3
Lexington	24
Newberry	9
Orangeburg	16
Pickens	1
Richland	3
Saluda	7
Spartanburg	76
Sumter	2
Sub Total	360
Prepaid	106
Accounts	447
Research	1176
Total Samples Analyzed	2089

Crop	Total
Alfalfa	2
Canola	1
Corn Leaf	134
Corn Whole	29
Cotton	104
Grain Sorghum	34
Peanuts	4
Small Grain	105
Coastal Bermuda Hay	1
Tobacco	46
Total Agronomic	460
Deciduous	185
Evergreen	2
Total Trees	187
Azaleas	1
Chrysanthemum	4
Lily	9
Total Ornamental	14
Centipede	3
Zoysia	2
Bentgrass	87
Bermudagrass	63
St Augustine	3
Total Turf	158
Broccoli	1
Brussel Sprouts	8
Cantaloupe	1
Cabbage	2
Collards	1
Cucumbers	2
Lettuce	8
Onions	2
Snap Beans	2
Sweet Corn	10
Tomatoes, Greenhouse	23
Turnips	3
Total Vegetables	60
Blueberries	6
Grapes – Muscadine	2
Strawberries	110

Peaches	56
Pears	4
Pecans	3
Plums	1
Watermelon	109
Total Fruit and Nuts	291
Misc.	919
Total All	2089

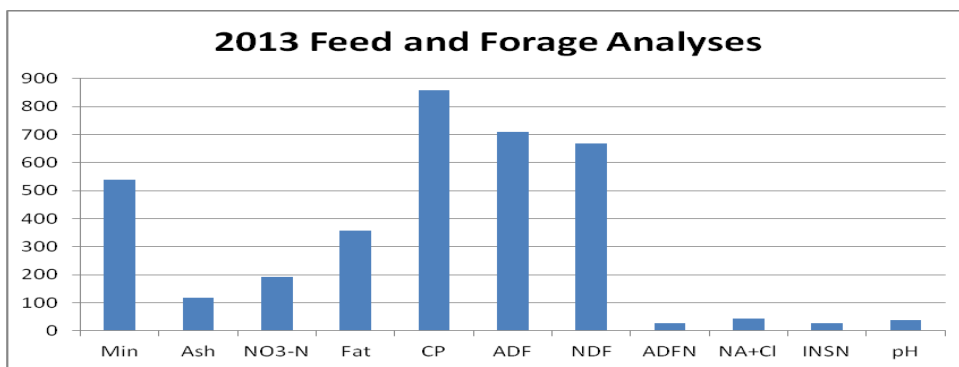
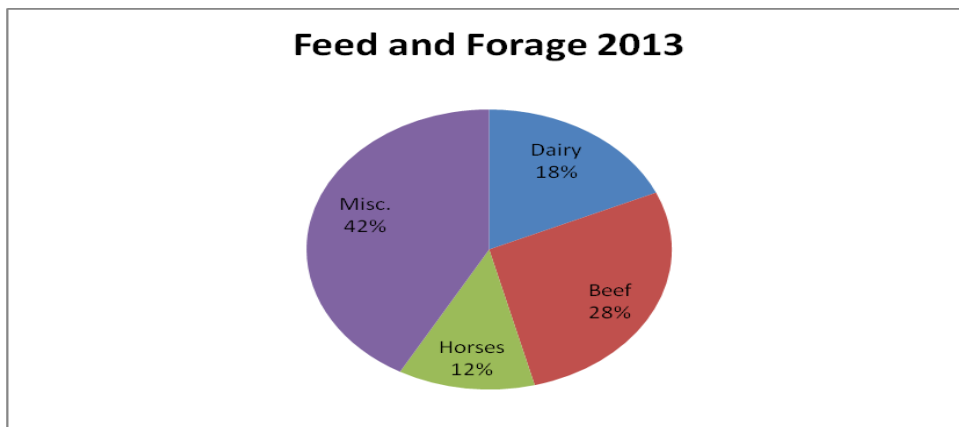


Minerals include phosphorus, potassium, calcium, magnesium, zinc, copper, manganese, iron, sulfur sodium, and aluminum.

Feed and Forage

Counties	Total
Abbeville	1
Aiken	26
Allendale	14
Anderson	7
Berkeley	1
Calhoun	8
Cherokee	2
Chester	6
Chesterfield	16
Clarendon	5
Darlington	9
Dorchester	2
Florence	21
Greenville	3
Greenwood	35
Hampton	4
Horry	15
Kershaw	24
Lancaster	4
Laurens	9
Lee	13
Lexington	8
Newberry	33
Oconee	1
Orangeburg	4
Pickens	8
Richland	9
Saluda	23
Spartanburg	14
Sumter	4
Union	5
York	4
Sub Total	340
Prepaid	137
Accounts	362
Research	253
Total Samples Analyzed	1102

Total	Feed Type
161	Hay Bermuda
22	Hay Fescue
24	Hay Legume
1	Hay Sorghum
88	Hay Mixed
11	Hay Small Grain
90	Pasture Grass
10	Silage Corn
43	Silage Sorghum
10	Silage Legume
17	Silage Small Grain
96	Silage Grass
6	Grain Mixed
10	Grain Corn
2	Grain oats
1	Mixed Ration-grass
1	Mixed Ration-Sm Grain
378	Other
131	Complete Feed
1102	Total

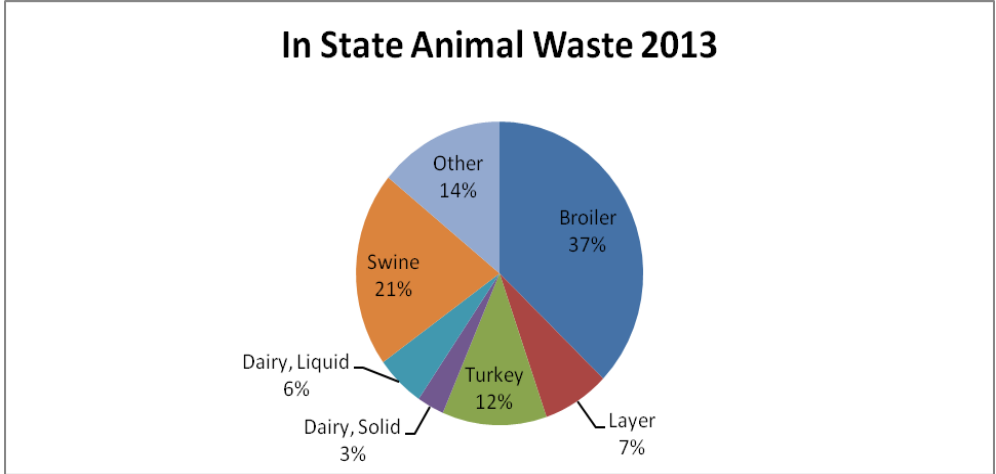


Min includes phosphorus, potassium, calcium, magnesium, zinc, copper, manganese, iron, and sulfur.

Animal Waste

Counties	Total
Abbeville	2
Aiken	30
Anderson	9
Bamberg	25
Barnwell	24
Calhoun	14
Charleston	5
Cherokee	6
Chester	13
Chesterfield	18
Clarendon	33
Darlington	15
Dillon	16
Dorchester	9
Edgefield	5
Florence	6
Georgetown	10
Greenwood	5
Hampton	3
Horry	14
Kershaw	23
Lancaster	13
Laurens	13
Lee	53
Lexington	81
Marion	7
Marlboro	14
Newberry	54
Oconee	19
Orangeburg	38
Pickens	1
Richland	7
Saluda	34
Spartanburg	7
Sumter	9
Union	2
York	6
Sub Total	643
Prepaid	173
Accounts	39

Research	3
Virginia Contract	811
Total Samples Analyzed	1669



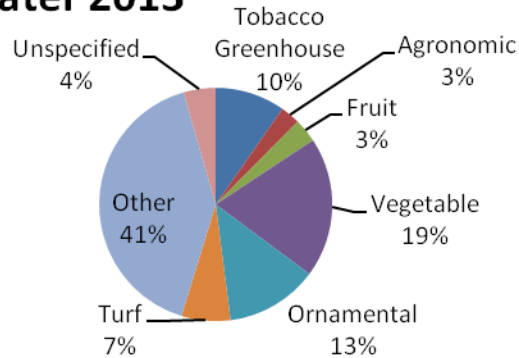
In State Animal Waste Analyses	Total
Routine	854
Nitrate Nitrogen	53
Arsenic	9
CCE	25
pH	51
Soluble P	39

Irrigation Water

Counties	Total
Abbeville	3
Beaufort	9
Berkeley	1
Calhoun	3
Charleston	71
Chester	1
Clarendon	9
Colleton	7
Dillon	4
Dorchester	1
Edgefield	1
Georgetown	9
Greenville	3
Hampton	3
Horry	30
Jasper	2
Laurens	1
Lexington	1
Newberry	1
Orangeburg	1
Pickens	2
Richland	5
Spartanburg	10
Sumter	7
Williamsburg	14
Sub Total	199
PrePaid	272
Accounts	72
Research	1
Total Samples Analyzed	544

Irrigation Water Analyses	Total
Special (pH, EC, P, K, Ca, Mg, Fe, Zn, Cu, Mn, Na, Cl, B, S, NO3-N, HCO3, and CO3)	504

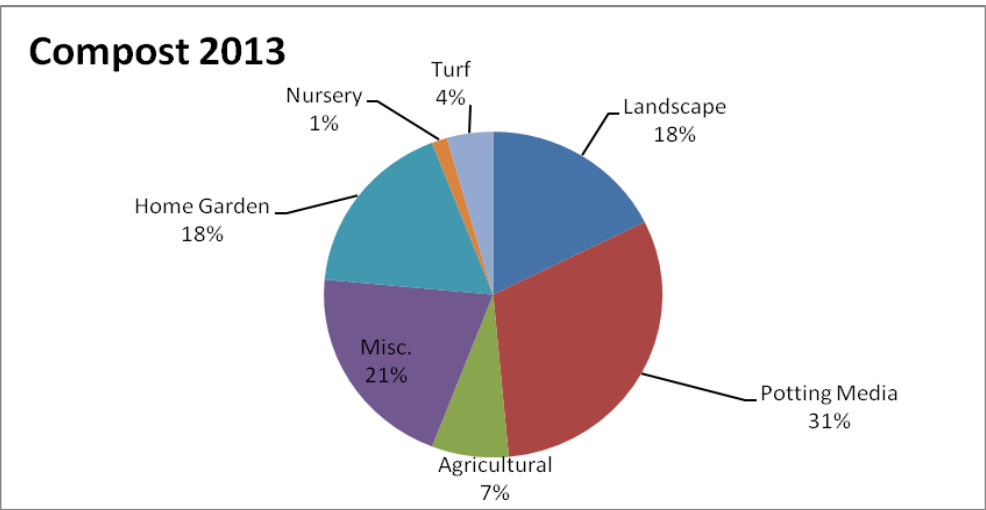
Irrigation Water 2013



Compost

	Total
PrePaid	3
County	31
Research	24
Total	68

Compost Analyses	Total
Standard (Moisture, N, C, pH, OM, EC)	29
Special (Moisture, N, C, pH, OM, EC, NH ₄ -N, P, K, Ca, Mg, S, Zn, Cu, Mn, Fe, Na)	33
Carbon/Nitrogen only	5
Nitrate Nitrogen	2
Bulk Density	13



Other

Sample Type	Total Samples	Various Analyses
Total solutions and other materials	5032	P, K, Ca, Mg, Zn, Cu, Mn, Fe, S, Al, B, Cd, Cr, Se, Mo, Ni, As, Si, Ag, Ce, NH4-N, TKN, Ash, other

National Exchange Programs

- A. The Association of American Feed Control Officials submits one sample monthly for analysis of protein, minerals, fat, ash, acid detergent fiber and neutral detergent fiber.
- B. The National Manure Analysis Proficiency Program submits samples quarterly for analysis of NH₄-N, total N, minerals, and dry matter. The Ag Service Lab is a certified manure testing lab.
- C. The Agricultural Service Laboratory is a member and certified as a participant of the Agriculture Laboratory Proficiency Program for Soil, Plant, and Water Analysis Laboratories which provides quarterly exchanges of plant, soil, and water samples.

