

**Agricultural Service Laboratory
Clemson University
2012 Annual Report**

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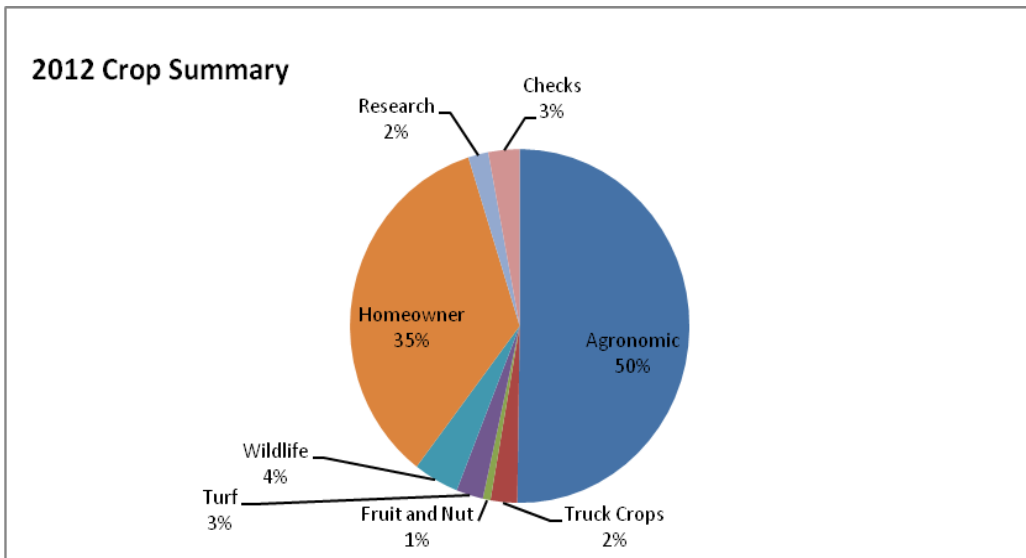
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Soil

Counties	Sample Number Totals	Large Area Crop Codes	Small Area Crop Codes	Diagnostic Reports
Abbeville	300	175	106	19
Aiken	1817	480	1335	2
Allendale	223	199	24	0
Anderson	840	378	460	2
Bamberg	2535	2495	40	0
Barnwell	401	345	56	0
Beaufort	1150	204	940	6
Berkeley	454	152	301	1
Calhoun	838	714	119	5
Charleston	2053	453	1576	24
Cherokee	231	144	86	1
Chester	296	256	40	0
Chesterfield	221	157	64	0
Clarendon	383	286	91	6
Colleton	476	300	176	0
Darlington	807	591	214	2

Dillon	148	108	40	0
Dorchester	754	327	423	4
Edgefield	165	126	39	0
Fairfield	130	71	56	3
Florence	1024	501	523	0
Georgetown	1540	1068	465	7
Greenville	2188	619	1565	4
Greenwood	559	267	290	2
Hampton	2296	2144	148	4
Horry	2000	749	1190	61
Jasper	282	156	126	0
Kershaw	1189	729	226	234
Lancaster	527	320	196	11
Laurens	455	275	179	1
Lee	652	578	74	0
Lexington	3025	1386	1613	26
Marion	320	265	55	0
Marlboro	125	89	36	0
McCormick	61	16	45	0
Newberry	1262	1051	210	1
Oconee	519	251	263	5
Orangeburg	593	427	166	0
Pickens	444	109	335	0
Richland	1981	411	1515	55
Saluda	460	391	67	2
Spartanburg	1239	506	728	5
Sumter	1485	714	770	1

Union	357	263	94	0
Williamsburg	132	101	31	0
York	1045	651	391	3
Prepaid	1262	538	684	40
Accounts	10751	10023	573	155
Research	1043	599	108	336
Checks & Blanks	1615	2	2	1611
Total Samples Analyzed	54653	33160	18854	2639



Other Soil Analyses	Total
Organic Matter	454
Nitrate Nitrogen	722
Soluble Salts	235
Extractable Sulfate Sulfur	11
pH Only	30
Pond Bottom	75
Shrimp Pond	2
Soilless Mixes	77
Bulk Density	1

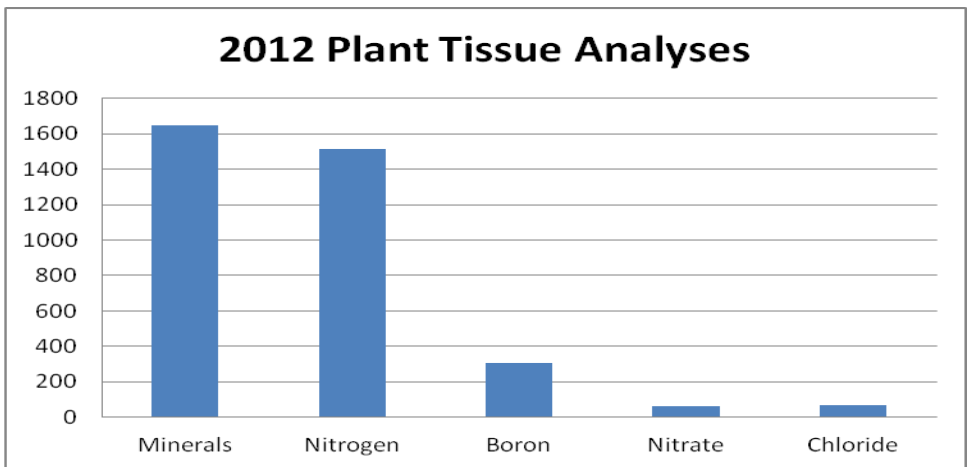
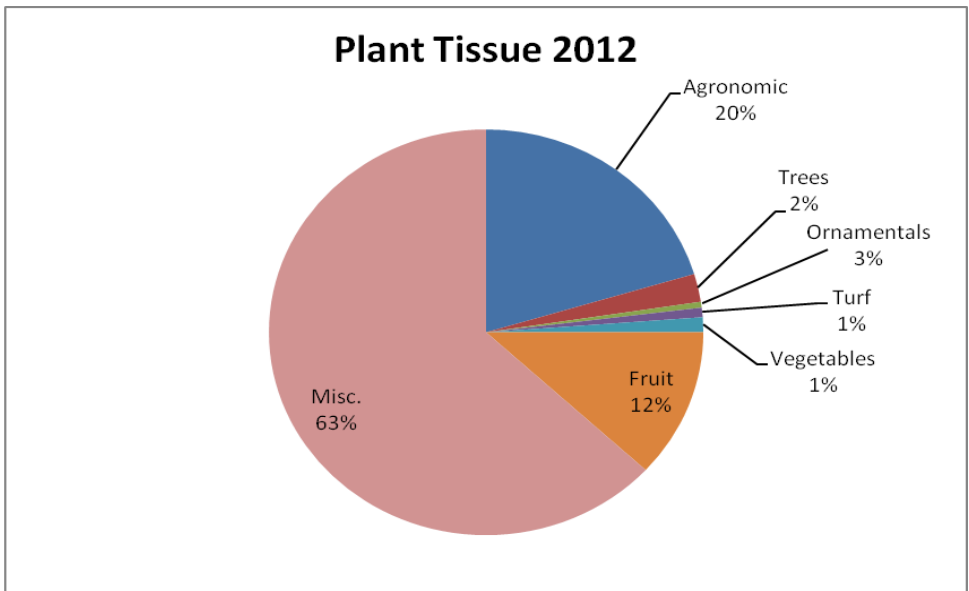
Plant Tissue

Counties	Total
Abbeville	4
Aiken	8
Anderson	4
Bamberg	4
Barnwell	7
Beaufort	9
Calhoun	17
Charleston	6
Cherokee	1
Chester	3
Clarendon	2
Colleton	3
Darlington	4
Dorchester	5
Edgefield	26
Florence	6
Greenville	9
Greenwood	4
Hampton	5
Horry	2
Lancaster	1
Lexington	26
Marion	5
McCormick	1
Newberry	2
Oconee	4
Orangeburg	3
Richland	3
Saluda	12

Spartanburg	91
Williamsburg	24
York	2
Sub Total	303
Prepaid	18
Accounts	710
Research	1308
Total Samples Analyzed	2339

Crop	Total
Alfalfa	4
Corn Leaf	60
Corn Whole	322
Cotton	25
Grain Sorghum	2
Small Grain	24
Coastal Bermuda Hay	2
Tobacco	43
Total Agronomic	482
Deciduous	52
Evergreen	1
Total Trees	53
Azaleas	1
Roses	10
Total Ornamental	11
Centipede	2
Cool Season Grass	3
Fescue	1
Zoysia	1
Bentgrass	1
Bermudagrass	6
St Augustine	4
Total Turf	18
Beets	1
Collards	2
Cucumbers	2
Lettuce	8
Kale	1
Snap Beans	1
Tomatoes, Greenhouse	9

Tomatoes, Trellis	1
Turnips	3
Total Vegetables	28
Blueberries	3
Grapes – Muscadine	1
Strawberries	113
Peaches	113
Pecans	21
Plums	1
Fruit and nuts	252
Misc.	1495
Total All	2339



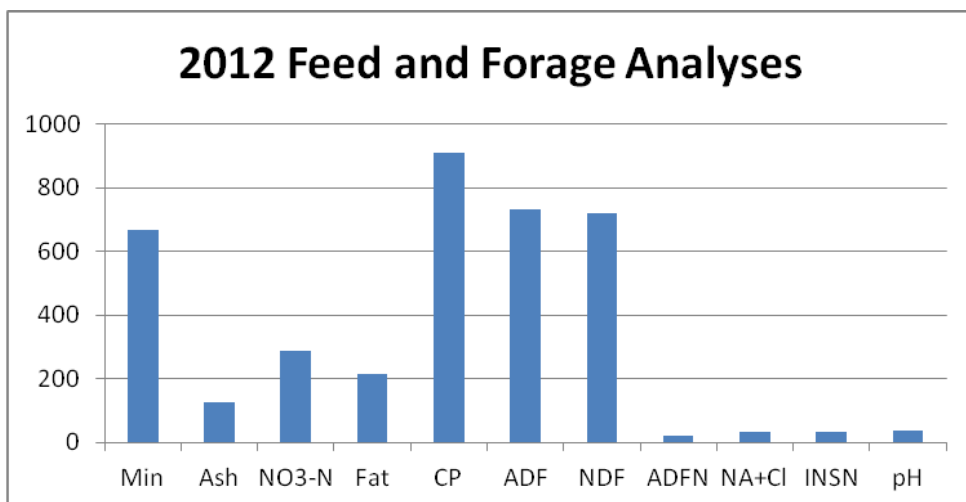
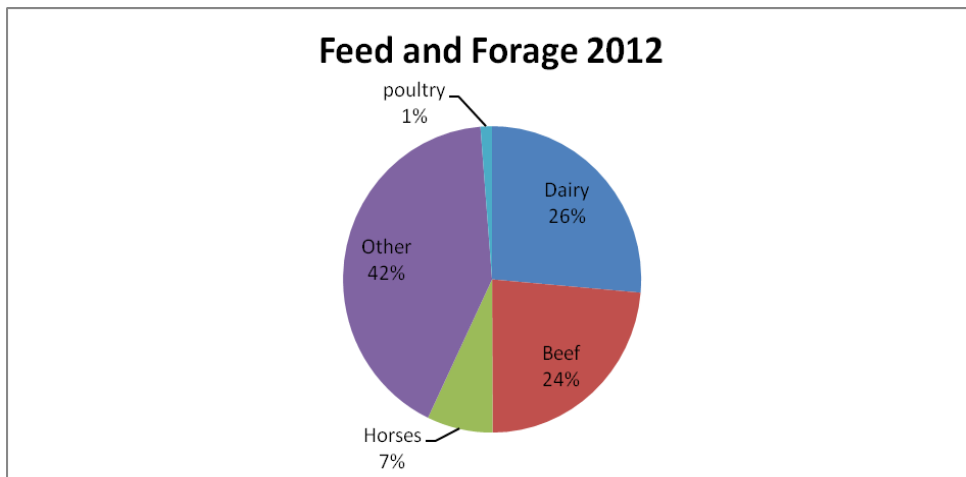
Minerals include phosphorus, potassium, calcium, magnesium, zinc, copper, manganese, iron, sulfur sodium, and aluminum.

Feed and Forage

Counties	Total
Abbeville	1
Aiken	20
Anderson	24
Bamberg	8
Barnwell	2
Calhoun	1
Cherokee	7
Chester	1
Chesterfield	4
Clarendon	2
Darlington	6
Dillon	2
Dorchester	3
Edgefield	10
Florence	3
Georgetown	1
Greenville	3
Greenwood	56
Hampton	29
Kershaw	10
Lancaster	8
Laurens	10
Lexington	23
Marion	2
Newberry	16
Oconee	4
Orangeburg	8
Pickens	5
Richland	3
Saluda	11
Spartanburg	13
Sumter	3
Sub Total	299
Prepaid	65
Accounts	549
Research	126
Total Samples Analyzed	1039

Total Number	Feed Type
166	Hay Bermuda
20	Hay Fescue
12	Hay Legume
2	Hay Sorghum
79	Hay Mixed

48	Hay Small Grain
48	Pasture Grass
43	Silage Corn
19	Silage Sorghum
15	Silage Legume
34	Silage Small Grain
84	Silage Grass
9	Grain Mixed
13	Mixed Ration-Corn
2	Mixed Ration-Sm Grain
356	Other
85	Complete Feed
1	Mineral Mix
2	Tropical Corn Silage
1	Whole Soybean

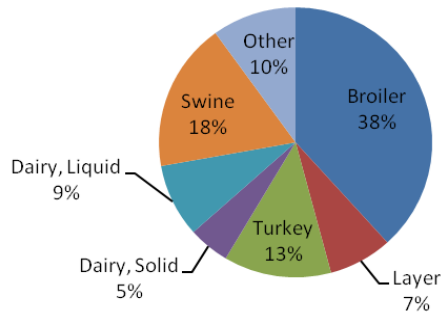


Min includes phosphorus, potassium, calcium, magnesium, zinc, copper, manganese, iron, and sulfur.

Animal Waste

Abbeville	3
Aiken	32
Allendale	1
Anderson	4
Bamberg	11
Barnwell	16
Calhoun	10
Cherokee	6
Chester	13
Chesterfield	12
Clarendon	30
Darlington	9
Dillon	24
Dorchester	17
Florence	1
Georgetown	1
Greenwood	4
Hampton	11
Horry	11
Kershaw	23
Lancaster	15
Laurens	18
Lee	54
Lexington	62
Marlboro	17
Newberry	41
Oconee	21
Orangeburg	43
Richland	1
Saluda	31
Spartanburg	2
Sumter	11
Union	5
York	4
Sub Total	564
Prepaid	343
Accounts	72
Research	3
Virginia Contract	791
Total Samples Analyzed	1773

In State Animal Waste 2012

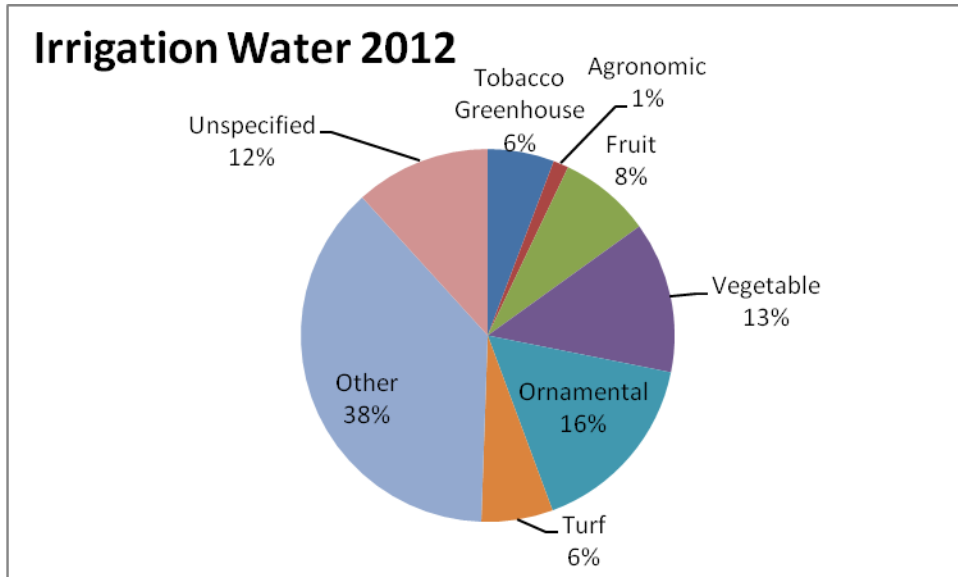


In State Animal Waste Analyses	Total
Routine	974
Nitrate Nitrogen	43
Arsenic	15
CCE	17
pH	46
Soluble P	89

Irrigation Water

Counties	Total
Anderson	4
Bamberg	1
Barnwell	1
Beaufort	2
Berkeley	4
Charleston	111
Colleton	1
Dorchester	3
Edgefield	5
Florence	1
Georgetown	30
Greenville	3
Greenwood	2
Hampton	1
Horry	19
Jasper	1
Lancaster	1
Laurens	1
Lexington	2
Richland	2
Spartanburg	5
Sumter	3
Union	1
Sub Total	201
PrePaid	85
Accounts	156
Research	9
Total Samples Analyzed	451

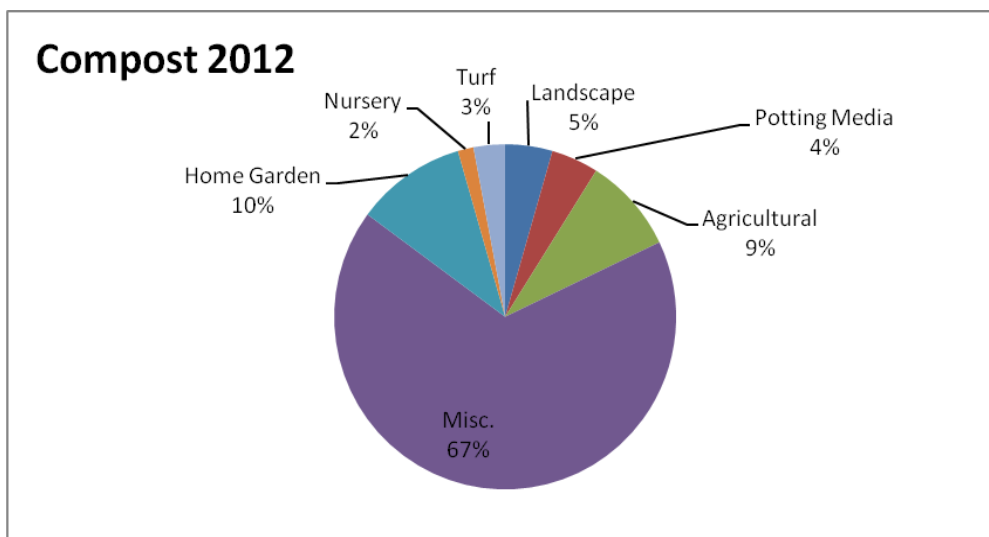
Irrigation Water Analyses	Total
Special (pH, EC, P, K, Ca, Mg, Fe, Zn, Cu, Mn, Na, Cl, B, S, NO3-N, HCO3, and CO3)	393
Standard (pH plus EC)	58



Compost

	Total
PrePaid	2
County	16
Research	49
Total	67

Compost Analyses	Total
Standard (Moisture, N, C, pH, OM, EC)	29
Special (Moisture, N, C, pH, OM, EC, NH4-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	5308	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.