

**Agricultural Service Laboratory  
Clemson University  
2015 Annual Report**

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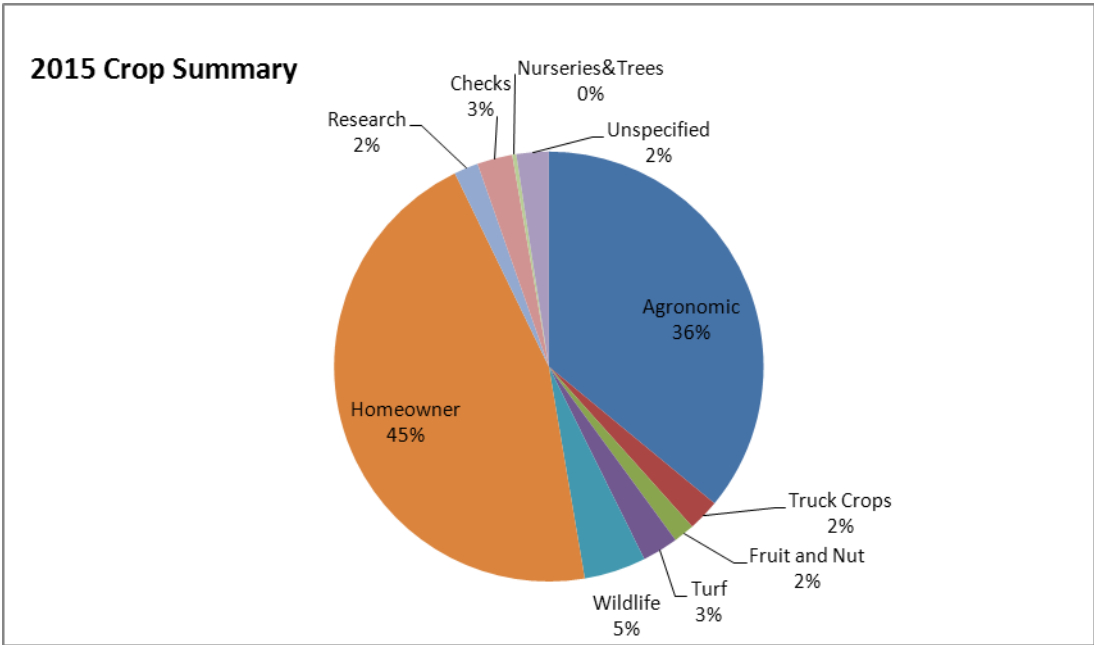
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**Soil**

<b>Counties</b>	<b>Sample Number Totals</b>	<b>Large Area Crop Codes</b>	<b>Small Area Crop Codes</b>	<b>Diagnostic Reports</b>
Abbeville	185	116	69	0
Aiken	2001	496	1505	0
Allendale	179	169	10	0
Anderson	788	383	404	1
Bamberg	1997	1970	27	0
Barnwell	321	244	77	0
Beaufort	1537	608	927	2
Berkeley	522	133	389	0
Calhoun	800	692	88	20
Charleston	2019	518	1350	151
Cherokee	250	211	39	0
Chester	236	174	59	3
Chesterfield	290	229	60	1
Clarendon	268	115	150	3
Colleton	336	183	153	0
Darlington	941	662	279	0
Dillon	156	99	56	1
Dorchester	610	397	211	2
Edgefield	670	617	50	3
Fairfield	126	94	32	0

Florence	898	398	499	1
Georgetown	853	389	462	2
Greenville	2228	581	1643	4
Greenwood	494	201	293	0
Hampton	2219	2075	144	0
Horry	1382	454	927	1
Jasper	399	112	287	0
Kershaw	887	608	278	1
Lancaster	190	116	74	0
Laurens	545	343	201	1
Lee	535	438	97	0
Lexington	3128	1098	2003	27
Marion	231	194	37	0
Marlboro	106	69	37	0
McCormick	79	32	43	4
Newberry	997	817	180	0
Oconee	382	164	218	0
Orangeburg	602	433	163	6
Pickens	456	147	307	2
Richland	2917	605	2207	105
Saluda	558	481	77	0
Spartanburg	1107	472	635	0
Sumter	839	302	537	0
Union	232	140	92	0
Williamsburg	80	55	25	0
York	912	479	389	44
Prepaid	1620	920	642	58
Accounts	7912	6463	1061	388
Research	970	390	125	455
Checks & Blanks	1411	0	0	1411
<b>Total Samples Analyzed</b>	<b>49401</b>	<b>27086</b>	<b>19618</b>	<b>2697</b>

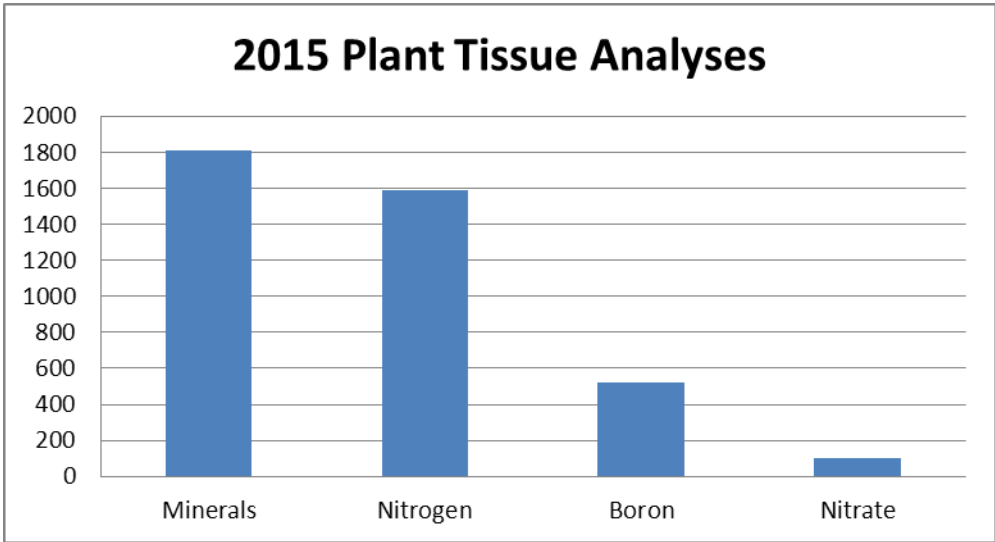
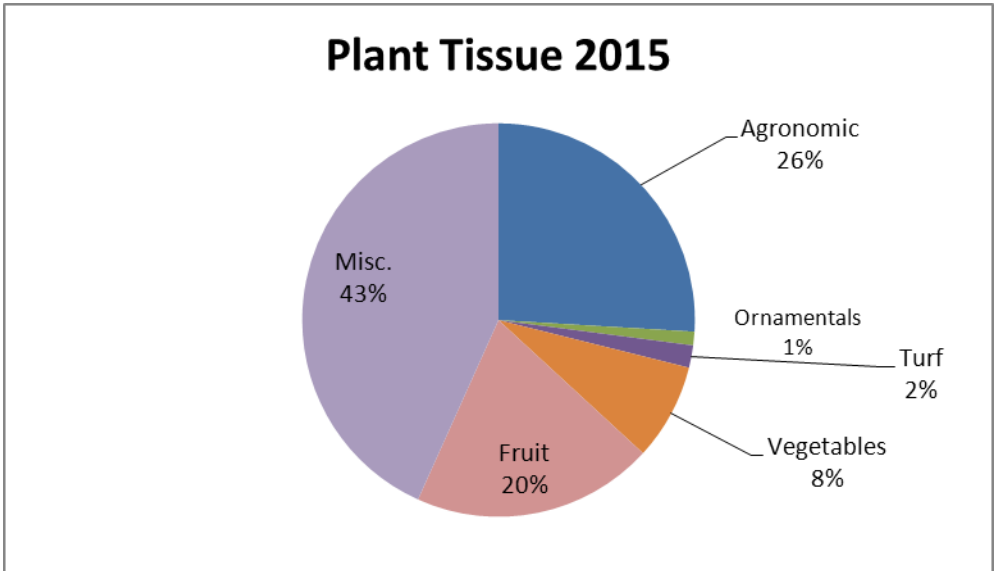


Other Soil Analyses	Total
Organic Matter	2293
Nitrate Nitrogen	1084
Soluble Salts	492
Extractable Sulfate Sulfur	449
pH Only	21
Pond Bottom	40
Shrimp Pond	1
Soilless Mixes	44
Bulk Density	41

## Plant Tissue

Counties	Total
Aiken	2
Anderson	2
Bamberg	4
Barnwell	5
Beaufort	17
Calhoun	3
Charleston	1
Chester	1
Clarendon	153
Colleton	18
Darlington	3
Dillon	2
Dorchester	7
Edgefield	131
Florence	4
Greenville	2
Greenwood	4
Hampton	5
Horry	3
Kershaw	3
Lancaster	2
Lee	10
Lexington	90
Marion	8
Marlboro	3
Newberry	1
Pickens	1
Richland	1
Saluda	53
Spartanburg	95
Sumter	1
York	1
Prepaid	66
Accounts	236
Research	1129
<b>Total Samples Analyzed</b>	<b>2067</b>

<b>Crop</b>	<b>Total</b>
Soybean	82
Corn Leaf	42
Corn Whole	58
Cotton	137
Cotton Petioles	4
Peanuts	58
Small Grain	145
Coastal Bermuda Hay	3
Tobacco	7
<b>Total Agronomic</b>	<b>536</b>
Deciduous	1
<b>Total Trees</b>	<b>1</b>
Geranium	17
Chrysanthemum	3
<b>Total Ornamental</b>	<b>20</b>
Zoysia	3
Bentgrass	6
Bermudagrass	22
St Augustine	3
Fescue	4
<b>Total Turf</b>	<b>38</b>
Broccoli	21
Collards	2
Cucumbers	25
Lettuce	6
Potato	1
Tomatoes, Greenhouse	27
Tomatoes, Trellis	51
Snap Beans	2
Kale	10
Squash	19
<b>Total Vegetables</b>	<b>164</b>
Blueberries	2
Grapes – Muscadine	3
Strawberries	174
Peaches	180
Pear	1
Pecans	27
Watermelon	24
<b>Total Fruit and Nuts</b>	<b>411</b>
Misc.	897
<b>Total All</b>	<b>2067</b>



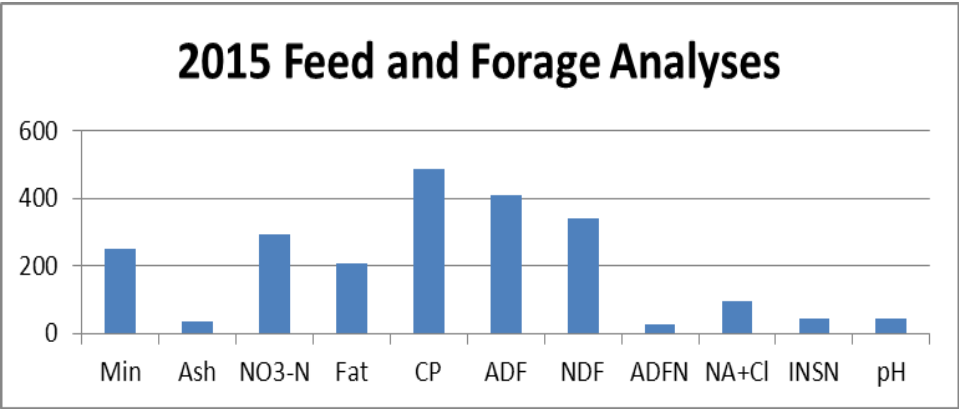
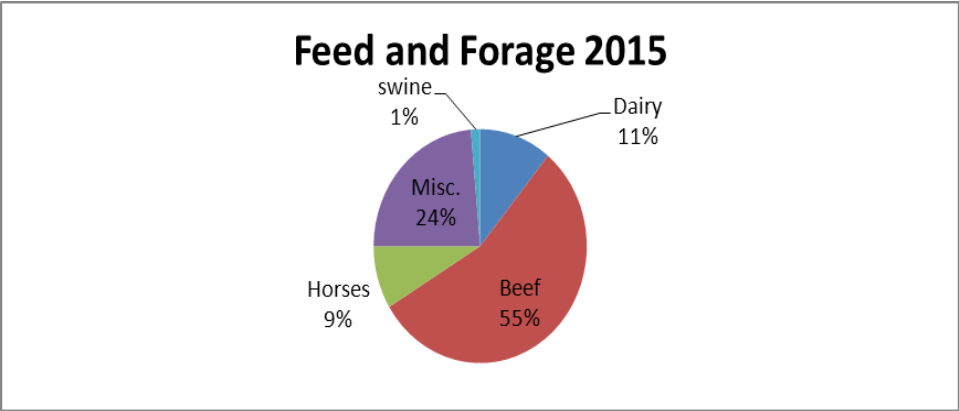
***Minerals include phosphorus, potassium, calcium, magnesium, zinc, copper, manganese, iron, sulfur sodium, and aluminum.***

## Feed and Forage

Counties	Total
Abbeville	6
Aiken	14
Anderson	17
Barnwell	2
Calhoun	2
Charleston	8
Cherokee	28
Chester	3
Chesterfield	5
Clarendon	26
Darlington	2
Dillon	11
Dorchester	3
Edgefield	6
Florence	15
Greenville	4
Greenwood	29
Hampton	13
Horry	15
Kershaw	4
Lancaster	2
Laurens	26
Lee	8
Lexington	8
Marlboro	14
McCormick	2
Newberry	71
Oconee	2
Orangeburg	5
Pickens	1
Richland	8
Saluda	27
Spartanburg	3
Sumter	1
Union	3
Williamsburg	1
York	4
Prepaid	70
Accounts	110
Research	134
<b>Total Samples Analyzed</b>	<b>713</b>

<b>Total</b>	<b>Feed Type</b>
119	Hay Bermuda
32	Hay Fescue
8	Hay Legume
6	Hay Sorghum
73	Hay Mixed
52	Hay Small Grain
1	Hay Bahia
83	Pasture Grass
19	Silage Corn
7	Silage Sorghum
12	Silage Legume
21	Silage Small Grain
48	Silage Grass
1	Total Mixed Ration - grass
5	Grain Mixed
2	Grain Corn
1	Grain oats
1	Grain Sorghum
1	Grain Wheat
1	Mixed Ration-Corn
1	Gluten
2	Soybean Hulls
1	Cottonseed
1	Distillers Grain
1	Mineral Mix
147	Other
67	Complete Feed
<b>713</b>	<b>Total</b>



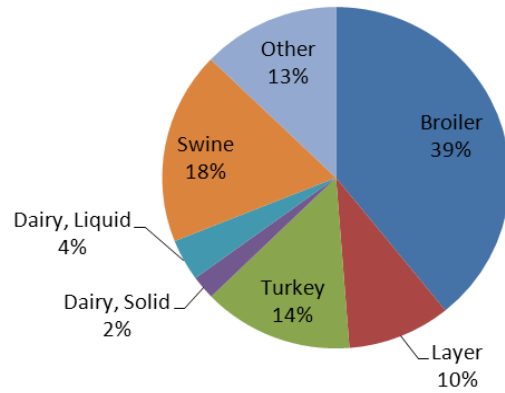


*Min includes phosphorus, potassium, calcium, magnesium, zinc, copper, manganese, iron, and sulfur.*

## Animal Waste

Counties	Total
Abbeville	2
Aiken	40
Anderson	12
Bamberg	23
Barnwell	23
Calhoun	16
Cherokee	2
Chester	27
Chesterfield	24
Clarendon	30
Darlington	12
Dillon	36
Dorchester	10
Edgefield	3
Florence	2
Georgetown	3
Greenwood	1
Hampton	9
Horry	11
Kershaw	41
Lancaster	15
Laurens	15
Lee	59
Lexington	109
Marion	9
Marlboro	22
Newberry	53
Oconee	18
Orangeburg	38
Pickens	1
Richland	4
Saluda	46
Spartanburg	5
Sumter	9
Union	4
York	6
Prepaid	158
Accounts	21
Research	2
Virginia Contract	683
<b>Total Samples Analyzed</b>	<b>1604</b>

### In State Animal Waste 2015



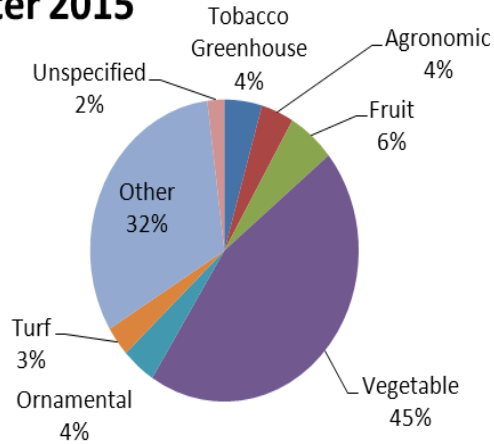
In State Animal Waste Analyses	Total
Routine Test	936
Nitrate Nitrogen	40
Arsenic	14
CCE	29
pH	71
Soluble P	30

## Irrigation Water

Counties	Total
Aiken	1
Allendale	5
Anderson	2
Beaufort	2
Charleston	53
Chester	5
Clarendon	7
Colleton	6
Darlington	5
Dillon	2
Dorchester	4
Edgefield	9
Florence	10
Georgetown	9
Greenville	3
Greenwood	2
Horry	18
Jasper	1
Kershaw	4
Laurens	1
Lee	3
Lexington	12
Marion	1
Orangeburg	1
Pickens	1
Richland	7
Spartanburg	1
Sumter	4
Williamsburg	9
PrePaid	86
Accounts	407
Research	9
<b>Total Samples Analyzed</b>	<b>690</b>

Irrigation Water Analyses	Total
Special (pH, EC, P, K, Ca, Mg, Fe, Zn, Cu, Mn, Na, Cl, B, S, NO3-N, HCO3, and CO3)	652
Standard (pH plus EC)	38

## Irrigation Water 2015

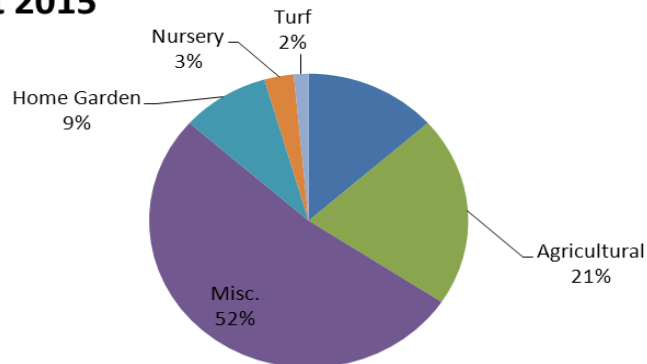


## Compost

PrePaid	33
County	24
Research	10
<b>Total</b>	<b>67</b>

Compost Analyses	Total
Standard (Moisture, N, C, pH, OM, EC)	19
Special (Moisture, N, C, pH, OM, EC, NH4-N, P, K, Ca, Mg, S, Zn, Cu, Mn, Fe, Na)	34
Carbon/Nitrogen only	14
Nitrate Nitrogen	1
Bulk Density	6

## Compost 2015



**Other**

<b>Sample Type</b>	<b>Total Samples</b>	<b>Various Analyses</b>
Total solutions and other materials	4182	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 NH<sub>4</sub>-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.