

**Agricultural Service Laboratory
Clemson University
2014 Annual Report**

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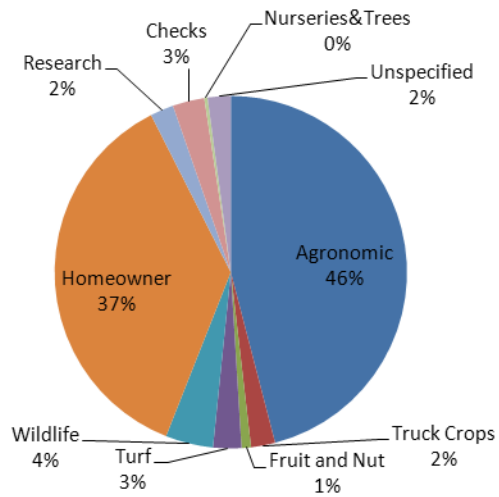
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Soil

Counties	Sample Number Totals	Large Area Crop Codes	Small Area Crop Codes	Diagnostic Reports
Abbeville	226	166	58	2
Aiken	1997	564	1433	0
Allendale	97	85	12	0
Anderson	824	349	475	0
Bamberg	2590	2554	35	1
Barnwell	472	430	42	0
Beaufort	1357	298	1059	0
Berkeley	274	77	196	1
Calhoun	1018	871	92	55
Charleston	1574	274	1297	3
Cherokee	184	139	45	0
Chester	330	258	60	12
Chesterfield	207	133	72	2
Clarendon	306	214	92	0
Colleton	582	420	159	3
Darlington	1016	642	372	2
Dillon	238	108	130	0
Dorchester	727	263	464	0
Edgefield	262	183	77	2
Fairfield	79	51	28	0

Florence	889	453	436	0
Georgetown	696	290	400	6
Greenville	2204	654	1533	17
Greenwood	554	259	295	0
Hampton	3196	3101	95	0
Horry	1455	366	1088	1
Jasper	368	105	262	1
Kershaw	1005	712	236	57
Lancaster	305	175	130	0
Laurens	502	310	182	10
Lee	600	533	67	0
Lexington	2769	1234	1510	25
Marion	412	358	54	0
Marlboro	148	99	49	0
McCormick	68	25	43	0
Newberry	1030	843	185	2
Oconee	371	146	223	2
Orangeburg	439	256	182	1
Pickens	422	126	294	2
Richland	2296	466	1816	14
Saluda	551	507	44	0
Spartanburg	1404	667	728	9
Sumter	1462	565	897	0
Union	250	152	98	0
Williamsburg	433	389	43	1
York	779	452	298	29
Prepaid	1273	674	493	106
Accounts	10918	10095	695	128
Research	1158	572	270	316
Checks & Blanks	1571	1	5	1565
Total Samples Analyzed	53888	32664	18849	2375

2014 Crop Summary



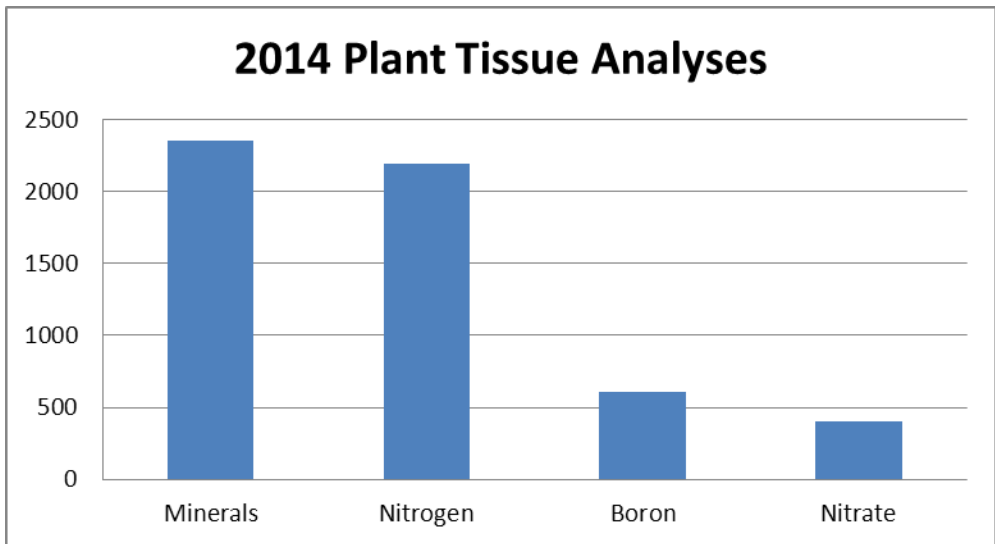
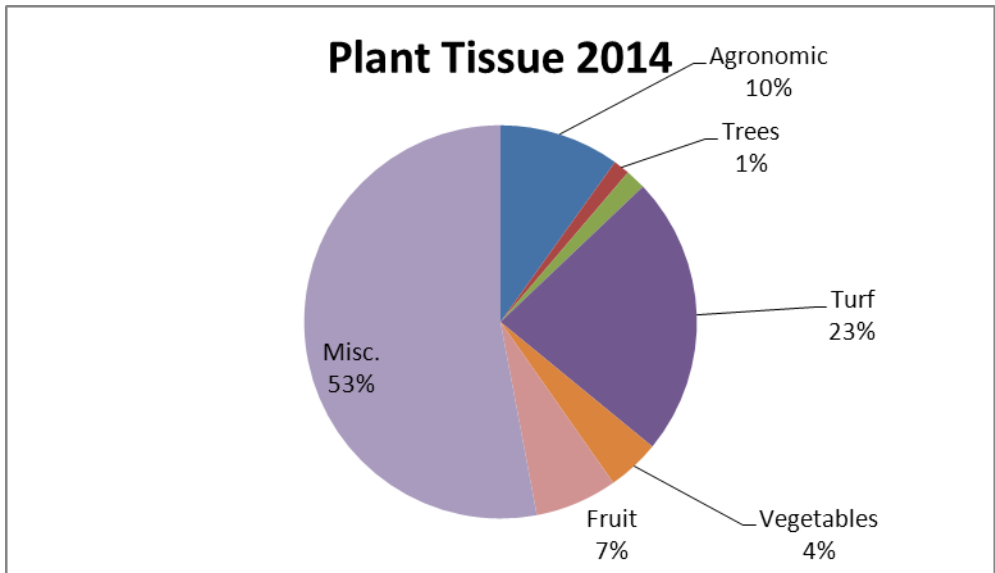
Other Soil Analyses	Total
Organic Matter	821
Nitrate Nitrogen	581
Soluble Salts	233
Extractable Sulfate Sulfur	90
pH Only	19
Pond Bottom	52
Shrimp Pond	0
Soilless Mixes	103
Bulk Density	28

Plant Tissue

Counties	Total
Abbeville	2
Aiken	4
Anderson	12
Bamberg	3
Barnwell	23
Beaufort	1
Calhoun	12
Chester	6
Clarendon	15
Colleton	1
Dillon	2
Darlington	4
Dorchester	3
Edgefield	116
Florence	1
Georgetown	3
Greenwood	5
Hampton	31
Horry	9
Kershaw	1
Lancaster	3
Lee	3
Lexington	58
Marion	6
Newberry	8
Oconee	3
Orangeburg	4
Richland	3
Saluda	5
Spartanburg	92
Sumter	5
Prepaid	48
Accounts	508
Research	2356
Total Samples Analyzed	2817

Crop	Total
Soybean	20
Corn Leaf	21
Corn Whole	85
Cotton	91
Grain Sorghum	28
Peanuts	5
Small Grain	24
Coastal Bermuda Hay	2
Tobacco	3
Total Agronomic	279
Deciduous	30
Evergreen	2
Fraser Fir	6
Total Trees	38
Poinsettia	1
Roses	1
Azaleas	14
Chrysanthemum	25
Lily	6
Total Ornamental	47
Zoysia	257
Bentgrass	153
Bermudagrass	235
St Augustine	1
Bahia grass	2
Total Turf	648
Broccoli	9
Cabbage	9
Collards	2
Cucumbers	1
Lettuce	5
Sweet Corn	4
Tomatoes, Greenhouse	23
Tomatoes, Trellis	5
Turnips	1
Kale	4
Peppers	2
Spinach	54
Squash	3
Total Vegetables	122

Blueberries	10
Grapes – Muscadine	1
Strawberries	111
Peaches	46
Raspberry	2
Pecans	18
Watermelon	2
Apples	1
Total Fruit and Nuts	191
Misc.	1492
Total All	2817

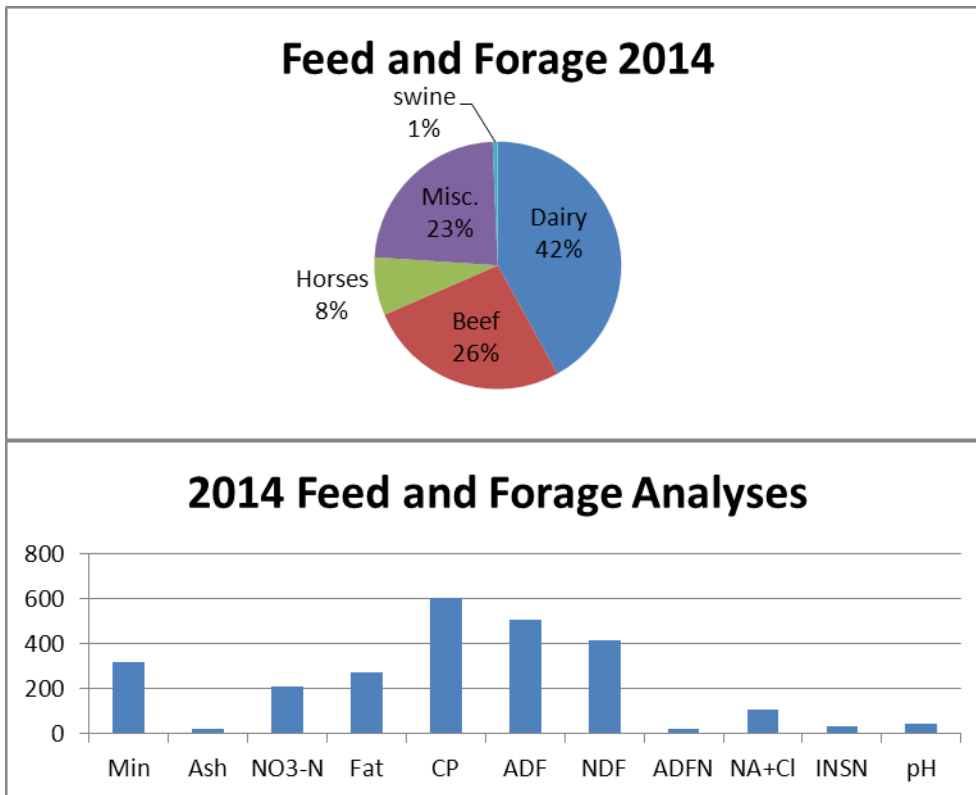


Minerals include phosphorus, potassium, calcium, magnesium, zinc, copper, manganese, iron, sulfur sodium, and aluminum.

Feed and Forage

Counties	Total
Abbeville	1
Aiken	21
Allendale	3
Anderson	26
Bamberg	2
Barnwell	2
Calhoun	1
Charleston	1
Cherokee	3
Chester	2
Chesterfield	13
Clarendon	10
Darlington	2
Dillon	14
Florence	8
Greenwood	41
Hampton	19
Horry	14
Kershaw	15
Lancaster	1
Laurens	23
Lee	3
Lexington	11
Marion	1
Newberry	20
Oconee	14
Orangeburg	7
Pickens	2
Richland	3
Saluda	38
Spartanburg	3
Sumter	3
Williamsburg	1
Prepaid	118
Accounts	152
Research	240
Total Samples Analyzed	840

Total	Feed Type
152	Hay Bermuda
24	Hay Fescue
20	Hay Legume
5	Hay Sorghum
86	Hay Mixed
53	Hay Small Grain
4	Hay Bahia
59	Pasture Grass
16	Silage Corn
9	Silage Sorghum
20	Silage Legume
16	Silage Small Grain
40	Silage Grass
10	Grain Mixed
3	Grain Corn
3	Grain oats
1	Mixed Ration-Corn
1	Gluten
1	Soybean Hulls
249	Other
67	Complete Feed
840	Total

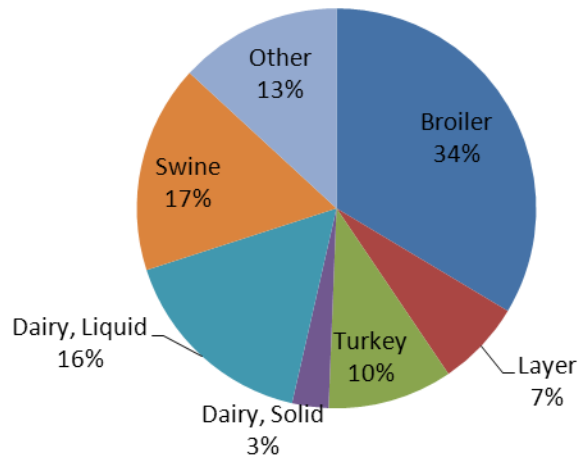


Min includes phosphorus, potassium, calcium, magnesium, zinc, copper, manganese, iron, and sulfur.

Animal Waste

Counties	Total
Abbeville	4
Aiken	29
Anderson	6
Bamberg	13
Barnwell	23
Calhoun	8
Cherokee	3
Chester	15
Chesterfield	18
Clarendon	28
Darlington	10
Dillon	15
Dorchester	11
Edgefield	2
Georgetown	5
Greenwood	3
Hampton	3
Horry	10
Kershaw	20
Lancaster	8
Laurens	10
Lee	35
Lexington	82
Marion	8
Marlboro	13
Newberry	54
Oconee	25
Orangeburg	34
Richland	6
Saluda	33
Spartanburg	14
Sumter	6
Union	1
Williamsburg	1
York	10
Prepaid	294
Accounts	30
Research	3
Virginia Contract	826
Total Samples Analyzed	1655

In State Animal Waste 2014



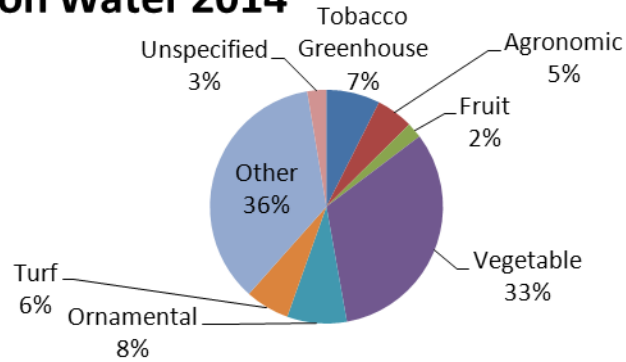
In State Animal Waste Analyses	Total
Routine Test	822
Nitrate Nitrogen	47
Arsenic	5
CCE	19
pH	66
Soluble P	40

Irrigation Water

Counties	Total
Aiken	4
Anderson	2
Barnwell	1
Beaufort	7
Calhoun	4
Charleston	86
Clarendon	15
Colleton	2
Dillon	1
Dorchester	3
Florence	4
Georgetown	23
Greenville	1
Horry	16
Kershaw	3
Lexington	9
Marion	2
Marlboro	3
Pickens	3
Richland	3
Spartanburg	4
Williamsburg	1
PrePaid	153
Accounts	242
Research	9
Total Samples Analyzed	603

Irrigation Water Analyses	Total
Special (pH, EC, P, K, Ca, Mg, Fe, Zn, Cu, Mn, Na, Cl, B, S, NO ₃ -N, HCO ₃ , and CO ₃)	558
Standard (pH plus EC)	45

Irrigation Water 2014

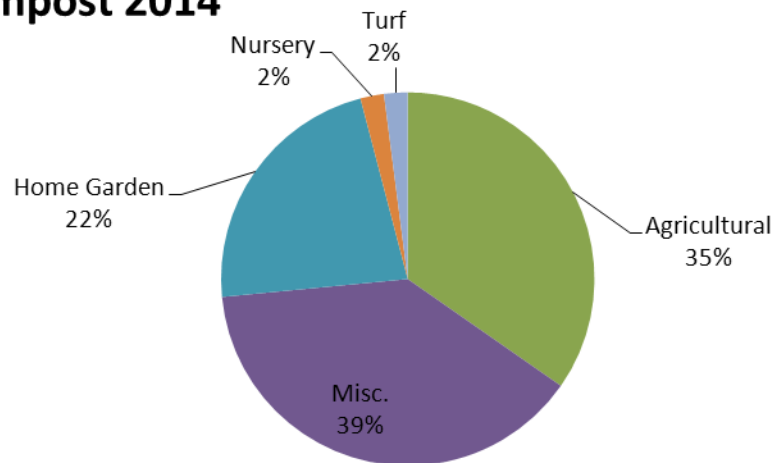


Compost

	Total
PrePaid	19
County	21
Research	8
Total	40

Compost Analyses	Total
Standard (Moisture, N, C, pH, OM, EC)	11
Special (Moisture, N, C, pH, OM, EC, NH4-N, P, K, Ca, Mg, S, Zn, Cu, Mn, Fe, Na)	33
Carbon/Nitrogen only	16
Nitrate Nitrogen	8
Bulk Density	4

Compost 2014



Other

Sample Type	Total Samples	Various Analyses
Total solutions and other materials	7617	P, K, Ca, Mg, Zn, Cu, Mn, Fe, S, Al, B, Cd, Cr, Pb, Se, Mo, Ni, As, Si, Ag, 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.