

PROPERTY OF
EXTENSION SERVICE
OF SOUTH CAROLINA

ANNUAL REPORT

COUNTY AGENT WORK

GREENVILLE

County

SOUTH CAROLINA

1948

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CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina

ANNUAL REPORT OF COUNTY AGENT WORK
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Cooperative Extension Work in Agriculture and Home Economics
Clemson Agricultural College and the
United States Department of
Agriculture Cooperating
Extension Service

D. W. Watkins, Director
Clemson, South Carolina

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SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

GENERAL ACTIVITIES

1. Days agents spent in office	297
2. Days agents spent in field.	889
3. Days agents worked.	1,186
4. Miles agents traveled	44,718
5. Farm visits	3,005
6. Different farms visited	955
7. Office calls at agents' office.	2,816
8. Telephone calls at agents' office	4,896
9. Meetings held or attended	313
10. Attendance at these meetings.	13,588
11. Number communities in which extension work was conducted.	19
12. Number voluntary community leaders assisting with extension program	250
13. Number farmers conducting demonstrations.	92

PROJECT ACTIVITIES AND RESULTS

Agricultural Economics

A County Outlook Meeting attended by 111 people was held. The general agricultural outlook was presented by L. B. Massey, District Agent. C. G. Cushman, Extension Dairy Specialist, discussed the outlook for dairying in Greenville County and Roy J. Ferree, Extension Horticulturist, discussed the peach outlook. Following these talks, L. W. Sparks, Assistant Extension Entomologist, led a discussion on boll weevil control. The County Agent presented the outlook at five community meetings. We have continued to work with the Agricultural Economics Specialist in studying landlord-tenant relations and also in making a study of two father-son partnership farms. We have cooperated with the Farm Credit Agencies in giving information to people regarding sources of credit. Two farm record demonstrations and ten TVA farm demonstrations were conducted.

Agricultural Engineering

Plans for various types of farm buildings including farm homes were furnished to interested people. Two new seed cleaning and treating plants were established in the county during the year. The Simpsonville frozen food locker plant was completed giving us eight freezer locker plants in the county with a total capacity of nearly 3,000 lockers. A 4-H Tractor Maintenance Club with a membership of 32 boys was organized and 15 boys took the tractor short course at the 4-H Club Camp. A tractor operator's school attended by 166 people was held.

Agronomy

Eleven Cotton Demonstrations with an average yield of 736 pounds per acre were completed. Four corn production demonstrations were completed. These averaged 84 bushels per acre and all were planted in hybrid corn. We carried out a

successful permanent pasture contest in cooperation with the Soil Conservation District Supervisors and other agricultural agencies. A total of 103 farmers enrolled in the contest. A campaign for annual grazing crops was highly successful. The Turkish Tobacco project was conducted on an enlarged scale. Summaries of agronomy demonstrations will be given under the respective heads.

Animal Husbandry

The office cooperated with beef cattle and swine breeders. Particularly were they helped with their pasture and annual grazing crop development. Farmers were encouraged to keep brood sows to supply the pigs needed for home pork production. Many people were given information regarding the home curing of meat.

Dairying

Our grazing programs fitted right in with the dairying program. An annual grazing crop tour attended by 108 people was conducted. The Greenville County grazing calendar was widely used by dairy farmers. The motion picture "No Hand Stripping" was shown to a group of 48 dairymen. The County Agent acted as secretary to the Greenville Cooperative Artificial Cattle Breeding Association and helped supervise its operation. Through the association, 703 cows were bred. Our pure bred 4-H Dairy Calf Club was enlarged and its work broadened. The County Agents cooperated with the Greenville Milk Producers' Association.

Entomology and Plant Pathology

Work in entomology and plant pathology consisted chiefly of educational programs through the newspapers, radio, circular letters, posters, and meetings regarding the control of diseases and insect pests. The use of resistant varieties and seed treatment were stressed. Hundreds of people were furnished instructions for the control of various kinds of pests. A most effective boll weevil control campaign was conducted. The county was organized for this under the leadership of the County Agricultural Committee. All agricultural agencies cooperated. The amount of poisoning done in the past has been almost negligible while this year around 35 percent of the cotton acreage was dusted. Approximately 200 dusters of various types were purchased and used.

Food Enrichment

Our program for getting enrichment attachments put on mills that grind corn meal and grits is coming along very nicely. Many of the buyers are insisting that these products be enriched. Three mills have been equipped during the year and another will be added in early December. Several other mills that were equipped some time ago that had stopped enriching their products have again started the enrichment process.

Forestry

The office cooperated with the State and Federal Forestry Services and with the Greenville County Forest Protective Association. Woodland examinations were made on twelve farms on four of which timber for cutting was marked. This amounted to 247,540 board feet. E. D. Frye was county winner in the Pulpwood Thinning Contest. A total of 81,100 pine seedlings were planted by farmers in the county. A forestry program was held in each of the 4-H Clubs.

Horticulture

The monthly garden letter was sent to 133 families who requested it. A meeting of the County Agricultural Committee was held for the purpose of securing advice regarding the planting of truck crops to be sold on the new Greenville Wholesale Market. Commercial fruit growers were given every possible assistance. Two pruning demonstrations attended by 101 people were given. A strong campaign was waged for better spraying and orchard sanitation to control disease and insect pests in commercial peach orchards. Results were gratifying. Commercial truck crop growers were aided with production problems. One sweet potato and one orchard cover crop demonstration were completed.

Marketing

We cooperated with the extension marketing specialists and United States Department of Agriculture specialists in making a survey preliminary to the establishment of a Wholesale Farmers' Market in Greenville. The market is now under construction and will open in the spring. Also worked with the City Council in making plans for erection of a modern retail market. Cooperated with local buyers in selling large volumes of poultry. Marketed something over 2,000 pounds of turkeys for one grower. Assisted in placing surplus cotton, small grain, and lespedeza planting seed.

Poultry

Cooperated with growers, particularly in the Jordan Community, in the production of hatching and market eggs. Had seven flock improvement demonstrations. Our Sears 4-H Poultry project with show, sale, and luncheon was most successful. Hundreds of people were advised regarding control of insects and diseases of poultry. Plans for poultry brooder and laying houses were furnished upon request.

Visual Instruction

We have found our motion picture projector to be very helpful in our educational and recreational programs. Educational motion pictures were shown at meetings attended by 2,095 people. Charts and posters were also made use of in our work.

Publicity

A total of 983 personal letters were mailed and 72 circular letters were prepared and 12,217 copies mailed. Press articles prepared number 801 and 2662 bulletins were distributed. A fifteen minute farm radio program was broadcasted on Monday of each week.

I. County, Community and Neighborhood Organization of Volunteer Farm and Home Leaders

1. County Agricultural Committee:

- a. Members of the Greenville County Agricultural Committee are selected to represent different sections and different types of farming of the county. It is composed of both men and women representatives of the various agricultural agencies operating in the county. Some business men are included in the membership.
- b. The members of the County Agricultural Committee are:

Anthony, Mrs. H. B.	Route 1, Travelers Rest
Barnette, Mrs. W. C.	Route 2, Greer
Batson, Mrs. O. C.	Route 2, Greenville
Beam, A. L.	Route 2, Taylors
Bennett, Mrs. Ralph	Route 3, Simpsonville
Blakely, J. A.	Route 2, Piedmont
Butler, G. D.	Route 1, Travelers Rest
Charles, Mrs. John	Route 2, Piedmont,
Crymes, Marvin	Greenville
Earle, Frank H.	Box 1559, Greenville
Earle, J. K.	Route 4, Greenville
Earle, J. K., Jr.	Route 4, Greenville
Fonville, Mrs. John	Route 2, Greenville
Ford, R. A.	Route 4, Greer
Franks, Mrs. H. R.	Route 2, Greenville
Freeman, Mrs. P. E.	Route 1, Greenville
Gibson, Mrs. Walter	Campobello
Granade, H.	Masonic Temple, Greenville
Greer, B. E.	Route 1, Simpsonville
Griffith, J. W.	Route 2, Greenville
Hendrix, Pluras	Route 1, Greenville
Hester, Mrs. Alvin	Route 7, Greenville
Holtzclaw, Mrs. W. B.	Route 4, Greer
Hudson, M. E.	Route 2, Greenville
Hudson, Mrs. J. Harold	Route 4, Greer
Huff, S. B.	Route 3, Piedmont
Hughes, R. M.	Greer
Hughey, Mrs. W. S.	Route 2, Greer
King, J. W., Jr.	Pelzer
Knight, R. A.	Route 3, Honea Path
Loftis, Mrs. C. B.	Route 1, Taylors
McKittrick, J. H.	Route 2, Pelzer
Means, J. E.	Route 1, Greenville
Mitchell, Dr. J. H.	Route 3, Travelers Rest
Montgomery, I. P.	21 McAdoo Avenue, Greenville
Morrow, W. P.	Route 2, Landrum
Pickens, E. C.	Box 1127, Spartanburg
Smith, Mrs. G. Frank	Route 8, Greenville
Smith, Wayne B.	Route 2, Greenville
Stokes, J. A.	Route 2, Greer

(continued)

Taylor, E. R.	Route 3, Greer
Taylor, W. M.	Palmetto Building, Greenville
Thackston, W. Shell	Fountain Inn
Verdin, L. M.	Box 1588, Greenville
Welter, Mrs. E. L.	Route 2, Greenville
Winn, H. J.	Box 1140, Greenville

Executive Committee:

Stokes, J. A., Chairman
Hudson, Mrs. Harold
Hudson, M. E.
Smith, Mrs. G. Frank
Taylor, E. R.

Sub Committees of the County Agricultural Committee:

Agronomy: (Including Pastures and Crop Pest Control)

Greer, B. E., Chairman
Hendrix, Pluras
Knight, R. A.
Thackston, W. Shell

Dairying and Livestock:

Blakely, J. A., Chairman
Ford, R. A.
Verdin, L. M.

Fertilizers:

Means, J. E., Chairman
Earle, J. K., Sr.
Hudson, M. E.

Four-H Club Work:

Freeman, Mrs. P. E., Chairman
Mitchell, Dr. J. H.
Shepard, Jr., Mrs. S. H.
Verdin, L. M.

Fruits and Vegetables:

Taylor, E. R., Chairman
Beam, A. L.
Griffith, J. W.

Marketing Committee:

Taylor, E. R., Chairman
Earle, Frank H.
Means, J. E.

Poultry Committee:

Smith, Wayne B., Chairman
Hughey, Mrs. W. S.
Stokes, J. A.

Soil Conservation Committee:

Huff, S. B., Chairman
Granade, H.
McKittrick, J. H.

- c. The County Agricultural Committee accepts the responsibility of initiating and sponsoring certain farm programs. As a whole and through the different sub committees, studies are made regarding the needs of the county and the extension agents are advised and aided in carrying out a program that meets these needs. The County Agricultural Committee assists in coordinating the work of the different farm workers in the county. Meetings of the entire committee or sub committees are held from time to time as the occasion demands.

2. Community Agricultural Committees and Neighborhood Leaders:

- a. Following are names of communities organized and under each community, names of neighborhoods organized for conducting the agricultural program in the communities and neighborhoods listed.

<u>Name</u>	<u>Active Leaders</u>
Chandler Community	20
Dry Oak	2
Chandler	8
Lebanon	5
Columbia	5
Woodville Community	22
Woodville	5
Pepper	6
Eastview	2
Oaklawn	5
West Dunklin	4
Fork Shoals Community	15
Fork Shoals	11
Holly Grove	4
Fountain Inn Community	9
Fountain Inn	6
Fairview	3
Simpsonville Community	16
Standing Springs	0
Simpsonville	3
Bethel	5
Jonesville	2
Clear Springs	3
Hopewell	3
St. Albans Community	7
St. Albans	5
Fellowship	2
Grove-Gantt Community	10
Piedmont	3
West Gantt	7

<u>Name</u>	<u>Active Leaders</u>
Mauldin Community	12
Poplar	3
Oak Grove	7
Flat Rock	2
Laurel Creek Community	11
Mission	9
Laurel Creek	2
Pliney Community	6
Cross Road	4
Kilgore	2
Brushy Creek Community	14
Brushy Creek	6
Pleasant Grove	3
Rock Hill - Pelham	5
Berea-Welcome Community	13
Armstrong	2
Berea	6
Welcome	5
Travelers Rest Community	20
Ebenezer	4
Pleasant-Retreat-Belvue	5
Travelers Rest	4
Reedy River	3
Jackson Grove	2
Little Texas	2
Reid Community	8
Reid	6
North Taylors	2
Upper Fairview Community	7
Upper Fairview	3
Ansel	4
Jordan Community	20
Pleasant Hill-Lenoah	2
Jordan	13
O'Neal	5
Mountain View Community	18
North Fork	2
Tigerville	3
Locust	2
Mountain View	5
Double Springs	6

(continued)

<u>Name</u>	<u>Active Leaders</u>
Ebenezer-Welcome Community	13
Upper Oak Grove	2
Gowansville	4
Ebenezer-Welcome	4
Highland	3
Cleveland Community	6
Cleveland	2
Marietta	4

PROJECT ACTIVITIES AND RESULTS

AGRICULTURAL ECONOMICS

Work in Agricultural Economics in 1948 included County and Community Outlook Meetings, TVA Unit Test Demonstrations, Farm Account Records and cooperation with Farm Credit Organizations. Landlord-tenant relations studies were also made.

Outlook Meetings: A County Outlook Meeting was held at which extension workers presented 1948 outlook to 111 farm people. In addition to this, outlook information was presented at five community meetings.

Complete Farm Records: Two Greenville County farmers kept complete farm records on their 1947 operations. A summary of one of these follows. We failed to get the other record summarized in time for use in the report.

Summary of 1947 Farm Record of J. M. Berry

Greenville County

Item	(1)
Labor income, dollars	953
Receipts, dollars	3604
Expenses, dollars	2137
Farm income, dollars	1467
Farm income per \$100 invested, dollars	11
Receipts per \$100 invested, dollars	28
SIZE:	
Crop Acres	45
Crop acres and open pasture	60
Total acres in farm	137
Acres of crops	45
Investment	12,833
Work animals	2.0
Man-work units, total	372
Animal units productive	6.1
PRODUCTIVITY:	
Crop yield index	95
Cash crop yield index	68
Lint cotton per acre, pounds	199
Yield corn per acre, bushels	27
Yield oats per acre, bushels	40
Yield wheat per acre, bushels	15
Yield hay per acre, tons	.4
Yield barley per acre, bushels	-
Dairy sales per cow, dollars	502
Income per sow, dollars	0
Egg income per hen, dollars	9.10
LABOR EFFICIENCY:	
Man-work units per man	207
Percent work done by sharecroppers	43
Horse-work units per horse	83
LAND EFFICIENCY:	
Percent of farm in cropland and open pasture	44
Acres of crops per cultivated acre	1.00
DIVERSITY:	
Percent of receipts from cotton	27
Percent receipts from livestock	63
Acres of cropland per animal unit	7.4
Acres of open pasture per A.U. (cattle)	3.6
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:	
Milk cows	4.0
Other dairy cattle	2.0
Beef cows	0
Other beef cattle	0
Brood sows	0
Other hogs	0
Hens	57
Other Poultry	0

TVA Demonstration Farms: In cooperation with the Extension Service and the Tennessee Valley Authority, the county agent established 10 unit test-demonstration farms in Greenville County in 1947. These farms were established to demonstrate the value of a program of land-use adjustment in the interest of soil and water conservation. Crop and livestock plans were developed for each farm for a five-year period. Each farmer kept a complete farm account record of his business transactions. A progress report of a specimen Greenville County demonstrator follows.

Progress Report on Unit Test-Demonstration Farm *W. J. Verdin*
Greenville County
Crop Rotation

Field Number	Total Acres	Rotation Underway
1, 2, & 10	49.1	Permanent Pasture
3	5.1	Corn, grain and clover, 2 years; Millet, grain and clover, 1 year; Corn, grain and clover, 2 years.
4 & 5	17.3	Annual Grazing
5 & 7A	6.0	Sericea
6	22.9	Grain and summer legumes, 2 years; Winter cover and row crops, 2 years; Grain and summer legumes, 1 year.
7 & 8B	19.9	Grain and lespedeza.
7	5.0	Corn, 1 year; grain and lespedeza, 1 year; winter cover and corn, 1 year; grain and lespedeza, 1 year; winter cover and corn, 1 year.
7B	5.0	Cotton, 1 year; winter cover and cotton, 1 year; grain and summer legumes, 1 year; winter cover and cotton, 2 years.
7B	2.0	Corn, 1 year; grain and lespedeza, 4 years.
8	23.6	Cotton, 1 year; winter cover and cotton, 1 year; grain and lespedeza, 2 years, winter cover and row crop, 1 year.
8A	9.0	Corn, grain and clover
8C	2.0	Kudzu continuously
9	1.0	Orchard

ACREAGE AND PRODUCTION OF SPECIFIED CROPS GROWN ON THE
UNIT TEST-DEMONSTRATION FARM OF W. J. VERDIN, 1948

Crops Grown	Grown by Family and Hired Laborers		Grown by Sharecroppers	
	Acres	Production	Acres	Production
Cotton			45.6	22,630 lbs. lint
Corn For Ensilage	9.0	80 tons		
Annual Grazing*	22.3	Grazed		
Grain and Clover	9.0	Grazed		
Oats	4.0	6 tons hay		
Wheat	11.0	220 bushels		
Barley	4.0	4 tons		
Alfalfa	4.0	12 tons hay		
Lespedeza	14.0	14 tons hay		
Sericea	6.0	11 tons hay		
Kudzu	2.0	Grazed		
Garden and Truck	2.0	Home Use		

* Annual Grazing Consists of Grain and Clover Followed by Sweet Sudan.

SUMMARY OF FARM BUSINESS For W. J. Verdin, 1948

	Beginning Inventory		Closing Inventory	
	Page	Value	Page	Value
Land		21,000.00		21,000.00
Improvements		6,655.00		6,537.26
Horses and Mules		400.00		600.00
Cattle		7,050.00		8,200.00
Hogs		-		-
Poultry		150.00		262.50
Sheep, Goats, etc.		-		-
Crop, Feeds, etc.		1,348.00		1,286.00
Machinery and Tools		4,258.65		4,462.91
TOTAL		40,861.65		42,348.67

Farm Receipts			Farm Expenses		
Cotton and Cotton Seed	7076	76	Hired Labor	1,539	50
Other Crops	-	-	Crop Expense	3,129	70
Cattle and Hogs	395	50	Livestock and Poultry	5,385	24
Dairy Products	12,759	35	Automobile	-	-
Poultry and Eggs	1,091	92	Truck, Tractor, Equipment	1,223	32
Miscellaneous Receipts	144	68	Miscellaneous	652	50
Share Croppers Expense	653	17	Share Croppers Receipts	3,538	38
Total Cash Receipts	22,121	38	Total Cash Expenses	15,468	64
Increase in Inventory (if any)	1,487	02	Decrease in Inventory (if any)	-	-
TOTAL RECEIPTS	23,608	40	TOTAL EXPENSES	15,468	64

Receipts minus expenses	\$ 8,139.76
Value of unpaid family labor other than that of operator, deduct	\$ 510.00
Farm income	\$ 7,629.76
Interest (1% on average of two inventories) deduct.	\$ 1,664.21
Labor income *.	\$ 5,965.55

* Labor income is what a farmer receives for his year's work above interest on his investment and all farm expenses, in addition to having a house to live in and farm products to use in the house.

A Comparison of Unit Test-Demonstration Farms of Greenville County, 1947

Item	(1)	(2)	(3)	(4)	(5)	
Labor income, dollars	-449	953	1191	-9399	-1188	
Receipts, dollars	8482	3604	3098	18,892	46,967	
Expenses, dollars	8063	2137	1199	26,436	46,300	
Farm income, dollars	418	1467	1599	-7544	668	
Farm income per \$100 invested, dollars	2	11	16	- 16	1	
Receipts per \$100 invested, dollars	39	28	30	40	87	
SIZE:						
Crop acres	84	45	22	105	112	
Crop acres and open pasture	90	60	27	113	113	
Total acres in farm	125	137	47	225	167	
Acres of crops	147	45	32	105	192	
Investment	21,668	12,833	10,198	48,384	53,885	
Work animals	4.5	2.0	.7	2.5	3.0	
Man-work units, total	777	372	125	310	2938	
Animal units productive	8.5	6.1	2.9	4.2	96.8	
PRODUCTIVITY:						
Crop yield index	101	95	167	161	130	
Cash crop yield index	81	68	136	105	-	
Lint cotton per acre, pounds	236	199	389	306	-	
Yield corn per acre, bushels	6	27	44	-	-	
Yield oats per acre, bushels	38	40	35	45	13	
Yield wheat per acre, bushels	18	15	20	26	-	
Yield hay per acre, tons	2.2	.4	1.7	-	-	
Yield barley per acre, bushels	40	-	50	-	-	
Dairy sales per cow, dollars	116	502	0	0	550	
Income per sow, dollars	0	0	0	0	0	
Egg income per hen, dollars	3.55	9.10	12.52	0	0	
LABOR EFFICIENCY:						
Man-work units per man	228	207	116	10	138	
Percent work done by sharecroppers	60	43	54	35	0	
Horse-work units per horse	81	83	27	54	85	
LAND EFFICIENCY:						
Percent of farm in cropland and open pasture	72	44	56	50	86	
Acres of crops per cultivated acre	1.18	1.00	1.47	1.00	1.72	
DIVERSITY:						
Percent of receipts from cotton	67	27	10	4	0	
Percent receipts from livestock	21	63	36	0	97	
Acres of cropland per animal unit	10.0	7.4	7.4	4.2	1.2	
Acres of open pasture per A.U. (cattle)	1.0	3.6	3.3	2.0	.3	
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:						
Milk cows	1. C. D. Armstrong	2.5	4.0	1.0	2.5	85.0
Other dairy cattle	2. J. M. Berry	6.0	2.0	1.0	3.0	22.0
Beef cows	3. G. D. Butler	0	0	0	0	0
Other beef cattle	4. T. M. Dillard	0	0	0	0	0
Brood sows	5. J. K. Earle	0	0	.5	0	0
Other hogs		1.0	0	3.5	0	0
Hens		225	57	75	18	78
Other poultry		2	0	0	0	0

A Comparison of Unit Test-Demonstration Farms of Greenville County, 1947						
Item	(6)	(7)	(8)	(9)	(10)	
Labor income, dollars	2423	-915	-397	-2444	6314	
Receipts, dollars	7779	6325	6329	12,382	18,843	
Expenses, dollars	4705	6498	6115	11,617	11,437	
Farm income, dollars	3074	-173	215	765	7406	
Farm income per \$100 invested, dollars	19	- 1	1	3	27	
Receipts per \$100 invested, dollars	48	34	41	49	69	
SIZE:						
Crop acres	46	36	45	155	150	
Crop acres and open pasture	54	52	54	177	161	
Total acres in farm	85	53	70	290	212	
Acres of crops	58	51	45	200	226	
Investment	16,282	18,562	15,307	25,232	27,278	
Work animals	2.0	2.0	2.0	6.0	3.0	
Man-work units, total	644	199	307	1175	1505	
Animal units productive	16.5	20.0	5.3	8.9	34.4	
PRODUCTIVITY:						
Crop yield index	186	180	150	72	101	
Cash crop yield index	248	158	126	54	147	
Lint cotton per acre, pounds	717	460	368	149	425	
Yield corn per acre, bushels	40	39	40	11	15	
Yield oats per acre, bushels	57	50	25	36	25	
Yield wheat per acre, bushels	-	25	18	14	25	
Yield hay per acre, tons	-	1.0	-	1.0	.5	
Yield barley per acre, bushels	21	50	-	-	29	
Dairy sales per cow, dollars	435	61	160	0	564	
Income per sow, dollars	0	0	0	0	0	
Egg income per hen, dollars	0	3.48	9.72	2.17	0	
LABOR EFFICIENCY:						
Man-work units per man	220	91	153	149	158	
Percent work done by sharecroppers	19	0	8	84	23	
Horse-work units per horse	40	38	63	111	116	
LAND EFFICIENCY:						
Percent of farm in cropland and open pasture	64	99	77	61	76	
Acres of crops per cultivated acre	1.26	1.42	1.00	1.29	1.51	
DIVERSITY:						
Percent of receipts from cotton	17	13	19	91	18	
Percent receipts from livestock	73	38	19	3	76	
Acres of cropland per animal unit	2.8	1.8	5.3	17.4	4.4	
Acres of open pasture per A.U. (cattle)	.5	1.1	3.0	2.7	.3	
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:						
Milk cows	6. R. A. Ford	14.0	6.0	1.5	1.0	25.0
Other dairy cattle	7. Pluras Hendrix	4.5	13.5	2.5	0	17.0
Beef cows	8. W. S. Hughey	0	0	0	5.0	0
Other beef cattle	9. J. H. McKittrick	0	2.0	0	6.0	0
Brood sows	10. John W. Phillips	0	.5	.5	0	0
Other hogs		1.0	7.0	6.5	1.5	.5
Hens		18	350	88	38	25
Other poultry		0	0	0	0	0

Cooperation with Farm Agencies: The county agents cooperated with the Greenville County Production Credit Association, the Greenville Farm Loan Association and the Farm Home Administration in their work of extending farm credit to the farmers of Greenville County. The county agent has throughout the year advised farmers with reference to these sources of credit and aid and has acted in an advisory capacity to the Boards of Directors and the Administrative Officer development and carrying out of their plans.

AGRICULTURAL ENGINEERING

Agricultural engineering work during 1948 included soil conservation, farm buildings, rural electrification, farm water systems, sanitation and farm machinery schools that were particularly successful. Assisted with installation of one irrigation system.

Soil Conservation

Soil conservation work for the year was in cooperation with the Greenville County Soil Conservation District. The Soil Conservation Service works with the district supervisors and two technicians are assigned to this county. Soil conservation meetings and demonstrations are planned and held in cooperation with the soil conservation service technicians working in the county.

District Farm Plans: During the year 90 district farm plans have been prepared by the Soil Conservation Service technicians working in the county. This brings to a total 778 farm plans in the county. Soil conservation Service technicians estimate that 50 percent of the soil conservation practices planned on these farms have been established.

Power Terracing: We have a new patrol type terracing outfit in the county. During the year 612 acres on 31 farms were terraced with this equipment. This brings the total of such built terraces in the county to 15,763 acres.

Farmer Built Terraces: In addition to the above 33 farmers under the Soil Conservation Program, 537 acres were terraced in 1948 with farmer owned equipment.

Permanent Pasture Contest: We cooperated with the District Supervisors in conducting a permanent pasture contest. More than 100 farmers enrolled and fine results were obtained.

Farm Buildings

Farm Building Plans: Farm building plans, prepared by the extension agricultural engineering division, were furnished to farmers for the construction of farm buildings. A summary of the plans furnished appears on the next page.

Summary Farm Building Plans Furnished Farmers

Building	Number
Combination Milking Barn	2
Poultry Houses	7
Brooder Houses	4
General Purpose Barn	2
Smoke House	2
Farm Residences	3
Implement Shed	1
Cattle Shed	1

TOTAL	22
-------	----

In addition to above building plans, many farmers were furnished plans for such equipment as folding hay racks, brick brooders, catching coops, silos and septic tanks.

Care and Repair of Farm Buildings: Assistance was given farmers in repairing and remodeling farm buildings from time to time as necessity arose. We do not have a record of the farmers assisted or the number of different kinds of buildings where help was given.

Rural Electrification

We have kept in close touch with the two cooperatives that operate in the county, the Laurens Cooperative in the lower part of the county and the Blue Ridge in the upper section. These lines are now in full service. These and private lines are to be further extended in the near future.

Community Organization: We are quite proud of the extent to which Greenville County farms have electric service. We believe that no county of the state is ahead of us in this respect. Greenville County has now 220 miles of REA lines serving 845 families. In addition, we have approximately 601 miles of power company lines that serve around 2,700 families. We have no large community in the county that does not have electric service.

Farm Equipment and Structures

Water Systems: A large number of farm water systems were installed during the year.

Septic Tanks: Plans were furnished three farms for septic tank installations.

Irrigation: E. R. Taylor, peach grower of Greer was aided in planning a portable irrigation system chiefly for the purpose of irrigating a commercial peach orchard. A small stream was dammed and furnished an adequate water supply. Peaches irrigated gave a much higher yield per acre and greater percentage of two inch and better peaches than where water was not supplied. Mr. Taylor figured that on this first crop which was irrigated the increased returns more than paid installation expenses. We cooperated with F. J. Ayers in irrigating a six acre patch of bottom corn on which a yield of 162 bushels per acre was produced.

AGRONOMY

Agronomy work in 1948 consisted of demonstrations and educational work with each of major agronomy projects. Agronomy work was carried on by means of demonstrations, tours, field meetings and all types of publicity. Summaries and results of agronomy demonstrations follow.

Cotton

Five-acre Cotton Improvement Demonstrations: Eleven 5 acre cotton demonstrations were completed and records submitted. The average yield was 735 pounds of lint per acre. The county average for 1948 will be around 300 pounds per acre. A summary of these demonstrations follows:

Summary Results of Five-Acre Cotton Improvement Demonstrations

Name	Lbs. Seed Cotton	Lbs. Lint	Value Crop	Cost Prod.	Net Profit	Cost Per Lb.	Variety
Alverson, J. C.	5989	3481	1305.57	535.00	770.57	15.4	CLOOW
Alverson, J. M.	8020	4510	1699.60	966.00	733.60	21.4	CLOOW
Alverson, Billy	6477	3048	1182.62	544.82	637.80	17.9	CLOOW
Alverson, Jesse C.	5696	3204	1207.55	664.25	543.30	20.7	CLOOW
Green, Tandy	6200	3205	1224.00	539.28	684.72	16.8	CLOOW
Hawkins, C. P.	7891	4439	1673.00	738.50	934.50	16.6	CLOOW
Hendrix, Pluras	5764	3241	1221.56	585.52	636.04	18.1	CLOOW
Holliday, Fred C.	6080	3420	1288.96	669.50	619.46	19.6	CLOOW
Kellett, W. W.	7040	3960	1492.48	728.15	764.33	18.4	CLOOW
McCarter, R. H.	7415	4170	1571.68	589.37	982.31	14.1	CLOOW
Smith, M. D.	6669	3751	1413.66	652.42	761.24	17.4	CLOOW
<u>AVERAGE YIELD LINT PER ACRE - 735</u>			<u>AVERAGE COST PER LB. LINT - 17.9¢</u>				

One-Variety Cotton Community Demonstration: The community one variety cotton demonstration was again conducted in the Pliney-Oak Grove and Fountain Inn communities. Cokers 100 Wilt was the chosen variety. Growers in both communities purchased in the spring more than enough seed from the breeder to supply the community next year.

Corn Production

Excellent progress is being made in corn production. Demonstrations have shown the way toward producing yields at lower cost per bushel. Some of the improved practices that are being adopted are planting on good lands, high fertilization, close spacing and the use of adapted hybrids.

Corn Production Demonstrations: In 1948 we completed four corn production demonstrations. A summary of these follows:

Summary Corn Production Demonstrations

Name	Variety	Acres	Yield		Cost	Cost Per Bus.	Value	Profit
			Bus.	Per Acre				
J. A. Stokes	NC27	4	404	101	229.83	\$.57	\$505.60	\$ 342.77
Bruce Stokes	NC27	2	100	50	84.82	.84	140.00	55.18
Pluras Hendrix	Dixiel7	3	270	90	197.70	.67	468.00	270.30
Jerry Martin	Dixiel7	1	70	70	39.72	.79	98.00	58.28
Total - - - - -		10	844		552.07		1211.60	726.53
Average - - - - -				84	55.21		121.16	72.65

Summary Silage Production Demonstrations

Name	Variety	Acres	Tons Yield	Tons Per Acre	Cost	Value	Profit

Small Grains

Demonstrations were conducted for the purpose of demonstrating the economical production of barley, oats and wheat. We had completed this year two barley, two oat and five wheat demonstrations. Summaries of these demonstrations follow.

Summary of Barley Demonstrations

Name	Variety	Acres	Yield		Cost Prod.	Cost Per Bu.	Value	Profit
			Bus.	Per Acre				
Robert Butler	Calhoun	3	144	48	120.30	.84	\$288.00	\$167.70
Pluras Hendrix	Sunrise	5	300	60	190.00	.63	600.00	410.00
Totals		8	444		310.30		888.00	577.70
Average Per Acre				54		.735	111.00	72.20

Summary of Oats Demonstrations

Name	Variety	Acres	Yield		Cost		Value	Profit
			Bu.	Per Acre	Prod.	Per Bu.		
M. E. Hudson	Fulgrain	4	160	40	117.20	0.73	160.00	42.80
J. J. Hightower	Texas Red	4	200	50	120.00	.60	250.00	130.00
TOTALS		8	360		237.20		410.00	172.80
AVERAGE PER ACRE				45		.625	52.00	21.60

Summary of Wheat Demonstrations

Name	Variety	Acres	Yield		Cost		Value	Profit
			Bu.	Per Acre	Prod.	Per Bu.		
J. J. Hightower	Redheart	4	100	25	171.10	1.71	275.00	103.90
Harold Hudson	Redheart	2.3	87.4	38	128.30	1.47	196.65	68.35
T. M. Hudson	Redheart	5	100	20	198.30	1.98	275.00	76.70
George Jones	Clemson	5	110	22	206.05	1.87	302.50	96.45
G. J. Taylor	Hardird	5	150	30	181.80	1.21	412.50	230.70
TOTALS		21.3	547.4		884.55		1461.65	576.10
AVERAGE PER ACRE				27		1.65	292.33	115.22

Legumes For Hay

Hay production demonstrations are designed to show best methods of producing and curing quality hays. A heavy seeding rate, cutting early and proper curing are some of the important factors that were stressed. Two lespedeza and one alfalfa hay demonstrations were completed. A summary follows:

Summary of Lespedeza For Hay Demonstrations

Name	Variety	Acres	Cost	Cost		Profit
				Per Acre	Value	
R. D. Butler	Kobe	4	\$108.80	\$27.20	\$180.00	\$ 71.20
J. C. Edwards	Koreau	12	272.00	22.67	411.00	139.00
TOTALS		16	380.80		591.00	210.20
AVERAGE				24.05	37.00	13.14

Summary of Alfalfa Hay Demonstration

Name	Variety	Acres	Cost	Cost		Profit
				Per Acre	Value	
G. F. Balliew	Kansas	2	\$332.70	\$166.35	\$440.00	\$107.30

Legumes For Seed

Two lespedeza seed demonstrations were completed. Summaries of these follow.

Summary Lespedeza For Seed Demonstrations

Name	Variety	Acres	Pounds Seed	Cost	Value	Profit
L. E. Thompson	Kobe	4	2800	\$100.50	\$280.00	\$179.50
W. B. Smith	Kobe	7	4200	108.00	504.00	386.00

Annual Grazing Crops

Annual Grazing Crops: Dairy farmers are really going to town in the production and use of annual grazing crops. Successful demonstrations have shown the way and the development along this line has been remarkable. In 1948 we completed five annual grazing demonstrations. A summary of these follows:

Summary Annual Grazing Demonstrations

C. G. Bigham	9	Oats, barley, & rye grass.	96	1	\$336.60	\$745.00	\$408.40
Fred Caley	11	Barley, rye grass & crimson clover.	112	3.6	597.65	1792.00	1194.35
C. D. Jenkins	15	Italian rye & crimson clover.	187	4.2	815.50	1824.50	1009.00
W. G. Maddox	5	Italian rye & crimson clover.	148	8	290.10	1924.00	1633.90
C. F. Riddle	10	Italian rye & crimson clover.	56	3.5	416.50	1358.00	941.50
TOTALS	50		599	20.3	2,456.35	7,643.50	5,187.15
AVERAGE PER ACRE					49.13	153.87	103.74

Permanent Pasture Demonstrations

We cooperated with the Soil Conservation District Supervisors and other Agricultural Agencies in putting on an annual pasture contest in 1948. A total of 102 were enrolled in the contest. The contest results were very pleasing. A Greenville County grazing calendar was prepared and copies mimeographed for distribution. This calendar is in concise and convenient form and has been widely used. Excellent progress in pasture improvement was made during the year. A summary of four completed permanent pasture demonstrations follows:

Summary Permanent Pasture Demonstrations

Name	Acres	Crops	Days Animal Units		Cost	Value	Profit
			Grazed	Per Acre			
J. C. Alverson	2	Bermuda, Dallis, White & Ladino.	60	2	107.10	124.50	22.80
W. C. Bright	3	Dallis, Fescue, White & Ladino.	98	1.7	209.50	261.20	51.70
George Campbell	2	Bermuda, Dallis, White & Lespedeza.	137	3.5	116.46	225.00	108.54
B. J. Odom	2	Bermuda, Dallis, White, Ladino, & Lespedeza	204	2.3	46.45	240.00	193.55
TOTALS	9		499	9.5	479.51	850.70	376.59
AVERAGE PER ACRE					53.28	94.52	41.84

Turkish Tobacco Demonstrations

Turkish Tobacco Demonstrations: Aromatic Tobacco demonstrations in the county were increased to nineteen in 1948. Demonstrators were given very close supervision by the special assistant. Indications are that this crop which we are now growing on a very small scale should develop into an important crop in the county. Summary of Turkish Tobacco Demonstrations follows:

GREENVILLE COUNTY - 19 DEMONSTRATIONS

Name	Address	Actual			Acre		Price Rec'd
		Acreage	Yield	Return	Yield	Value	Per Pound
		(Lbs.)	(Lbs.)	(\$)	(Lbs.)	(\$)	(¢)
Wallace Sherman	Travelers Rest, 1	.26	419	314.25	1611	1208.25	.7500
M. B. Hawkins*	Travelers Rest, 1	.24	347	260.25	1445	1083.75	.7500
T. A. Hammond	Taylors, 1	.55	717	515.75	1303	937.38	.7194
T. J. Griffith	Greer, 5	.48	603	527.63	1256	1099.00	.8750
T. C. Almond*	Travelers Rest, 1	.48	598	448.50	1246	934.50	.7500
L. L. Durham	Greenville, 2	.65	805	524.22	1238	806.58	.6515
M. E. Hudson	Greenville, 2	.62	686	514.50	1106	829.50	.7500
C. E. Mosteller*	Greer, 3	.75	819	492.14	1092	656.18	.6009
A. C. Garrett	Simpsonville, 3	.30	306	229.50	1020	765.00	.7500
H. J. Gilreath, Jr.*	Travelers Rest, 1	.70	691	518.25	987	740.25	.7500
W. S. Smith*	Greenville, 2	.23	219	164.25	952	699.00	.7500
L. B. Pinson	Greenville, 4	.52	474	367.73	912	707.63	.7758
Worthy Smith	Greer, 5	.93	845	536.66	908	576.58	.6350
J. T. Cox	Greenville, 2	.26	203	152.25	781	585.75	.7500
W. L. Dean	Greer, 5	.74	564	383.58	762	518.16	.6800
D. R. Evins*	Travelers Rest, 1	.53	379	284.25	726	544.50	.7500
Reese Griffin**	Greer, 3	.48	330	247.50	688	516.00	.7500
H. F. Goodlett**	Taylors, 1	.19	90	67.50	474	355.50	.7500
W. M. Balcome*	Simpsonville, 1	.20	53	39.75	265	198.75	.7500
Total - - - -		9.11	9148	6588.46			

Average Acre Yield -- 1004 pounds
 Average Acre Value -- \$723.21

* Harvested about one-half of their crop
 ** Damaged by hail

ANIMAL HUSBANDRY

Animal husbandry work in 1948 consisted chiefly in working with livestock farmers in pasture improvement and feed production. Relatively few farms are adapted to commercial beef production. Hogs are raised chiefly for home use. Considerable educational work on the killing and curing of pork was done. Two pure bred beef bulls and two pure bred boars were placed in 1948. Summaries follow.

Purebred Beef Bulls Placed in 1948

Name	Number	Breed	Age
J. D. Hopkins	1	Hereford	Mature
W. W. Kellett	1	Hereford	10 Months

Purebred Boars placed in 1948

Name	Number	Breed	Age
W. F. Butler	1	OIC	11 Months
Mr. West	1	OIC	6 Months

DAIRYING

The office cooperated with the Greenville Milk Producers Association and worked with owners of dairy herds in improving their cattle and particularly in the development of permanent pastures and annual grazing crops. A strong 4-H Calf Club program was carried on. The pure bred dairy calf club showed at the Fairview and Greenville County Fairs where they won nearly all premiums in both the Junior and Open classes. County Agent assisted in supervision of the Greenville Cooperative Artificial Breeding Association through which 703 cows were bred to outstanding bulls.

Purebred Dairy Cattle

Purebred dairy cattle placed: We placed one purebred dairy bull and eight females in 1948. Summaries follow.

Summary Dairy Bulls Placed

Name	Number	Breed	Age
H. R. Stephenson	1	Jersey	Calf

Summary of Purebred Females Placed

Name	Number	Breed	Age
Abe Collins	1	Jersey	Calf
Jackie Barton	1	Jersey	Calf
Bobby Kellett	1	Jersey	Calf
John Kellett	1	Jersey	Calf
Don Stokes	1	Jersey	Calf
John Phillips	1	Jersey	Yearling
C. W. Chandler	1	Guernsey	Cow
A. S. Janik	1	Guernsey	Cow
TOTAL	8		

ENTOMOLOGY AND PLANT PATHOLOGY

The extension program in entomology and plant pathology consisted of work relating to the prevention and control of insect pests and plant diseases and to bee work. The Greenville Bee Club was organized with a membership of around 75 people. Monthly meetings were held and a very active program was carried on.

Crop Diseases

Cotton seed treatment: The practice of treating cotton seed has become rather general. We have in the county several commercial establishments that clean, grade and treat seed. Two new ones started up during the year. We estimate that around 70 to 75 percent of cotton seed planted in the county are treated.

Smut control: Wide publicity was given to the matter of controlling smut in our small grains. People are urged to treat all seed that are planted.

Insects

Boll Weevil Control: Under the leadership of the County Agricultural Committee, the agricultural workers of the county were organized for conducting a boll weevil control campaign. Wide publicity was given to effective results obtained by experiment stations from use of the new organic poisons. Infestation counts were made weekly on selected farms in different parts of the county and publicity given to these. Timely circular letters were sent to mailing list giving poisoning information. The campaign was successful and we had by far the greatest amount of poisoning ever done and results were very good on the whole.

General Insect Control: Through letters, radio, newspapers and personal contacts, large numbers of people were advised in regard to control of insect pests. These included weevils in stored grains, household insects, pine beetles, orchard and garden pests.

Cattle and Hog Lice Control: Through demonstrations and otherwise, farmers were taught methods of controlling livestock insect pests.

Orchard Insect Control: In recent years our commercial peach growers have not done the best possible job in controlling insects in their orchards. A special campaign for preventing and controlling orchard insects and diseases was put on. The campaign was a success and in 1948 we marketed the best quality peaches that we have sold in some years.

FORESTRY

The forestry program in 1948 consisted chiefly of general educational work, cooperation with the State Forestry Service and the Greenville Fire Protective Association. We also conducted woodland examinations for selective cutting and had forestry programs in 4-H Clubs.

Woodland Examinations and Selective Cutting: Any farmer in South Carolina could have a free woodland examination of his property by merely asking the county agent for this service. He had a choice of learning to mark and scale trees to be removed or of hiring the work done at a reasonable charge. Summary follows of the work done in the county this year.

Summary Woodland Examinations

Landowner	Acres Examined	Acres Marked	Bd. Feet Marked
Joe C. Bates, Jr.	163		
Greater G'ville Sewer Dist.	46	46	56,240
G'ville Council Girl Scouts	10	5	29,290
Mrs. J. E. Henderson	41		
J. N. Hodges	74	25	65,400
Miss Nora Moore	140		
R. K. Rouse	194		
M. T. Stevens & Sons	766		
Mrs. Clara B. Turner	165		
E. Godfrey Webster	10		
W. R. Williams	1165		
J. M. Whitmire	400	90	96,600
TOTAL	3174	166	247,530

Five Acre Pulpwood Thinning Contest: For the third year a Five Acre Pulpwood Thinning Contest was conducted jointly with the S. C. State Commission of Forestry. Four Pulp companies made available \$2465.00 in prize money for those doing outstanding work. The purpose of the contest was to promote better cutting practices and to conclusively prove that income can be substantially increased by using farm labor to move the produce closer to market. State prize was \$250. Three extension district prizes of \$125 each and three prizes were earmarked for each county. The contest started on September 1 and ended on February 28. County winners were judged by the district foresters and district and state winners were judged by a State Committee.

Summary Pulpwood Thinning Contest

Name	Place Won	Prize
E. D. Frye	First County	\$25.00

Forest Planting Demonstrations: In an effort to obtain a high survival of seedlings to be planted, we cooperated with the State Forestry Service in holding two planting demonstrations. All people who had ordered seedlings were specially invited to these demonstrations. Summary follows:

Summary Pine Seedlings Planted

Variety	Number
Loblolly	76,600
Slash	4,500
TOTAL	81,100

TREE FARMS SYSTEM

A tree farmer is a landowner who is following good forestry practices such as: Protection of his woodland from fire, insects, and diseases to the best of his ability; proper management by harvesting his timber crop in such a manner as to assure full utilization and productivity of the forests; and to provide adequate sources to restock all of the forest lands. S. B. Huff, Greenville County farmer, was elected a Tree Farmer in 1948.

Boys' 4-H Club Work was conducted with twenty-three clubs in Greenville County in 1948, with an enrollment of three hundred and forty-five farm boys. Each club was in charge of a local leader, and regular monthly meetings are held with each club.

Summary of enrollment and completions: Following is given a list of the clubs and a summary of enrollment and completions:

Summary 4-H Club Enrollment and Completions

Name of Club	No. Members Enrolled	No. Completed Demonstrations	Percent Members Completing Demonstrations
Belvue	13	9	69
Brushy Creek	16	14	88
Chandler	21	20	95
County Miscellaneous	5	4	80
Dairy Calf	17	16	93
Double Springs	16	6	38
Ebenezer	15	6	40
Ebenezer-Welcome	11	7	64
Ellen Woodside - Jr.	15	13	87
Ellen Woodside - Sr.	20	11	55
Gowansville	11	3	27
Jordan	29	19	66
Lenoah	15	14	93
Locust	9	6	66
Mission	10	2	20
Mt. View	27	12	44
O'Neal	12	4	33
Pleasant Grove	15	12	80
Pliney	12	10	83
Reids	19	8	42
St. Albans	19	6	33
Tigerville	11	8	73
West Dunklin	14	6	43
Tractor Maintenance	28*	-	-
TOTALS	345	216	63

*The tractor maintenance club consists of 28 members all of whom are included in the membership of the other clubs.

Following is given a summary of 4-H Club enrollment of boys and yearly completions from 1933 - 1948:

1933-1948 Four-H Club Enrollment

Year	Enrollment	Completions	Percent Completions
1933	162	65	40
1934	126	67	53
1935	147	82	56
1936	193	82	42
1937	239	111	46.4
1938	253	204	80
1939	236	201	85
1940	208	172	82.7
1941	206	134	65
1942	172	96	55.8
1943	181	146	80.6
1944	230	145	63
1945	236	193	81.3
1946	271	172	63
1947	349	210	60.2
1948	345	216	63
TOTALS	3554	2296	63.3

Summary 4-H Club Demonstrations: Following is given a summary of 4-H Club Demonstrations completed in 1948:

Summary Completed Demonstrations - 1948

Demonstration	No. Completed	Value		
		Products	Cost	Profit
Bee	1	\$ 20.00	\$ 1.00	\$ 19.00
Beef Calf	4	921.60	644.00	278.26
Corn	41	3,998.75	2,111.69	1,860.40
Cotton	180	5,863.18	2,524.07	3,337.11
Dairy Calf	38	6,191.00	4,589.10	1,591.90
Garden	12	564.20	186.10	378.10
Irish Potato	1	28.80	5.75	23.05
Pig (B)	4	240.00	167.65	73.35
Pig (F)	58	3,740.50	2,755.57	1,037.97
Pig (SL)	8	1,571.50	903.10	669.00
Poultry	24	2,998.44	1,953.00	1,046.44
Sweet Potato	6	162.00	67.25	94.75
Wheat	2	112.00	70.00	42.00
TOTALS	216	\$26,411.97	\$15,978.28	\$10,451.33

This summary shows that the 4-H Club boys completed 216 demonstrations, produced farm products to the value of \$26,411.97, at a cost of \$15,978.28, leaving them a profit of \$10,451.33.

Summary Cotton and Corn Yields by 4-H Club Boys' - 1933 - 1948: Following is a summary of the average annual yields per acre of cotton and corn produced by 4-H Club boys' in Greenville County for the period 1933 - 1948, as compared to the county average:

Summary Cotton and Corn Yields 1933 - 1948
4-H Club Boys

Year	Average Bushels Corn Per Acre	Average Pounds Lint Cotton Per Acre
1933	32.0	480
1934	30.4	559
1935	45.5	500.7
1936	35.8	418
1937	34.0	625
1938	32.0	484
1939	31.1	540
1940	32.3	609
1941	32.3	411
1942	49.6	487.4
1943	33.5	448.4
1944	30.2	465.3
1945	26.7	482.0
1946	44.2	316
1947	37.9	446.7
1948	36.6	428
County Average	22.0	284.0
4-H Average	35.9	456.4

4-H Club Records

Following is given a summary of 4-H Club records completed in 1948:

Summary Pig Club Records (Fattening)

Name	No. Animals	Days Fed	Gain in Wt.	Value	Cost	Profit
Farrell Howard	1	300	275	\$ 66.00	\$ 46.00	\$ 20.00
Walter Stokes	1	330	270	66.00	51.00	15.00
Joe Clark	1	330	275	66.00	49.00	17.00
Tommy Phillips	1	290	275	66.00	46.00	20.00
Bobby Duncan	1	180	235	75.00	62.10	12.90
Douglas Center	1	300	295	71.50	12.00	11.50
Cecil McJunkin	1	195	190	47.00	41.30	6.70
Alvin Howard	1	210	340	80.00	62.50	17.50
Junior Eakburn	1	270	265	58.30	42.65	15.65
Edward Kimbrell	1	180	180	46.00	35.95	10.05
Farrell Sloan	1	294	295	59.00	45.00	14.00
Billy Forrester	1	235	300	69.00	60.00	9.00
Lynn Bomar	1	200	195	70.00	42.50	27.50
Easley Kemp	1	150	150	35.00	23.00	12.00
Robert Jenkins	2	97	290	75.40	38.65	36.75
Bobby Bomar	1	270	290	72.00	57.00	15.00
Steve Ross	1	270	395	80.00	68.50	11.50
H. G. Woods	2	300	650	154.00	80.00	74.00
Larry Loftis	1	200	175	43.75	35.00	8.75
Bobby Joe Wright	1	200	250	70.00	25.00	45.00
Gene Charping	1	180	190	47.50	29.25	18.25
Danny Charping	1	200	215	62.50	35.00	27.50
Billy Hice	1	240	220	59.00	45.00	14.00
Marvin Thompson	1	270	220	59.00	43.00	16.00
Charles Gosnell	1	270	260	63.00	52.25	10.75
Dallas Parker	1	210	225	45.00	35.50	9.50
Franklin Bennett	1	171	120	46.00	37.00	9.00
Milton Mahaffey	1	190	210	48.00	35.05	12.95
Alton Yeargin	1	180	160	40.00	33.00	7.00
Richard Crawford	1	300	360	80.00	59.00	21.00
James Chapman	1	160	155	38.75	30.00	8.75
David Kellett	1	300	225	45.00	30.00	15.00
Bobby Sullivan	1	300	230	69.00	52.00	17.00
Marshall Mullinax	1	150	145	43.00	37.00	6.00
Edward Pace	1	300	420	90.00	72.54	17.50
Carroll Bowers	1	240	160	48.00	41.00	7.00
Elvin Moon	1	210	220	65.00	58.60	6.40
J. W. Henson	1	270	325	70.00	60.00	10.00
Rudy Dill	1	300	425	92.00	81.00	11.00
Lewis Fricks	1	225	220	57.50	45.00	11.50
Emory Hill	1	300	270	62.50	55.00	6.50
Miles Crain	1	210	220	50.00	30.00	20.00
Millard Robinson	1	306	286	75.00	60.00	15.00
Bobby Coates	1	301	325	60.00	30.88	29.12
Marvin Chandler	1	295	400	80.00	72.50	7.50
James Sloan	1	350	430	86.00	60.00	26.00
Cecil Edwards	2	270	620	161.00	112.00	49.00
Calvin Waters	1	270	315	72.00	52.00	20.00

Summary Pig Club Records (Fattening) Continued

Name	No. Animals	Days Fed	Gain in Wt.	Value	Cost	Profit
Damon Clark	1	130	120	\$ 34.50	\$ 27.00	\$ 7.50
James Taylor	1	190	200	46.00	38.00	8.00
Wade Tate	1	240	250	58.50	43.10	15.40
A. J. Painter	1	255	360	82.00	66.00	16.00
Mac Lynn	1	120	100	25.00	12.00	13.00
Marian Smith	1	300	310	60.00	49.75	10.25
Tommie Patrick	1	300	275	75.00	40.00	35.00
Walter Brashier	1	180	255	60.00	43.00	17.00
B. J. Roper	1	300	270	60.80	42.00	18.80
Billy Harbin	2	700	620	154.00	88.00	68.00
TOTALS	62	14,484	15,921	3,740.50	2,755.57	1,037.97

Summary Dairy Calf Club Records

Name	No. Animals Beginning Year	No. Animals End Year	Value	Cost	Profit
Jimmie Verdin	1	1	\$ 243.00	\$ 170.00	\$ 73.00
Larry Stokes	1	1	261.00	96.40	164.60
Margaret Stokes	1	1	218.00	96.40	121.60
Ralph Phillips	1	1	227.00	123.00	104.00
Don Stokes	1	1	195.00	97.00	98.00
Bobby Hughey	1	1	200.00	188.00	12.00
Kenneth Waters	1	1	85.00	65.00	20.00
Carl Gosnell	1	1	110.00	90.50	19.50
Theron Griffith	1	1	120.00	97.00	23.00
David Lollis	1	1	35.00	25.00	10.00
Bryant Kellett	1	1	150.00	130.00	20.00
Jimmie Hamby	1	1	155.00	132.00	23.00
Charles Moon	1	1	128.00	102.25	25.75
C. W. Chandler	1	1	354.00	307.00	47.00
Sampson Kellett	1	1	78.00	67.75	10.25
Gary Miller	1	1	100.00	78.50	21.50
Freeman Rumsey	1	1	100.00	54.00	46.00
Billy Kellett	1	1	75.00	50.25	24.75
Billy Perry	1	1	100.00	77.25	22.75
Furman Paris	1	1	60.00	32.05	27.95
Bobby Kellett	1	1	205.00	169.00	36.00
John Kellett	1	1	205.00	187.00	18.00
Jack Barton	1	1	160.00	121.50	38.50
Alton Fowler	1	1	305.00	209.50	95.50
Boyd Odom	2	2	416.00	300.00	116.00
Gerald Dill	1	1	125.00	88.00	37.00
Joe Campbell	1	1	150.00	108.00	42.00
Robert Culberston	1	1	150.00	120.00	30.00
Jimmie Wooten	1	1	164.00	140.00	24.00
Gerry Harvey	1	1	125.00	92.25	22.75
William O'Shields	1	1	85.00	68.00	17.00
Gary Hawkins	1	1	75.00	60.00	15.00
Eddie Haulter	1	1	125.00	97.50	27.50
Harold Hudson, Jr.	1	1	147.00	124.00	23.00
Donald Anthony	1	1	130.00	115.00	15.00
J. R. Julian	1	1	165.00	140.00	25.00
Ray Phillips	2	2	325.00	250.00	75.00
Wade Brown	1	1	140.00	120.00	20.00
TOTALS	40	40	6,191.00	4,589.10	1,591.90

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Summary Corn Club Records

Name	Acres	Yield Bu.	Value	Cost	Profit
Truman Pittman	1	40	\$ 56.00	\$ 40.00	\$ 16.00
Cecil Benson	4	160	224.00	67.80	156.20
Roland Benson	1	35	49.00	29.25	19.75
Frank Grant	1	35	49.00	33.25	15.65
Paul Stokes	3	100	155.00	69.55	85.45
Albert Campbell	3	120	168.00	56.80	111.20
Joe Hawkins	1	50	70.00	33.35	36.65
Bruce Stokes	2	140	140.00	84.82	55.18
Hugh Brown	1	30	42.00	25.15	16.85
Gary Smith	1	30	42.00	27.70	14.30
Benny Beachman	1	40	56.00	40.80	15.20
Morris Brown	1	35	49.00	20.85	28.15
Billy Duncan	2	60	90.00	41.75	48.75
Junior Monroe	4	140	196.00	74.60	121.40
Arthur Vaughn	1	35	49.00	21.86	27.14
Randolph Browning	2	80	112.00	54.80	57.20
Billy Cooley	3	120	168.00	66.95	101.05
John Thomas Chapman	1	24	33.60	22.55	11.05
Haney Monroe	1	29	40.60	22.00	18.60
David Brooks	1	33	46.20	24.25	21.95
James Wood	1	25	35.00	25.20	9.80
James Epps	5	100	140.00	125.00	15.00
Joe Owens	6	180	252.00	165.00	87.00
Randolph Irby	1	45	63.00	33.50	29.50
Jack Perry	2	100	140.00	69.40	70.60
J. C. Perry	1	40	56.00	32.95	13.05
Franklin Southern	1	55	77.00	23.75	43.25
Billy Sudduth	2	100	140.00	75.50	64.50
Wilbur White	1	60	84.00	36.40	47.60
Billy Joe Paris	4	120	168.00	140.80	19.20
Roger Chastain	1	45	68.75	21.70	47.05
Jerry Martin	2.4	144	201.60	97.51	104.03
Billy Burns	1	25	38.00	33.20	4.80
Frankie Brown	1	40	56.00	25.20	30.80
Larry Garrett	1/2	20	28.00	16.50	12.50
Leland King	5	150	210.00	100.00	110.00
Ralph Campbell	4	120	168.00	90.00	78.00
Legion King	1	35	49.00	30.00	19.00
David Bull	1	50	70.00	35.00	35.00
James Peace	2	70	98.00	65.00	33.00
Leonard Frazier	1/2	15	21.00	12.00	9.00
TOTALS	78.4	2,875	3,998.75	2,111.69	1,860.40

Summary Cotton Club Records

Name	Seed		Lint	Value	Cost	Profit
	Acres	Cotton	Cotton			
J. T. Farmer	2	2400	864	\$ 325.63	\$ 125.00	\$ 200.63
Jerry Lee Brown	1	1960	700	182.40	53.00	129.40
Pete Bennifield	3	3900	1404	500.35	198.50	301.85
Kenneth Bryant	1	1600	576	217.08	110.95	106.13
Donald Moize	1	1300	468	186.00	79.75	106.25
Marion King	4	4188	1500	566.01	300.90	265.11
Thomas Parker	1	1200	432	162.82	79.50	83.32
Bob Kilgore	2	2600	936	352.76	139.30	213.46
Edward Sullivan	2	1300	500	182.40	79.00	101.40
Robert Chapman	1	1300	468	176.38	81.75	94.63
Olin Pitts	1	1450	450	168.00	74.00	94.00
Frank Vance, Jr.	3	2600	1000	368.00	80.00	288.00
Thomas Coker	4	5200	1862	702.33	297.00	405.33
John T. Herd	1	1400	500	192.00	80.00	112.00
Furman Campbell	5	7300	2618	987.58	480.42	507.16
Bob Brown	1	1400	500	194.40	90.00	104.40
Junior Ledbetter	3	1700	612	231.04	120.00	111.04
Walker Doris	1	1200	450	168.00	55.00	113.00
TOTALS	37	44,998	15,840	5,863.18	2,524.07	3,337.11

Summary Sweet Potato Club

Name	Yield	Value	Cost	Profit
	Bu.			
Morris Gilstrap	10	\$ 27.50	\$ 14.00	\$ 13.50
Ronald Coker	8	22.00	10.00	12.00
Vanoy Barton	8	20.00	9.00	11.00
Clement Gosnell	10	25.00	6.25	18.75
John D. Greer	15	27.50	12.00	15.50
Billy Guest	20	40.00	16.00	24.00
TOTALS	71	162.00	67.25	94.75

Summary Pig Club Records (Sow and Litter Class)

Name	No. Pigs	No. Pigs	Value	Cost	Profit
	Farrowed	Raised			
Stokes Cook	5	5	\$140.00	\$ 60.00	\$ 80.00
Harry Plumblee	10	6	250.00	150.00	100.00
Robert Mosteller	25	20	355.00	225.00	130.00
Jack Coker	19	19	230.00	67.15	162.85
Bruce Griffith	12	8	231.00	172.95	58.65
Richard King	11	7	187.50	150.00	37.50
Rudolph Gambell	1	1	40.00	20.00	20.00
Henry Cothran	8	6	138.00	58.00	80.00
TOTALS	101	72	1,571.50	903.10	669.00

Summary Poultry Club Records

Name	Number	Value	Cost	Profit
Earle Bryant	103	\$ 142.75	\$ 73.79	\$ 68.96
Rex Wilbanks	102	142.00	101.65	40.35
Don Batson	30	42.00	15.60	26.40
Jack Billingsley	55	60.00	41.50	19.50
Marshall Arms	300	368.75	256.00	112.75
Edwin Fowler	54	32.10	15.35	16.75
Richard Hamby	100	138.50	62.55	75.95
Wilton Cooley	51	89.87	54.87	35.00
Charles Cooley	51	89.87	54.87	35.00
Roy Knight	102	176.40	124.50	51.90
Charles Turner	104	207.50	171.20	36.30
Pelham Davenport	100	110.00	55.00	55.00
Kenneth Jordon	102	132.00	91.10	40.90
Bobby King	103	154.00	133.75	20.25
James Lee	25	36.00	17.50	18.50
Jimmy Taylor	60	70.80	25.00	45.80
Ralph Bennett	50	75.00	47.32	27.68
Keith Lindsey	100	140.00	93.25	46.75
Roger Chastain	104	184.25	113.70	70.55
Donald Anthony	102	230.50	167.80	62.70
Dickie Campbell	101	129.00	64.00	65.00
Hugh Fowler	102	177.50	125.50	52.00
Cecil Ausburn	30	23.40	19.20	4.20
Johnny McCall	40	46.25	28.00	18.25
TOTALS	2,071	2,998.44	1,953.00	1,046.44

Summary Beef Calf Club Records

Name	No. Animals	Days Fed	Gain in Wt.	Value	Cost	Profit
Bobby Arms	1	270	200	\$ 83.60	\$ 41.00	\$ 42.60
Stansel Kemp	1	230	270	85.00	68.00	17.00
Alfred Sexton	1	210	300	80.00	55.00	25.00
Billy Hendrix	2	660	1605	673.00	480.00	193.66
TOTALS	5	1370	2375	921.60	644.00	278.26

Summary Irish Potato Record

Name	No. Acres	Yield	Value	Cost	Profit
Ralph Green	1/20	8	\$28.80	\$ 5.75	\$23.05

Summary Garden Club Records

Name	Acres	Yield		Value	Cost	Profit
		Bu.				
Donald Coker	1/4			\$ 16.20	\$ 5.00	\$ 11.20
Ronald Strange	3/4			65.00	21.50	43.50
Billy Rainey	1/4			10.00	2.60	7.40
Bobby Lister	1/4			35.00	10.00	25.00
Frederick Lynn	1/4			33.00	14.25	18.75
Charles Ramsey	1/4			34.50	8.75	25.75
Junior Ramsey	1/4			35.00	10.00	25.00
Charles Taylor	1			65.00	28.00	37.00
Truman Odom	1/2			65.00	27.25	37.75
Wyndel Bryant	1/4			25.50	6.75	18.75
Thomas Southern	1/2			130.00	40.00	90.00
Gerald Tate	1/4			50.00	12.00	38.00
TOTALS	4 1/2			564.20	186.10	378.10

Summary Pig Club Records (Breeding)

Name	No. Animals	Days Fed	Gain in Wt.	Value	Cost	Profit
Billy Bright	1	260	275	75.00	36.15	38.85
Benny Dillard	1	150	155	44.00	30.50	14.50
Sammy Paris	1	300	215	55.00	49.00	6.00
TOTALS	4	980	910	240.00	167.65	73.35

Summary Bee Club Record

Name	Number of Hives	Amt. honey		Value	Cost	Profit
		Lbs.				
Tommy Fowler	1	40		\$ 20.00	\$ 100	\$ 19.00

Summary Wheat Club Record

Name	No. Acres	Yield		Value	Cost	Profit
		Bu.				
Eddie Harbin	2	56		\$112.00	\$ 70.00	\$ 42.00

4-H Club Camp

The annual 4-H Club encampment was held at Camp Bob Cooper, July 5-9, with an attendance of 82 clubsters and local leaders. The camp offered a very complete program of educational activities such as lamp making, water safety, electricity, weaving and tractor maintenance. For recreation, the clubsters participated in softball, swimming, rifle marksmanship, basketball, archery and many other various sports. Everyone attending enjoyed the encampment and are looking forward to such activities in the future.

4-H Rally Day

Our 4-H Rally Day was held at Paris Mountain State Park, April 10, 1948. Three hundred and twenty-five boys, girls, and local leaders attended. After a short program by the members, a song period and picnic was held. In the afternoon, all clubsters participated in games of their choosing.

4-H Judging Team

One dairy judging team of four members was trained. They won first place in the District and second place in the State Contest. Jimmie Verdin was highest scorer in Jersey Judging at District Contest and Billy Hendrix was highest scorer in Guernsey judging at the State Contest. J. R. Julian was the second highest individual scorer at District Contest. The other member of the team was Harold Hudson, who was third highest scorer in Guernseys at the State Contest.

4-H Contests

Eleven 4-H Club boys entered ten county, state and national contests. Harold Hudson, member of Dairy Calf Club was awarded a trip to National 4-H Club Congress for winning in the State Achievement Contest. Furman Campbell of the St. Albans Club received a fifty dollar bond as a winner in the Junior Health Improvement Contest and Billy Hendrix was placed third in the State Tractor Maintenance Contest. Jimmie Verdin received a twenty-five dollar bond for being a winner in the Dairy Production Contest and John Welter was awarded a lifetime membership in the State Agricultural and Mechanical Society of South Carolina for his previous achievements.

4-H Tractor Maintenance School

A 4-H Club Tractor Maintenance School was held June 22 and 25 with an average attendance of 46 Four-H Clubsters and leaders. Our tractor maintenance club has an enrollment of 28 members, all of which attended the school.

Sears Foundation Poultry Contest

Ten 4-H Club boys received 1000 New Hampshire Red chicks on entering the Sears Foundation Poultry Contest. On September 24, a poultry show and sale was held in Greenville at which time 120 pullets from the clubsters' flock were exhibited and judged. Following the show, contestants and their parents attended a luncheon. At the sale, the 120 pullets brought a total of \$321.30 or an average price of \$2.68 each.

Officer and Leadership Training School

One hundred and eighty boys and girls club officers and local leaders attended the Officer and Leadership Training School held in Greenville on February 27. Each club officer and local leader received training in the duties and responsibilities of his job. After the training period, those present attended a banquet given in their honor. At this time, local leaders of outstanding service were presented with the appropriate 4-H Club pins.

Columbia Fat Stock Show

Billy Hendrix of Berea Community exhibited and sold one fat calf at the Columbia Fat Stock Show. The calf placed seventh and Billy was awarded fifteen dollars for its placing choice. The calf weighed 1045 pounds and sold for \$347.46, or a price of 33.25 cents per pound.

Fair Exhibits

Following are summaries of 4-H Club exhibits at Shows and Fairs:

Summary Dairy Cattle Shows and Fairs

Exhibits	Location of Show or Fair	No. of Boys Exhibiting	No. of Entries	Placings	Premiums
Dairy Cattle	Fairview	16	19	22	\$ 213.00
Dairy Cattle	Greenville	9	11	41	294.00

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Summary of 4-H Club Corn Exhibits

Exhibits	Name of Fair	No. Entering	Placings	Premiums
Corn	State Fair	8	5	\$ 5.40
Corn	County Fair	8	3	4.50

SEARS POULTRY CHAIN 4-H PROJECT

(~~Joint~~ - Including Boys ~~and Girls~~ - Total for County)

1. County <u>Greenville</u>	Year <u>1948</u>
2. No. Sears Club members <u>10</u>	Sexed chicks <input checked="" type="checkbox"/> Unsexed chicks <input type="checkbox"/>
3. Chicks started - No. <u>1026</u>	Cost \$ <u>195.00</u>
4. No. chicks raised to broiler age <u>940</u>	
5. No. broilers sold <u>275</u>	
6. Feed consumed - Lbs. <u>7636</u>	Cost \$ <u>474.34</u>
7. Other expenses:	\$ <u>69.75</u>
8. Total value broilers sold, eaten and on hand at end of 12 weeks	\$ <u>1160.85</u>
9. Profit to 12 weeks of age (Add lines 6 and 7 and subtract from line 8)	\$ <u>616.76</u>

10. No. pullets left at 12 weeks	<u>665</u>
11. Feed consumed - Lbs. <u>11,546</u> (From 12 weeks to date of sale)	Cost \$ <u>630.30</u>
12. Other expenses - 12 weeks to date of sale	\$ <u>55.00</u>
13. Estimated value of all pullets raised at date of sale	\$ <u>1124.00</u>
14. Profit - 12 weeks to date of sale (Add lines 11 and 12 plus estimated value of pullets return to chain and subtract from line 13)	\$ <u>386.45</u>

15. No. pullets auctioned	<u>120</u>
16. Total selling price all pullets returned to chain	\$ <u>321.30</u>
17. Average selling price per pullet	\$ <u>2.68</u>

This is a special joint report. These records to be reported with other 4-H poultry records in annual report.

HORTICULTURE

Greenville County has a fairly large commercial peach industry. Much work was done with these commercial growers in helping them with their production problems. Two pruning demonstrations attended by 103 people were held. The monthly garden letter was sent to many home gardeners. Much assistance was also given to truck farmers, other home gardeners and home orchardists.

Gardens

Home Gardens: The monthly garden letter was sent to 133 families who requested it. Additional copies were given out to many other people as were a great many garden bulletins. Many people were advised regarding home gardening problems.

Orchard Cover Crops

Demonstrations have shown that it is good orchard management to grow winter cover crops in commercial orchards. Most of the peach growers now make a practice of having these winter cover crops. One orchard cover crop demonstration was conducted. A summary follows:

Summary Orchard Cover Crop Demonstration

Name	Crop	Acres	Growth Turned Under
C. B. Loftis	Austrian Peas	20	Excellent

Sweet Potatoes

For several years we have been bringing in rather large quantities of improved sweet potato seed stock. By means of this and better production practices, the quality of sweet potatoes produced in the county has been materially improved. One sweet potato production demonstration was conducted in 1948. Summary follows:

Summary Sweet Potato Production Demonstration

Name	Variety	Acres	Yield Bu.	Cost	Value	Profit
A. V. Tribble	Porto Rico	1	200	\$328.50	\$650	\$321.50

Sorghum For Syrup

We conducted one sorghum for syrup demonstration in 1948. The William's Variety was used. This appears to be an excellent syrup variety which gives a higher yield of a superior syrup. Summary of this demonstration follows:

Summary Sorghum For Syrup Demonstration

Name	Variety	Acres	Gals. Syrup	Bus. Seed	Cost	Value	Profit
T. A. Hammond	Williams	1.5	76	35	\$241.70	\$464.50	\$222.80

Commercial Peach Production

Work with commercial peach growers was of an educational nature in orchard management. Growers depend greatly upon the extension service for furnishing information and giving demonstrations in pruning and spraying and orchard management in general. A strong and successful campaign for the production of better quality peaches was carried out during the year. An orchard letter prepared by the Extension Horticulturist was mailed to all growers from time to time.

Commercial Plantings: We have not greatly encouraged additional plantings in recent years, however, there have been some additional plantings. On the other hand, some old orchards have been pulled up. A complete survey of trees in orchards was made in 1946 and estimates of plantings made since that date have been made.

Plantings of Commercial Peach Orchards

Age	Number Trees
1 year	6,000
2 years	5,000
3 years	3,500
4 years	2,500
5 years	4,500
6 years and over	252,000
TOTAL	273,500

The quality of peaches produced in the county in 1948 was the best we have had for a number of years. However, a late frost practically wiped out the crop in some orchards and greatly reduced yields in others. On the other hand, certain growers had almost full crops. Dry weather adversely affected the size of peaches. It was practically impossible to get accurate figures regarding the value of the county's peach crop, but I estimate it returned around \$750,000.

MARKETING

The County Agent and Marketing Specialist have done a great deal of work in connection with the establishment of a produce market in Greenville. A rather complete survey of the Greenville market situation was made by representatives of the United States Department of Agriculture Bureau of Markets.

A site has been purchased and the market is now under construction. Aid has been given to farmers in marketing surplus products. Federal inspection service was made available to shippers.

Marketing Surplus Farm Products: The strong demand during the year for farm products made it unnecessary for the office to do much of this type of work. Work done was chiefly educational in getting growers to produce and market quality products. We helped market surplus cotton planting seed.

A wholesale poultry concern cooperates with us in furnishing a year round market for surplus poultry. Trucks are operated over the surrounding territory and a large amount of poultry is yearly sold in this way.

POULTRY

We are making progress in poultry and egg production in the county. As a result of educational work and demonstrations over a period of years, flock management practices have been greatly improved. However, we need more poultry in the county. An excellent Sears Poultry Club project was carried out by ten boys. A report of this is included under 4-H Club work. A summary of flock improvement demonstrations follows:

Summary Flock Improvement Demonstrations

Name	No. Birds	No. Birds Reacted	No. Birds Culled	No. Doz. Hatching Eggs Sold	Value With Premium
Atkins, Ernest	169	0	25	856	\$ 667.15
Bogle, George	2,282	0	73	2,160	1,684.80
Burton, J. R.	233	0	0	1,497	1,167.66
Chapman, H. A.	495	0	30	2,599	2,019.79
Few, A. C.	214	0	2	417	324.48
Mills, George	586	0	4	3,132	2,439.38
Stokes, J. A.	521	0	1	2,920	2,271.92
TOTALS				13,581	10,575.18

VISUAL INSTRUCTION

Visual Instruction work consisted of the use of educational motion pictures, slides, charts, photographs and models.

Educational Motion Pictures: Motion Pictures were shown at 47 farm and 4-H Club meetings with a combined attendance of 2,092 people.

Summary Motion Pictures

Aid Used	No. Meetings	Attendance
Motion Pictures	47	2,092

A. A. A. ACTIVITIES

The agents have continued to cooperate in the educational features of the AAA program. We have endeavored to use the soil building practice payment feature as a tool to get our farmers to improve their farms and to increase their profits by earning the adapted practice payments.

Many of our community and neighborhood leaders are also AAA Committeemen and they have been helpful in carrying the program to the people.

PUBLICITY

Publicity work and the distribution of educational information with the 1948 Extension program in Greenville County was done through radio, circular letters, press articles and the distribution of bulletins. A summary of work done in this connection is given as follows:

Individual letters-	983
Circular letters.	72
Copies mailed.	12,217
Press articles.	801
Bulletins distributed	2,662
Radio programs.	50

Circular letters: A total of 72 circular letters were prepared and 12,217 copies mailed to farmers and 4-H Club boys in Greenville County in 1948. These letters contained information on timely agricultural and experimental work. Specimen copies of circular letters are attached to this report.

Press Articles: A total of 801 press articles on timely agricultural interests were published in Greenville County newspapers during the year.

Bulletins distributed: A total of 2,662 bulletins were distributed to farmers and 4-H Club boys during the year.

306

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Greenville, South Carolina
January 24, 1948

To Greenville County Farmers:

Our annual Farm Outlook Meeting will be held in the Council Room, second floor of Old Post Office Building, in Greenville at 10:30 Thursday morning, January 29, 1948.

ANNOUNCING
OUTLOOK
MEETING
JAN. 29
10³⁰ A.M.



We have arranged a program for this meeting that should appeal to all farm people. District Agents Massey and Lanham will make brief presentations of the General Farm and Home Outlooks for 1948. C. G. Cushman, Specialist in Charge of Dairy Extension, will discuss Dairying Possibilities in Greenville County and H. G. Boylston, Cotton Improvement Specialist, will talk on Boll Weevil Control with special emphasis on the new poisons that have proven so effective in combatting the ravages of the boll weevil.

All talks will be short and to the point and we expect the meeting to be over by around 12 o'clock.

You and all other farm people are cordially invited to meet with us.

Very truly yours,

W. R. Gray

W. R. Gray
County Agent

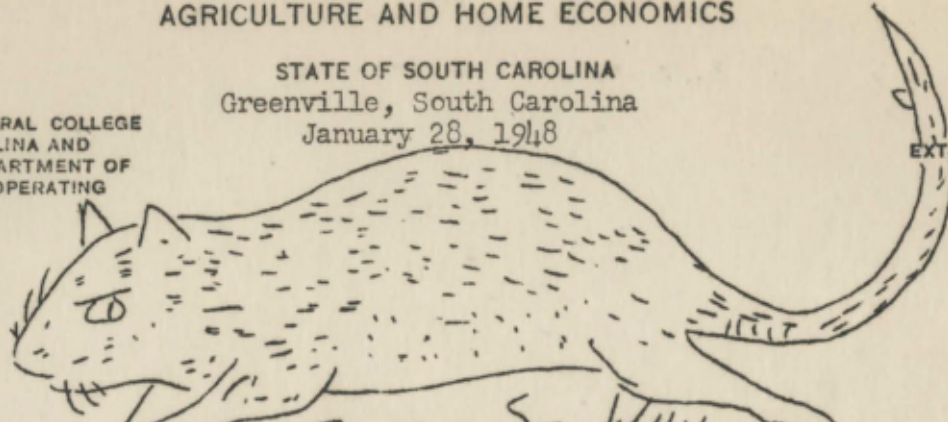
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COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA
Greenville, South Carolina
January 28, 1948

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE



YOU CAN'T SELL RATS - SO WHY FEED 'EM?

To Greenville County Farmers:

Friday, February 20 will be "Death to Rats Day" on Greenville County farms. All the agricultural agencies in the county are cooperating in the rat eradication campaign and it is hoped that every farmer will put out his poison bait on that evening. It is estimated that losses caused by rats in South Carolina annually amounts to from 5 to 10 million dollars and certainly Greenville County's share of this is several hundred thousand dollars.

The world needs grains and other food products too badly for us to let rats destroy and mess them up by the thousands of tons. Then, too, think of the money loss with these products selling at the present high prices.

The poison to be used is Red Squill mixed with a ground fish bait. It is deadly to rats but harmless to people, poultry and other domestic animals. The bait will be prepared and put up in farm size packages, and arrangements are being made to have it distributed at convenient places all over the county.

We must know in advance how much poison and bait will be required. February 12 is the deadline for this--let your requirements be known by that date. The delivery date is February 20.

See or call our offices or any of the following for detailed information: Your Vocational Agriculture Teacher, Farm and Home Administration, Soil Conservation Service, AAA and Production Credit Association workers.

Rats travel from farm to farm. Contact your neighbors and get them to join you in a community wide rat killing campaign.

Very truly yours,

Myrtle Mesbitt
Myrtle Mesbitt
Co. Home Dem. Agent

W. R. Gray
W. R. Gray
County Agent

P. S. Newspapers and Radio will carry full details of the campaign.

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Greenville, South Carolina
April 12, 1948

In our last letter we recommended that fertilizer be applied ten days before planting of your cotton seed if it was at all possible. Side placement of fertilizer is desirable where equipment is available. Place the fertilizer 2 to 3 inches to the side of the drill and two inches below seed level. If equipment is not available to do this, follow the fertilizer distributor with a small shovel plow or bull tongue to mix the fertilizer before bedding. This will help prevent the young sprouts from becoming damaged when the roots come in contact with a concentrated roll of fertilizer. We also recommend the use of 500 to 1000 pounds of fertilizer per acre under cotton depending on soil type and fertility of the land. The formulas recommended were 4-10-16, 4-8-8, 5-10-5 and 3-9-9.

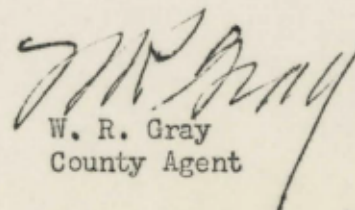
Be sure to plant on a firm seed bed as soon as danger from cold weather is past.

Use at least 1 bushel per acre of seed germinating not less than 80%. Where tests show less than 80% germination, increase the amount of seed per acre in proportion. A full crop is not possible without a full stand. To help insure a full stand, it is recommended that cotton seed be treated with either Ceresan-M dust or Dow-9-B. When using Ceresan-M on fuzzy cotton seed, use $1\frac{1}{2}$ ounces of the dust per bushel. On mechanically delinted cotton seed, use 3 ounces per 100 pounds. If you choose Dow-9-B, use 4 ounces per 100 pounds on fuzzy cotton seed and 3 ounces per 100 pounds on delinted cotton seed. There is another material called Mycotox or Seedox that is generally available now, but is expected to be sold commercially during 1949. This material shows promise and is being used in result demonstrations throughout the state.

Do not chop or thin cotton until after the seedlings are about 3 inches high. This will give you an idea of what your stand will be. When thinning or chopping your cotton, leave 2 or 3 stalks per hill every hoe width apart. Do not destroy your stand of cotton by chopping out too much or by carelessly hoeing or plowing. Cultivate shallow and only often enough to control weeds.

On most lands it is advisable to side dress with 150 to 200 pounds per acre of readily available nitrogen fertilizer. If 200 pounds per acre is used, divide it into 2 applications -- the first right after chopping and the second about 3 weeks later, depending upon weather conditions. Where cotton has had rust in previous years or where legumes are turned under before cotton is planted, use 50 to 100 pounds of muriate of potash per acre with first application of nitrogen.

The commercial representatives of chemical companies and dust machinery companies state that due to the present coal strike they are expecting in the near future a shortage of cotton dusters and transportation for cotton insecticides. Be sure to get yours now while there is a supply!


W. R. Gray
County Agent

Greenville, South Carolina

June 2, 1948

MORE COTTON PER ACRE

with

INSECT CONTROL

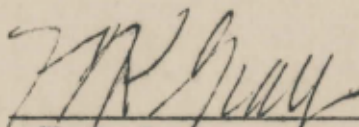
"Boll Weevil Poisoning - Materials and Methods" will be the theme of discussion at the farmers' meeting to be held in the court room of the County Courthouse at 10:30 o'clock, Saturday morning, June 5.

Our cotton is getting off to a late start and we need to make plans to combat the boll weevil. Have you decided what poison or poisons you will use and how and when you will apply them?

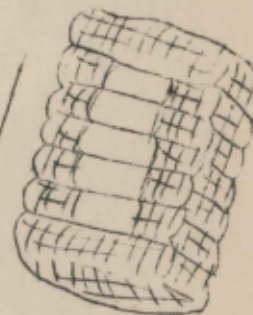
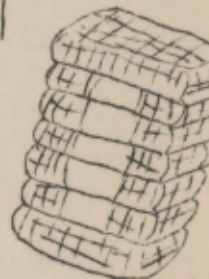
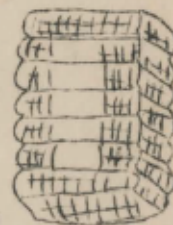
These and other matters pertaining to boll weevil control will be discussed by Clemson College Specialists and others at the meeting Saturday morning.

I sincerely wish that every cotton grower in the county could be at this meeting. Come if you can and urge others to do so.

Very truly yours,



W. R. Gray
County Agent



COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

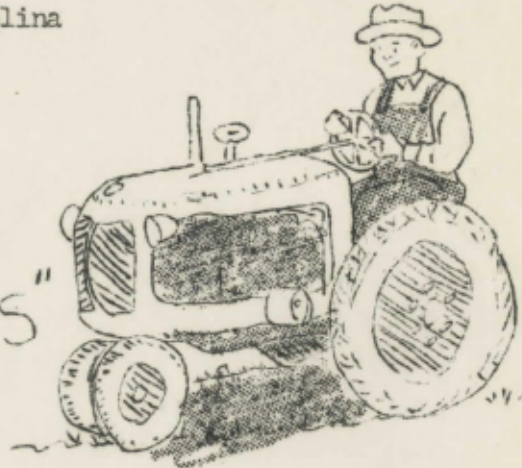
CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Greenville, South Carolina
June 18, 1948

"SKILLED 4-H
TRACTOR OPERATORS"

To: Certain 4-H Club Members



Dear Club Member:

We wrote you Tuesday about the Tractor Maintenance School. This is a popular 4-H Club program for machine age farming. It's the "Live Power" Tractor Maintenance Program for each one of you interested in increasing your knowledge and skill in caring for your tractor. Today your tractor is the most important farm machine you have.

Yes, when you know more about tractor maintenance and adjustment, you can do more to make your farm successful. Our aim is to see each one of you become the best tractor operator in his community.

And remember, this program has special county and state awards. In fact, each state winner gets a free, all-expense-paid trip to the National 4-H Club Congress in Chicago. Now, boys, that's worth working for!

Remember the time and place:

First meeting--June 22, 8 p.m., Greenville Implement Company, 229 Rhett Street, Greenville, S. C.

Second meeting--June 25, 8 p.m., P. L. Bruce Livestock Company, New Buncombe Road, Greenville, S. C.

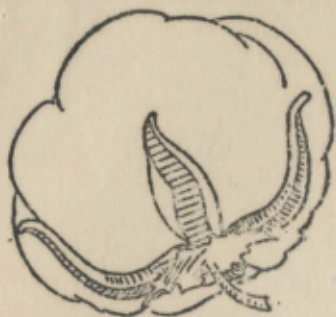
Looking forward to seeing you at both meetings.

Very truly yours,

J. K. Jones
J. K. Jones
Asst. County Agent

B. R. Leonard
B. R. Leonard
Asst. County Agent

cpt



COTTON LETTER

PRESENTING TIMELY INFORMATION

ON ALL PHASES OF COTTON PRODUCTION

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Greenville, South Carolina
June 22, 1948

Boll weevils are still emerging in Greenville County. Our crop averages quite late and stands are exceedingly poor. Some of the earliest cotton is now beginning to square freely. It's high time every cotton grower was deciding what he is going to do about the weevil this year. Dusting machines and poison may get scarce or be hard to get on short notice. Why not play safe and get yours now, if you have not already done so?

Keep a close check on your infestation so that you can poison intelligently. After squares are large enough to be punctured the infestation may be checked by the following method. Walk diagonally across your field and examine 100 squares. Select some from the top, middle and lower branches. Pull off those squares that have been punctured. When you have examined 100 squares you should be at the far side of your field. Count the punctured squares you have removed of the 100 you examined and that will give you the percentage infestation. The more counts you make the more accurate your determinations will be. BE SURE TO EXAMINE THE SQUARES AT RANDOM AND NOT SELECT ONLY THOSE THAT HAVE BEEN PUNCTURED.

If 8 or 10 percent of the squares are punctured, it is probably time to start dusting. If my office can help you, let us know.

Yours truly,

W. R. Gray
County Agent

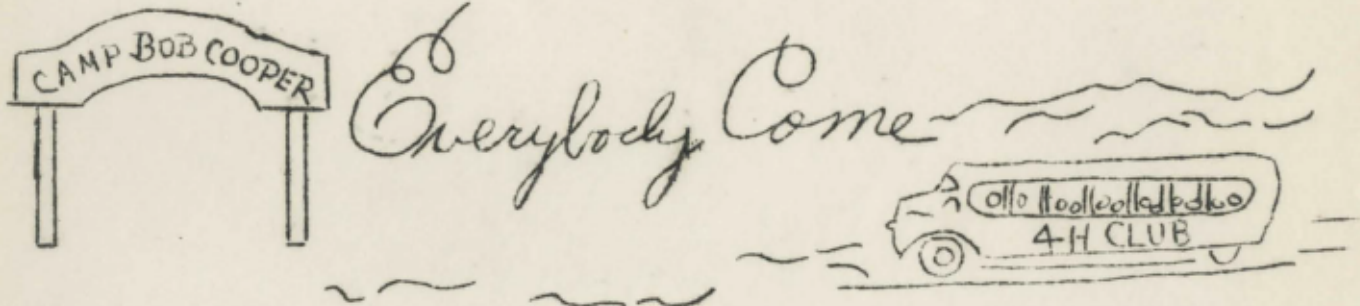
COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Greenville, South Carolina

June 23, 1948



Dear 4-H Club Member:

Don't forget to see your local leader about going to
camp! Pay up by Monday, June 28.

When: Monday, July 5

Where: Camp Bob Cooper

Hour for Meeting: 8 o'clock.

Yours very truly,

J. K. Jones
J. K. Jones
Asst. County Agent

B. R. Leonard
B. R. Leonard
Asst. County Agent

cpt

Greenville, South Carolina
 July 1, 1948

Garden Letter



GARDEN WORK FOR JULY

A canning budget is a guide to enable the housewife to provide variety and make possible a better balanced diet during the months of the year when fresh fruits and sufficient vegetables cannot be produced.

The given budget should be supplemented with enough fresh vegetables to allow two vegetables and at least one fruit per day.

A MODERATE CANNING BUDGET FOR A FAMILY OF FIVE

<u>Products</u>	<u>Use</u>	<u>Amount to Can</u>
Vegetables	4 times a week	120 qts. to last 6 months
Tomatoes	3 to 4 times a week	100 qts. to last 8 months
Fruit	4 times a week	120 qts. to last 6 months
Kraut	1 time a week	20 qts. to last 5 months
Meat	2 times a week	50 qts. to last 6 months

Individual Requirements for Adults and Children Over Six for One Year

20 quarts of tomatoes
 24 quarts of vegetables

24 quarts of fruit
 4 quarts of kraut

When you prepare your fall garden, apply a liberal amount of well decomposed manure. Be sure it is well decayed or it will burn the plants. The advantage of manure in preventing drying of soil can be better appreciated when we know that 100 pounds of sand will hold 24 pounds of water; clay 50 pounds of water; and organic matter (manure) 190 pounds of water.

Do not overlook the importance of fertilizer for the fall and winter garden. Make a top dressing of nitrate of soda for growing crops and work it well into the soil.

MAKE PLANTINGS OF THE FOLLOWING:

- Turnips - Shogoin, Seven Top (for greens) - Purple Top, White Egg (for turnips).
- Beans - Logan
- Beans - Tendergreen and Stringless Greenpod.
- Turnips - (Rutabaga) - Improved Purple Top, up to August 1.
- Beets - Early Wonder and Detroit Dark Red.
- Carrots - Imperator and Chantenay.
- Corn - Stowell's Evergreen, Country Gentlemen, and Trucker's Favorite.
- Squash - Summer Crookneck and Early Prolific Straightneck.
- Irish Potatoes - Lookout Mountain and Irish Cobbler, up to August 1.
(The fall crop is very hard to grow)

Remember that thorough preparation is very necessary in the planting of any root crop. Otherwise the quality will be extremely poor. This is especially advisable with reference to rutabaga turnips.

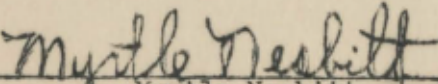
Transplant

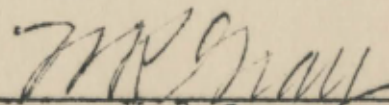
- Collards - Georgia or Georgia Southern
- Celery - Golden Self Blanching, Giant Pascal
- Cabbage - Succession and Late Flat Dutch
- Tomatoes - Marglobe, Pritchard, and Rutgers (all wilt-resistant)

Plants of the above named vegetables are always scarce for fall plantings. Therefore, do everything possible to save the plants and cause them to grow off rapidly after transplanting. Puddling the roots, which is nothing more than plunging the roots into a mixture of soil and water, before transplanting, is very helpful. Shade the plants with newspapers, pine tops, or old shingles until the growth begins.

Watch for Insects: Stop the insect when it first begins to work. It is easier to handle before it has a larger family and many friends. See Extension Bulletin 102 for control measures for such insects as bean beetle, tomato fruit worm, cabbage worm, cucumber beetle, squash bug, red spider, and others.

Blister beetles eat many different kinds of plants in the garden and vary considerably in appearance, but the body form is somewhat like the lightning bug. They are difficult to kill with the arsenicals, though they might be repelled. Five percent DDT dust is more effective than cryolite but may leave a residue on portions of plants to be eaten, that is, don't dust tomatoes with DDT after they begin to ripen.


Myrtle Nesbitt
Home Demonstration Agent


W. R. Gray
County Agent