

ANNUAL REPORT

COUNTY AGENT WORK

SPARTANBURG
County

SOUTH CAROLINA

1947

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County Agent

H. D. MARETT

Assistant County Agent

R. O. Williams

Assistant County Agent

Farm Labor Assistant

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina

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Cooperative Extension Work in Agriculture & 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.....	281
2. Days agents spent in field.....	556
3. Days agents worked.....	837
4. Miles agents traveled.....	52,881
5. Farm visits.....	1,776
6. Office calls at agents office.....	3,764
7. Telephone calls at agents office.....	4,744
8. Meetings held or attended.....	521
9. Attendance at these meetings.....	17,968
10. Number communities in which Extension Work was conducted...	29

PROJECT ACTIVITIES AND RESULTS

Agricultural Economics

Held one county outlook meeting and presented outlook information at 13 community meetings. Cooperated with Farm Credit Agencies in loaning \$1,679,039.77. Assisted in planning two farms.

Farm Labor Program

Under this program 14,744 workers were placed. Of this number 150 were placed on yearly basis.

Agricultural Engineering

Cooperated with the supervisors of Broad River Soil Conservation District in carrying out their program in the county. Through the Spartanburg County Soil Improvement Association 820 acres were terraced on 63 farms. 15 other farmers terraced 297,948 linear feet with farm equipment on 68 farms. Assisted in conducting the Soil Conservation Contest, sponsored by the Spartanburg Herald-Journal. Under this program 16 communities were organized representing 235 farms. 38 farm building plans were furnished, also irrigation information. 4 dynamite ditching demonstrations were conducted. 4 farmers were assisted in silo construction. Gave information on proper handling and ginning of cotton and conducted one tractor school.

Agronomy

Conducted two Turkish Tobacco demonstrations. Provided for free classing and grading of cotton. Conducted 19 Five Acre Cotton Contest demonstrations. Conducted one corn production demonstrations and three Hybrid corn demonstrations.

Conducted 2 oat, 3 wheat, 2 barley and 1 grain sorghum demonstrations. Conducted 7 legume hay demonstrations, using annual lespedeza, lespedeza sericea and alfalfa. Conducted 3 annual grazing demonstrations and 4 silage production demonstrations, also conducted 2 permanent pasture demonstrations. Conducted 1 grazing school and assisted in certifying 55 acres of cotton and 50 acres of barley. Also gave information regarding fertilizers and assisted in installing seed cleaning machinery at Spartanburg County Farmers' Market.

Animal Husbandry

Pleaded 1 purebred gilt and 1 purebred boar. Gave information on cutting and curing meat. Pleaded 1 purebred beef bull and assisted in buying 4 purebred cows.

Dairying

Placed 2 purebred bulls and 22 purebred females. Assisted with Jersey Sale at Spartanburg. Also assisted in conducting Artificial Breeding Work in the county. Assisted in enrolling 10 dairy farmers in D.H.I.A. work. Provided plans for construction of dairy barns. Assisted in 4-H Calf Club work.

Entomology and Plant Pathology

Assisted the farmers throughout the county in insect control diseases, attacking various crops. Made infestation counts for boll weevil, passed information on the growers. Also furnished information on new insecticides. Furnished apple and peach growers with latest spray recommendations. Gave information on the control of cattle lice and grubs. Assisted Spartanburg County Beekeeper's Association with their program throughout the year.

Forestry

Conducted 26 woodland examinations demonstrations in cooperation with the District Forester. Assisted with Rural Fire Prevention Program. Assisted with survey of black walnut trees. Conducted Arbor Day Program. Brought list of saw mill operators up to date. Assisted in naming a tree farmer for Spartanburg County. Distributed literature and also assisted in securing 78,000 seedlings for planting. Served as a member of the County Forestry Board.

4-H Club Work

24 clubs were organized with 629 members enrolled. 397 projects were completed with an average of 68% for the county. Products produced by these club members were valued at \$33,815.71 at a cost of \$16,710.72, showing a profit of \$17,104.99. Calves were exhibited at the Piedmont Interstate Fair, The State Fair and the Newberry County Fair.

One Rally Day and One 4-H Encampment was conducted. Dairy Calf Club was increased from 4 to 29 members. 114 boys and girls participated in the Sears Roebuck Poultry Project. 3 clubs conducted parents' night, 4-H Council work was continued. Representatives were sent to State Conservation Camp, 2 motion pictures were shown to 23 clubs.

Horticulture

Gave information on gardens and truck crops. Assisted commercial peach growers with their problems. Conducted 2 cover crop demonstrations, 5 spray demonstrations, 2 plant bug demonstrations and 1 variety demonstration.

Marketing

Assisted in the operation of Spartanburg County Farmers' Market. Assisted in providing market news service for peach growers. Assisted with the work of the Cooperative Marketing Organizations located in the county. Also assisted independent marketing agencies when possible. Assisted with inspection and grading and packing work. Assisted in making peach packing house survey. Assisted in the marketing of farm commodities amounting to \$170,286.93.

Poultry

Assisted poultry producers with their problems. Assisted in marketing 88,510 pounds of poultry for \$21,832.45, conducted 4 flock improvement demonstrations.

Publicity

A total of 194 press articles were written. 43 circular letters were prepared and 11,376 copies mailed. 64 radio talks were broadcast and 2092 bulletins were distributed. 1,766 farm visits were made.

Visual Instruction

Motion pictures were shown at 67 meetings, attended by 1310 adults and 2,550 4-H club members. Slides were used at 8 meetings, attended of 576 adults. Exhibits were on display on the Piedmont Interstate Fair.

A.A.A. Activities

Acted as ex-officio member of the County Committee and attended meetings when possible. Also gave information to farmers attending to this program. Through this program, farmers received 8,318 tons of limestone, 1,241 tons of acid phosphate, 24,600 pounds Austrian Winter Peas and 595,502 feet of terracing.

Miscellaneous

The County Agent served as a member of Agricultural Committee of the Chamber of Commerce and also as a member of the Agricultural Committee of the Kiwanis Club, as a Director of the Piedmont Interstate Fair Association and also as Secretary to the Spartanburg County Farmers' Market Board. Also as Secretary to the Spartanburg County Cooperative Breeders' Association, Spartanburg Soil Improvement Association and the Spartanburg Cooperative Cannery.

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

1. County Agricultural Committee:

- a. The members of the County Agricultural Committee were selected by the County and Home Agents. The chairman of each community committee was selected to represent that community on the County Committee. In order that every phase of agriculture in the county be represented on this committee, leading farmers, and farm women who were not members of any community committees were selected to serve on the County Committee. In addition to farmers and farm women, representatives of the various cooperating agencies were selected by the officials of each agency to act on this committee.
- b. List of names and addresses of members and list of executive and other sub-committees:

<u>Name</u>	<u>Address</u>
M. R. Cash	Cowpens, S. C.
T. C. Littlejohn	Cowpens, S. C.
S. H. Wofford	Rt. 1, Woodruff, S. C.
C. B. Phillips	Rt. 1, Woodruff, S. C.
Roy Beason	Rt. 1, Woodruff, S. C.
P. G. Pearson	Rt. 1, Moore, S. C.
W. C. Anderson	Rt. 1, Moore, S. C.
Mrs. Landrum Sellars	Pauline, S. C.
G. C. Christopher	Landrum, S. C.
Mrs. W. F. Smith	Pauline, S. C.
Roy Barton	Rt. 2, Landrum, S. C.
J. T. Brian	Rt. 1, Campobello, S. C.
Mrs. Smith Williams	Rt. 1, Pauline, S. C.
J. V. Seay	Rt. 1, Inman, S. C.
C. T. Read	Campobello, S. C.
Miss Pearl Morgan	Rt. 1, Campobello, S. C.
Mrs. Eber Johnson	Rt. 3, Inman, S. C.
Mrs. Virgil Parker	Rt. 2, Chesnee, S. C.
Mrs. Preston Waldrop	Rt. 2, Enoree, S. C.
R. P. Barnett	Campobello, S. C.
J. W. Barnett	Holly Springs, S. C.
W. C. Bishop	Inman, S. C.
E. L. Bryson	Woodruff, S. C.
E. E. Crow	Fairforest, S. C.
W. W. Crim	Rt. 1, Moore, S. C.
A. U. Dunagin	Zion Hill, S. C.
R. A. Dobson	Greer, S. C.
Louie Foster	Cross Anchor, S. C.
Furman Ezell	Chesnee, S. C.
B. M. Gramling	Gramling, S. C.
J. W. Gaston	Duncan, S. C.

County Agricultural Committee (Continued)

J. M. Jackson	Rt. 1, Spartanburg, S. C.
T. J. Hendrix	Rt. 1, Duncan, S. C.
J. G. Landrum	Landrum, S. C.
Mrs. M. A. Phifer	Rt. 2, Spartanburg, S. C.
Mrs. Carl Leonard	Rt. 1, Greer, S. C.
R. W. Williams	Glenn Springs, S. C.
Dr. C. L. Stevens	Campobello, S. C.
Tom Moore Craig	Roebuck, S. C.
Nannie Lou West	Rt. 1, Moore, S. C.
Mrs. Robert Foster	Rt. 2, Inman, S. C.
Mrs. Wade Coggins	Rt. 2, Inman, S. C.
Mrs. C. G. Dorman	Rt. 1, Campobello, S. C.
Mrs. Tom Finch	Pauline, S. C.
Mrs. Max Ross	Rt. 2, Chesnee, S. C.
Mrs. Jack Deickman	Rt. 5, Spartanburg, S. C.
Mrs. Bessie Brannon	Chesnee, S. C.
Wesley Rainey (FSA)	Spartanburg, S. C.
J. O. Patterson, Jr. (AAA)	Spartanburg, S. C.
W. A. Hambright (FCA)	Spartanburg, S. C.
W. D. Hall (FCA)	Spartanburg, S. C.
E. C. Pickens, Jr. (FS)	Spartanburg, S. C.
James Talbert (SCS)	Spartanburg, S. C.
G. G. Inman (REA)	Gaffney, S. C.
Mrs. Ellie L. Herrick (Home Dem. Agt.)	Spartanburg, S. C.
J. F. Jones (County Agent)	Spartanburg, S. C.

Executive Committee

M. R. Cash	Cowpens, S. C.
E. L. Bryson	Woodruff, S. C.
Mrs. Ellie L. Herrick	Spartanburg, S. C.
J. F. Jones	Spartanburg, S. C.

Marketing Committee

Dr. C. L. Stevens	Campobello, S. C.
E. M. Clement	Rt. 3, Inman, S. C.
C. E. Smith	Rt. 1, Greer, S. C.

Labor Committee

H. T. Edwards	Rt. 3, Inman, S. C.
J. J. Cudd	Spartanburg, S. C.
H. E. Chapman	Inman, S. C.
C. E. Smith	Rt. 1, Greer, S. C.
B. E. Gramling	Gramling, S. C.
J. F. Jones	Spartanburg, S. C.

Veteran's Committee

Mrs. D. B. Anderson
 T. C. Littlejohn
 R. W. Williams
 Dr. C. L. Stevens
 J. G. Landrum
 James Talbert
 Furman Ezell

Rt. 1, Moore, S. C.
 Cowpens, S.C.
 Glenn Springs, S. C.
 Campobello, S. C.
 Landrum, S. C.
 Spartanburg, S. C.
 Chesnee, S. C.

Representatives To State Agricultural Committee

Mrs. Carl Leonard
 M. R. Cash

Rt. 1, Greer, S. C.
 Cowpens, S. C.

- c. The County Agricultural Committee, working with the county and home agents, made a detailed study of the agriculture of the county and from this study developed an adequate farm program for the county. This program included all phases of agriculture with particular emphasis on the development of new sources of cash income, markets, and better farm living. It will be the responsibility of each member of the County Committee to put this program into effect in his or her county section, assisting in every way possible with meetings, demonstrations, etc.

2. Community Agricultural Committees and Neighborhood Leaders:

- a. List of Communities and Neighborhoods Organized for Conduct of the Agricultural Program.

Landrum Community

1. Blackstock
2. Joseph Walker
3. Bennetts

New Prospect Community

1. North Pacolet
2. Fingerville
3. Oakland

Chesnee Community

1. Mayo

Cherokee Springs Community

1. Carlisle
2. Mountain View

Rainbow Lake CommunityGramling CommunityInman Community

1. Cross Roads
2. Cunningham
3. John Dodd

Holly Springs Community

1. Friendship
2. Henson

Wellford CommunityFairforest Community

1. Westview

Moore CommunityCampobello Community

1. Pleasant Grove
2. Arthur Jackson

Cooley Springs Community

1. Buck Creek
2. Arrowwood
3. Brookland

Cowpens Community

1. Mt. Olview

Communities and Neighborhoods (Cont'd)

Liberty Community

1. Cannons
2. Zion Hill

Boiling Springs Community

Motlow Community

Duncan Community

1. Zoar
2. Abner Creek
3. Flatwood
4. Pelham

Woodruff Community

1. Cavins
2. Antioch

Switzer Community

Reidville Community

1. Woodlawn

Roebuck Community

Poplar Springs Community

Crescent Community

1. Cashville
2. Selma
3. Greenpond

Cross Anchor Community

1. Hobbysville
2. Liberty Ridge

Enoree Community

Walnut Grove Community

Pauline Community

1. Glenn Springs
2. Friendship

Pacolet Community

1. Whitestone
2. Bethesda

4. Assistance Rendered by Neighborhood and Community Leaders:

The neighborhood and community leaders assisted with the Red Cross Campaign. The quotas in this drive was oversubscribed.

The agents sent timely information to these leaders throughout the year asking their help in passing this information on to farmers in their neighborhoods and communities.

These leaders also assisted in carrying out the plans of the Soil Conservation contest in twelve different communities. This contest is being sponsored by the Spartanburg-Herald Journal.

These leaders are also assisting with the annual grazing and food conservations program being carried out at the present time.

II.

PROJECT ACTIVITIES AND RESULTS - 1947AGRICULTURAL ECONOMICS

Work in agricultural economics and farm management in 1947 included the Emergency Labor Program and cooperation with farm credit agencies and the Farm Security Administration, farm planning and Outlook information.

Outlook Meetings: One county outlook meeting was held in February with 60 farmers attending. While this not the desired attendance, this meeting was better attended than any that we have conducted in the past several years. Later in the year outlook information was presented at 13 other meetings which were scheduled for various purposes. These 13 meetings were attended by 453 farmers. The County Agent was assisted with the county outlook meetings by the District Agent, Extension Horticulturist, Extension Dairymen and others. The information presented consisted chiefly of information related to fruit growing, dairying, other livestock work and general farming. While the farmers of Spartanburg County rely on this information, meetings of this nature have not been too well attended for the past several years, due chiefly to the fact that the farmers are able to obtain this information through radio broadcasts and other means. This information serves as a guide in farm operations. More farmers have adjusted their production programs on the basis of this information.

Cooperation With Farm Credit Agencies: The County Agent cooperated with the Spartanburg Production Credit Association, the National Farm Loan Association, and the Farm and Home Administration in their work of extending credit to farmers of Spartanburg County and also assisted in other programs of this nature. Following is a summary of the loans made by these agencies in 1947:

Summary Loans Made By Farm Credit Agencies

Agency	No. Loans	Amount
Production Credit Adm.	546	\$432,500.00
National Farm Loan Ass'n.	879	1,200,439.77
Annual Loan (F.H.A.)	330	60,000.00
Adjustment Loan (F.H.A.)	150	41,000.00
Totals	1905	\$1,679,039.77

The Farm and Home Administration has 300 farm families cooperating with this program in the county. The agents have cooperated throughout the year with the Farm and Home Administration in farm planning and in disseminating agricultural information to these farm families.

Only one farm was purchased in 1947 under the Bankhead-Jones Act. This tenant purchase program has been slowed up considerably due to the increased price in farm real estate in the county. At the present time 55 farmers have farms that were purchased under the Bankhead-Jones Farm Tenant Act. Practically all of these farmers are up with their payments and some have made payments ahead of schedule. Three of these have completed

paying for their farms in 1947. There will be more farmers to take advantage of this program when real estate prices are normal.

Farm Planning: The County Agents rendered assistance in farm planning on two farms this year. This work consisted chiefly in providing more feed for cattle on these farms. Those farms assisted were: Spartanburg County Farm and H. S. McKinney in the Buck Creek Community.

Landlord-Tenant Relationship: While no work has been completed on this project, we are cooperating with Mr. M. C. Rochester, Extension Economist, in securing information from the better landlords and tenants in the county.

Complete Farm Accounts: Demonstrations in the keeping of complete farm accounts was started with two farmers in 1947. However, due to various reasons, these farmers were unable to complete these records.

Farm Labor Program: Mr. M. R. Cash continued as Farm Labor Assistant in 1946-47. He was assisted by Mr. T. E. Lipscomb from June 15th until August 15th. In addition to recruiting and placement of labor, the Labor Assistant also worked with machinery operators in getting them to do custom work particularly in the planting and harvesting of small grain crops and lespezea. There has been no loss reported in connection with any of these crops on account of labor.

The placement of year around farm tenants and share croppers has been one of the hardest problems to handle satisfactorily, because of the lack of workers who were interested in that type of work. The peach harvest required a large number of outside workers. All local workers who could be obtained locally as well as workers covering a wide area were enlisted in this and other farm work. We drew these workers, which included women, boys and girls, from the high schools and colleges and from practically all walks of life. Getting living accommodations for the out of county workers has been, and continues to be, one of our hardest problems. This year we were able to place a few workers in several homes in the county. A new map of Spartanburg County was gotten out and all new sheds were located, giving the names, addresses and telephone numbers of the owners.

The following is a summary of the placements of the different types of work that has been handled through this office.

(1) Victory Farm Volunteers	1,095 boys 2,537 girls
(2) Woman's Land Army including all women workers	6,347
(3) Men	4,114
(4) Veterans	141

Of the above workers, 1,829 boys and girls were placed in 156 different packing sheds. Laborers came in from the states of Georgia, and North Carolina and from the following counties in this state: Cherokee, Union, Greenville, Lexington, Anderson, Colleton, Laurens, Richland, Orangeburg, and Barnwell.

Ninety-seven families having 150 workers were placed on a yearly basis during the year. One hundred and three of this number were veterans. The complete summary of the Farm Labor Program in Spartanburg County follows:

Summary Of Farm Labor Program

Days in office.....	176
Days in field.....	135
Total days worked.....	311
Farm visits.....	938
Office calls.....	3859
Telephone calls.....	2268
Circular letters prepared.....	5
Copies mailed.....	1400
Individual letters written.....	926
News articles.....	86
Radio broadcasts.....	4
Meetings attended.....	31
Attendance.....	2071
Miles traveled.....	5829
Number farmers ordering workers.....	1479
Workers placed.....	14744

All the above placements were made on order from 1,479 farmers, including all types of crops grown in this county, but as you will note from the listing that the peach harvest, including cultivation, spraying, picking, packing and handling required the great majority of this labor.

Special attention has been given throughout the year to the production of the various crops and special emphasis has been given for the past three months in the great need of the planting of a large crop of all the small grains, but the weather conditions have been such that very little grain has been sown. We placed special emphasis on the production of small grains for food and feed because there was such a pressing need, not only here at home, but world wide for these crops. Though hindered so far by these conditions over which we had no control, we will still endeavor to exact every effort in getting as much seeding done as it is possible.

AGRICULTURAL ENGINEERING

Agricultural Engineering work during 1946 included soil conservation, farm building, operation and repair of farm machinery, and the harvesting and ginning of cotton and ditching with dynamite.

Soil Conservation

Terracing: The Spartanburg County Cooperative Soil Improvement Association owns four power terracing outfits, two of which are in operation. Two are not in condition to operate at all and the other two are practically worn out. Too, Mr. Ferguson, who has seen after this work, resigned during the year and we have not had adequate supervision of this work during the year. This work has been made possible through the Clemson Extension Service and The Spartanburg County Delegation. In addition to the Association owned equipment there is one privately owned outfit operating in the county. During 1947 the Association equipment terraced 820 acres on 63 farms. Since the beginning of this work by the Association 39,968 acres have been terraced on 1,371 farms.

During the year, the privately owned unit has terraced 775 acres on 40 different farms.

In addition to the above amount, 15 farmers constructed 297,948 linear feet of terracing with their own equipment on 68 farms.

The Spartanburg County Cooperative Soil Improvement Association cooperates with the District Supervisors in carrying out conservation work.

District Work: The Broad River Soil Conservation District, which includes Spartanburg County, maintains an office and a staff of technicians in the county. Through this office agreement were written on 181 farms in 1947.

Community Organization: During the year 1946, the Spartanburg Herald-Journal announced that they would sponsor a soil conservation contest in this and five other counties. The extension forces in the county have assisted in organizing 16 community groups representing 235 farmers. The date for entering this contest was closed on January 1, 1947, and the results will be judged immediately after July 1, 1948. Several valuable prizes are being offered for groups and individuals doing outstanding work in soil conservation.

Summary Soil Conservation Work: The following is a summary of Soil Conservation work done in Spartanburg County in 1947:

Extension Activities in Soil Conservation

1. No. group conferences Extension and SCS technicians in county.....	4
a. Attendance at these conferences.....	18
2. No. community meetings with Soil Conservation District work.....	10
a. Attendance at these meetings.....	176
3. No. field meetings.....	1
a. No. method demonstrations establishing practices.....	1
1. Attendance.....	5
4. No. farms on which county agent assisted with soil conservation farm planning.....	3
5. Informational Material on Soil Conservation	
a. No. informational circular letters.....	1
b. No. informational newsarticles.....	7
c. No. bulletins (soil conservation) distributed.....	350
d. No. radio programs (soil conservation).....	3
6. Soil conservation programs with 4-H clubs.....	18
7. No. demonstrations establish cover of summer or winter annuals or perennials for soil conservation.....	1
8. No. organized communities in county for Soil Conservation.....	16
a. No. farms in these communities.....	235
9. No. farmers or farmer-contractors who have built terraces with farm equipment.....	15
a. No. acres terraces with this equipment.....	596
b. No. farms on which this work was done.....	68
10. No. blade-type or patrol-type terracing outfits in county.....	3
a. No. acres terraced by these outfits.....	1595
b. No. farms this work done.....	103
11. No. terrace planning and line running schools held.....	0
a. No. persons trained to run terrace lines.....	0
12. No. Soil Conservation district farm plans this year.....	181
a. Total acres in these farms.....	14,272
13. Total number soil conservation district farm plans in county.....	1,036
a. Total acres in these farms.....	193,114

Farm Equipment And Structures

Farm Buildings: Farm building plans from the Extension Agricultural Engineering Division were furnished to farmers for the construction of the following listed farm buildings and structures. A summary of these is found on the following page.

Building Plans Furnished

Type Plans	No. Plans
Dwelling houses	4
Hog houses	3
Pig creeps	1
Hog watters	2
Self feeders	1
Potato curing houses	1
Poultry houses	7
Poultry light and water heaters	1
Poultry burglar alarms	1
Hay drier	2
Septic tanks	1
Dairy barns, all types	14
Total	38

Irrigation: The County Agent assisted by the Extension Agricultural Engineer and the Extension Horticulturist discussed the installation of an orchard irrigation system with Mr. W. B. Hammett of Inman, S. C. It is possible that this equipment will be installed within the near future.

Ditching With Dynamite: The County Agent and the Assistant County Agent conducted four demonstrations using dynamite for ditching. With the labor situation as it is this method is well liked by farmers. Several acres of land have been reclaimed this year. A summary of these demonstrations follows:

Dynamite Ditching Demonstrations

Name	Length of ditch	lbs. dynamite	Cost	Cost per foot
W. D. Burnett	600 ft.	300	\$ 82.50	.138
B. M. Gramling	700 "	350	95.75	.137
Guy Phillips	1200 "	550	137.50	.115
J. T. Robinson	600 "	300	82.50	.138
Totals:	3100 "	1,500	\$398.25	
Average cost per foot				.128

Trench Silos: Two farmers were assisted in the construction of trench silos in the county.

Upright Silos: Two farmers were assisted in the construction of upright silos.

Farm Machinery

Harvesting, Handling and Ginning of Cotton: In cooperation with the Extension Agricultural Engineers, the ginners and farmers of the county were given timely advice regarding the proper harvesting, handling and ginning of cotton.

Farm Machinery Schools: During the year one tractor school was conducted with assistance from the Extension Agricultural Engineer. This school was attended by 166 farmers.

AGRONOMY

Agronomy work in 1947 consisted of demonstrations and educational work with each of the major agronomy projects, seed certification and Turkish tobacco.

Turkish Tobacco: Two demonstrations in the growing of Turkish Tobacco were conducted in 1947. This is a new crop for this county but the two demonstrators are well pleased and are planning to increase their acreage in 1948.

Turkish Tobacco Demonstrations

Name	Acreage	Yield-lbs.	Value	Acre Yield lbs.	Acre Value
Albert Foster, Greer, S.C.	.20	176	\$132.00	880 lbs.	\$660.00
Baker McKlimon, Greer, S.C.	.32	197	\$147.75	616 lbs.	\$462.06

Cotton

Free Sampling, Grading and Classing Service: The Spartanburg County Cotton Improvement Association was organized in 1946. This made all cotton producers in the county eligible for this service. All ginner were notified, but this year only one ginner has taken advantage of this service. We are planning to do this work in 1948. Remainder of cotton work will be found on following page.

Cotton

Nineteen Spartanburg County farmers conducted five-acre improvement demonstrations on which boll counts were made in order to estimate yields and this information mailed to the Agronomist at Clemson. All of these farmers completed their demonstrations and turned in complete records. A summary of these is given below.

Summary Results Five-acre Cotton Improvement Demonstrations

Name	Lbs. Seed	Lbs. Lint	Value of Crop	Cost Prod.	Net Profit	Variety
D. L. Mack	9,278	5,219	\$2,219.62	\$744.91	\$1,313.71	Coker 100 W. R.
Manuel Pea	6,434	3,619	1,395.33	498.95	896.38	Coker 100 W. R.
Paul Finch	5,602	3,151	1,214.89	555.23	659.66	White Gold
Luther Rogers	5,393	3,033	1,196.48	465.95	730.53	Coker 100 W. R.
O. N. Poole	5,667	3,187	1,229.07	496.98	832.09	White Gold
J. W. McMakin	4,994	2,809	1,108.00	394.63	713.37	Wannamaker Clv. Big Boll
J. F. Hunter	5,797	3,261	1,257.29	464.32	792.97	Coker 100 W. R.
Alvin Smith	5,225	2,939	1,136.41	558.74	577.67	Coker 100 W. R.
Ott Todd	4,711	2,649	1,044.97	462.27	582.70	Coker 100 W. R.
W.L.Rhinehart	4,673	2,629	1,013.53	417.47	596.06	Coker 100 W. R.
H.T.McClimon	5,051	2,841	1,095.38	309.11	786.27	Coker 100 W. R.
G. B. Broadus	4,986	2,805	1,084.59	406.57	678.02	Coker 100 W. R.
C. C. Snoddy	4,408	2,480	958.74	589.42	369.23	Coker 100 W. R.
Monroe Ross	4,525	2,645	1,035.01	439.73	595.28	White Gold
N.J.Alexander	5,393	2,174	930.10	419.60	510.50	Coker 100 W. R.
B. E. Dobson	3,640	2,047	789.43	336.82	452.61	Coker 100 W. R.
Ses Ross	4,028	2,266	873.55	361.32	612.23	White Gold
B.R.T.Palmer	4,133	2,235	896.45	406.96	489.49	Coker 100 W. R.
T. L. Case	4,039	2,722	896.17	444.52	451.65	Coker 100 W. R.
Totals:	97,977	54,351	\$21,214.01	\$8,773.50	\$12,540.51	

Total seed cotton produced.....	152,328 lbs.
Average lbs. seed cotton.....	1,603
Average lbs. ling.....	572
Average value crop per acre.....	\$223.30
Average cost production per acre.....	\$92.35
Average net profit per acre.....	\$130.95

Summary Results Cotton Contest Demonstrations 1940-1947

Year	No. Dems.	Lbs. Lint Per Acre	Value Per Acre	Cost Per Acre	Profit Per Acre
1940	6	775	\$91.74	\$35.69	\$56.06
1941	5	883	197.22	40.36	155.25
1942	6	749	158.53	53.12	105.41
1943	4	525	134.69	67.50	72.39
1944	17	552	149.46	68.20	81.25
1945	12	513	131.65	76.44	66.44
1946	12	487	215.41	88.23	127.18
1947	19	572	223.30	92.35	130.95

The wise use of improved practices in cotton production such as thick spacing, fertilizing, use of improved seed and weevil control through the county, can be traced back to the influence of the five-acre improvement demonstrations.

Corn Production

During 1947 increased yields of corn per acre were stressed. Information was given through newspaper articles and radio broadcasts. Demonstrations included hybrid and local varieties were conducted.

Corn Production Demonstration: One farmer completed a corn production demonstration in 1947. This demonstration shows the importance of proper spacing, fertilization, and the use of good seed. A summary of this demonstration follows:

Corn Production Demonstration

Name	Acres	Yield Bu.	Bus. Per Acre	Cost Production	Cost Per Bu.	Value	Profit
B.R.T. Palmer	4	126	31.5	91.85	.729	\$252.00	\$160.15

This summary shows that this farmer produced an average of 31.5 bushels of corn per acre, which is far above the county average.

Hybrid Corn Production Demonstrations: In 1947, three farmers completed corn demonstrations using Hybrid varieties.

Hybrid Corn Demonstration on next page

Hybrid Corn Demonstration

Name	Acres	Yield Bu.	Bu. Per Acre	Cost Prod.	Cost Per Bu.	Value	Profit
B.R.T. Palmer	2.5	101.50	44.6	\$61.86	\$.609	\$203.00	\$141.14
B.R.T. Palmer	2	94.8	47.4	63.70	.673	189.60	125.90
J. J. Finch	3	218.7	72.9	166.31	.760	437.40	271.09
Totals:	7.5	415.0		\$291.87		\$830.00	\$538.13
Averages Per A.			55.3		.702	\$110.6	\$71.75

This summary shows that by using hybrid corn and approved production methods, these three farmers produced an average yield of 55.3 bushels of hybrid corn per acre as compared with 31.5 bushels per acre of open pollinated varieties, as shown in the preceeding corn production demonstrations. This is an increase of 23.8 bushels per acre, or practically double the yield.

Oats Production

Oats Production: Two demonstrations in the production of oats were completed in 1947. A summary of these demonstrations follows on the next page.

Oats Demonstration

Name	Acres	Yield B.	Yield Per A.	Cost Prod.	Cost Per Bu.	Value	Profit
Alex Foster	4	216	54	\$177.00	.82	\$270.00	\$93.00
W. N. Bailey	4	140	35	114.56	81.8	175.00	60.44
Totals:	8	356		\$ 291.56		\$445.00	\$153.44
Average Per A.			44.5	\$36.44	81.9	\$55.62	\$19.18

These demonstrations show an average yield of 44.5 bushels per acre as a result of approved methods. This is approximately double the average yield for the county. The cost of production including rent of land, fertilizer, and all costs involved in the production of this crop.

Wheat Production

Wheat Production Demonstrations: Three demonstrations in the production of wheat were conducted in 1947. A summary of these demonstrations will be found on the following page.

Wheat Demonstration

Name	Acres	Yield Bu.	Bu. per A.	Cost Prod.	Cost Per Bu.	Value	Profit
D. L. Mack	8	200	25	\$295.35	\$1.47	\$400.00	\$104.65
C. E. Sloan	4	92	23	106.58	1.16	184.00	77.42
Hollis Steadman	3	105	35	158.08	1.50	210.00	51.92
Totals:	15	397		\$560.01		\$794.00	\$233.99
Average Per A.			26.5		1.41	\$52.93	\$15.60

This record shows that these farmers produced an average of 26.5 bushels of wheat per acre, which is considerably higher than the average yield for the county.

Barley Production

Barley Production Demonstrations: Two demonstrations in the production of barley were conducted in 1947. A summary of these demonstrations follows:

Barley Demonstrations

Name	Acres	Yield Bu.	Bu. Per A.	Cost Prod.	Cost Per Bu.	Value	Profit
B.R.T. Palmer	5	250	50	\$289.75	\$1.12	\$375.00	\$85.25
W. T. Finch	5	245	49	276.55	1.12	367.50	90.95
Totals:	10	495	99	\$566.30		\$742.50	\$176.20
Average Per A.			49.5	\$56.63	\$1.14	\$74.25	\$17.62

These demonstrations show an average of 49.5 bushels per acre which is considerably above the average production of this crop for the county. The cost of production including rent of land, fertilizer and all other costs involved in the production of this crop.

Grain Sorghum Demonstration

One demonstration in the production of grain sorghum was conducted in 1947. A summary of this demonstration will be found on the following page.

Grain Sorghum Demonstration

Name	Acres	Yield Bu.	Bu. Per A.	Cost Prod.	Value	Profit
Harvey Woodfin	9	270	30	\$262.40	\$972.00	\$709.60

The production of grain sorghum is increasing rapidly in Spartanburg County. This crop is more drought resistant than corn, will make more grain per acre, and is equal to corn in feed value. It can also be seeded after small grain has been harvested.

Legumes for Hay

Annual Lespedeza for Hay Production: Three demonstrations in the production of annual lespedeza for hay was conducted in 1947. A summary of these demonstrations follow:

Lespedeza for Hay Demonstrations

Name	Variety	Acres	Yield Tons	Tons Per A.	Cost Prod.	Cost Per Ton	Value	Profit
County Farm	Kobe	75	37.5	1/2	\$1,723.00	\$45.94	\$1,312.	-410.50
J. R. Harley	Kobe	30	30	1	739.50	24.65	1,050.	310.50
J. M. Anderson	Kobe	100	50	1/2	1,395.00	43.90	1,750.	355.00
Totals:		205	117.5		\$3,857.50	\$114.49	\$4,112.	\$665.50
Averages				.57	\$18.81	\$32.83	\$20.06	\$5.66

Production cost includes seed, labor, rent, baling, fertilizer and other costs connected with the production of this crop. Interest in lespedeza as a hay crop has increased for the past several years, and is well adapted to the Piedmont Section. The yield of annual lespedeza hay was less than usual in 1947, due to extremely dry weather during the spring and summer months.

Lespedeza Sericea for Hay

Two demonstrations in the production of lespedeza sericea for hay were conducted in 1947. A summary of these demonstrations will be found on the following page.

Lespedeza Serecia Hay Demonstrations

Name	Acres	Yield Tons	Tons Per A.	Cost Prod.	Cost Per Ton	Value	Profit
T. B. Anderson, Jr.	10	12.5	1.25	\$122.00	\$9.76	\$312.50	\$200.50
J. M. Anderson	60	120	2	1079.80	8.99	3000.00	1920.20
Totals:	70	132.5		\$1201.80		\$ 3312.50	\$2120.70
Averages			1.9	\$17.16	\$9.09	\$25.00	\$ 16.00

Lespedeza Serecia is being used chiefly on marginal or steep land and is well adapted for this purpose. This crop also supplements farm income as a seed crop. A considerable amount of land was seeded to this crop in 1947.

Alfalfa for Hay

Three demonstrations in the production of alfalfa for hay were conducted in 1947. A summary of these demonstrations follow.

Alfalfa Demonstrations

Name	Acres	Cost	Value	Age
County Farm	14	\$1,297.60	\$1,050.00	1st. year
J. M. Anderson	3	91.20	300.00	7th. "
Finch Brothers	5	742.70	500.00	1st. "
Totals:	22	\$2,131.50	\$1,850.00	

The production of alfalfa is increasing annually in Spartanburg County. Livestock farmers, particularly dairymen, praise this crop very highly.

Legumes for Seed

Due to weather conditions no legume for seed demonstrations were conducted in 1947.

Annual Grazing

In 1947 three annual grazing demonstrations were conducted and proved to be of considerable value to farmers using these crops. With the shortage of labor, farmers are beginning to adapt systems that make it possible for livestock to harvest their own feed. A summary of these demonstrations will be found on the following page.

Annual Grazing Demonstrations

Name	Acres	Animal Units grazed	Total Days grazed	Cost	Crop
M. B. Smith	25	55	122	\$1,216.25	2 bu. oats, 2 bu. barley 25 lbs. C. clover 10 lbs. Rye grass
Finch Bros.	20	35	76	390.00	3 bu. oats 1½ bu. barley 15 lbs. c. clover
Harvey Woodfin	8	40	15	30.00	Kudzu, 3 yrs. old
Totals:	53	130	213	\$1,636.25	
Averages:	17.7	43.3	71	30.87	

These demonstrations show that 53 acres of annual grazing were prepared at an average cost of \$30.87 per acre. The importance of annual grazing crops has been emphasized throughout the year and a grazing chart was prepared and mailed to all farmers in the county.

Silage Production

Silage Production: Four demonstrations in the production of silage were conducted in 1947. These demonstrators used a combination of corn and cane, corn, cane and soy beans, oats and barley or corn alone. A summary of these demonstrations follow:

Silage Production Demonstrations

Names	Acres	Tons	Cost	Value	Profit	Crop
Finch Bros.	16	125	\$841.20	\$1,250.00	\$408.80	Corn and cane
County Farm	60	240	1575.80	2,400.00	824.20	Corn, cane and soy beans
J. R. Harley	7	70	331.40	700.00	368.60	Corn
Harvey Woodfin	9	72	460.00	576.00	116.00	Oats & Barley
Totals:	92	507	\$3,308.40	\$4,926.00	\$1,717.60	
Averages per acre		5.51	\$34.87	\$53.54	\$18.67	

Dairymen and beef cattle farmers are finding that silage is their cheapest roughage feed. The Extension Service recommends that it would be economical for any farmer having as many as five head of cattle on his farm to build a silo. More silos are being built each year.

Grazing School

A meeting for the discussion of grazing crop was held during the year at which time farmers were given information on the crops best suited for grazing in Spartanburg County. This meeting was well attended and the information presented was well received by those present. County Agent was assisted by Mr. W. H. Craven of the Extension Agronomy Department, and Mr. L. B. Massey, District Agent.

Seed Certification Program

The County Agent assisted in the carrying out of seed certification program, which was started in 1947. Fifty acres of barley and fifty five acres of cotton seed were certified this year. As farmers become better acquainted with this program more seed will be certified each year.

Permanent Pastures

Permanent Pastures: Two permanent pasture demonstrations were completed in 1947. Permanent pastures are being looked upon as a more important phase of agriculture as farmers are beginning to realize that a livestock program cannot be successful without a successful feed production program. A summary of permanent pasture demonstrations will be found on the following page.

Permanent Pastures

Name	Acres	Established	Treatment	Animals Grazed	Grasses Seeded	Date grazed	Days grazed	Total days grazed
County Farm	25	1944	Lime Fertilizer Manure Phosphate	20	Bermuda "native" Dallis Lespedeza	March 1st to Nov. 30th	275	5550
County Farm	35	1946	Lime Manure Phosphate Fertilizer	30	Ladino White Dutch Dallis Lespedeza Sprigged Bermuda Grazed	April 1st. to Dec. 1st.	245	7350

Miscellaneous

County and Community Fertilizer Meetings: Fertilizer was discussed at one county and thirteen community meetings. These discussions included fertilizer recommendations and the availability of materials.

Seed Cleaning and Testing: The County Agents assisted farmers in getting seed tested and germination and purity tests made through the Commissioner of Agriculture's office, and advised the use of good seed in connection with every crop planting. The county agent also assisted in getting cleaning equipment installed at the Spartanburg County Farmers' Market. This service will enable farmers to plant better seed and should insure higher crop yields.

ANIMAL HUSBANDRY

Animal Husbandry work in Spartanburg County in 1947 consisted of educational work with swine and beef cattle.

Swine

Work with swine in 1947 included the placing of purebred gilts, information on meat cutting and curing, and proper feeding.

Purebred Boars and Gilts Placed: During the year one purebred Poland China gilt was placed at the Spartanburg County Farm. 1 purebred boar and one purebred gilt were placed with J. K. Lominack in 1947. These animals were of the Berkshire breed.

Meat Cutting and Curing: Information on meat cutting and curing was given farmers through newspaper articles and radio broadcasts.

Farmers were also encouraged to use the facilities of the Spartanburg County Farmers' Market and Cold Storage Locker Plant in curing their meat. Farmers are realizing more and more the advantages of this method in saving and proper curing of home grown meat. During 1947, 409,333 pounds of meat was stored in the locker plant.

Beef Cattle

Beef cattle work in 1947 consisted of placing purebred sires and purebred cows and heifers, also assisting farmers in purchasing steers for feeding and giving information on proper feeding methods.

Purebred Sires Placed: During 1947, 1 purebred beef bull was placed. This bull was of the hereford breed and was placed with the Martel Mills, Inc.

Purebred Cows Placed: During 1947, 1 farmer was assisted in buying four purebred hereford cows. These cows were purchased for Mr. Crayton McCowan of the Fingerville Community and were of hereford breed. The purchase price was \$1,500.00.

Miscellaneous: During the year, beef cattle men were given information regarding the control of parasites affecting cattle.

DAIRYING

Extension work in dairying 1947 included silage, production, annual grazing crops, hay production, permanent pasture work, artificial breeding, parasite control and the placing of purebred sires and females, also D.H.I.A. work.

Purebred Sires Placed: Two purebred dairy bulls were place with two Spartanburg County farmers in 1947. A summary of theseplacements follows:

Purebred Dairy Bulls Placed

Name	Address	No.Placed	Breed
Bill Lancaster	Chesnee	1	Guernsey
Mrs. Gladys Smith	Mayo	1	Guernsey

Purebred Females Placed: During 1947 twenty two purebred dairy cattle were placed with farmers and 4-H Club members. A summary of these placements follows:

Purebred Females Placed

Breed	No. Placed
Jersey	5
Guernsey	17
Total:	22

Artificial Insemination Program: This program was started in 1945 and has been operating continuously since that time. The County Delegation has made the necessary funds available to carry on this work and it is hoped that it will be self-sustatining within a few years. This organization is governed by a board of directors consisting of nine members, with advisory assistance from the Extension Service and Prof. J. P. LeMaster, Head of the Dairy Department at Clemson College. This program should greatly improve the quality of dairy cattle in Spartanburg County as it will make top herd bulls available to all farmers in the county. The majority of the semen is now being shipped from the fulls at Clemson and four breeds are available, these are Jersey, Guernsey, Holstein and Brown Swiss. The rate of conception is improving at this time.

Mr. J. W. Kelly is the technician for the Association and has proven to be a very conscientious worker.

Summary Artificial Breeding Work

The following is a report showing the volume of breeding done and the efficiency of breeding in Spartanburg County from December 1, 1946 to November 1, 1947

Table on the following page shows the number of cows bred in 1947 by months and by breedings. (that is the number of 1st. 2nd. 3rd, etc., breedings.)

Breeding	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Total
1st.	37	26	39	36	30	42	54	56	60	63	80	56	579
2nd.	17	12	24	13	7	15	14	26	25	21	22	27	223
3rd.	5	7	9	10	5	4	8	8	5	10	12	9	92
4th.	4	3	3	3	3	2	3	1	3	1	5	2	33
5th.	3		2	3	1	2		2	2	1		1	17
6th.	2			1		3			1				7
7th.							3			1			4
8th.								3					3
9th.											1		1
10th.											1		1
Total:	68	48	77	66	46	68	82	96	96	97	121	95	960

Efficiency: The efficiency of artificial breeding is judged by the number of animals that conceive on the first breeding after that breeding has stood for 60 days.

In Spartanburg County for the months December "46" - Sept. "47" there were 453 cows bred for the 1st time and 286 failed to call back for rebreeding; therefore 63.1% apparently conceived on the 1st. breeding.

The increase of 153 cows over 1946 is encouraging. The breeding efficiency of artificial breeding as compared to natural breeding is favorable enough now that farmers and dairymen may depend entirely on artificial breeding without fear of getting behind on the yearly breeding schedule. In line with the National Policy of conserving grain, it would be well for the farmers to butcher scrub bulls and depend entirely on artificial breeding. For the average size herd it would also be cheaper to have the cows bred artificially than to feed the herd bull for one year without regard to the purchase price of the bull.

Under the present overhead the artificial breeding association can breed about 100 cows per month and that is our goal for 1948.

Dairy herd improvement association work: Considerable emphasis in dairy extension work in 1947 has been given to D.H.I.A. work. Ten dairymen of the county are enrolled in this work and their records are proving of great value to them in improving the efficiency of their production, and also as educational material for extension work with other dairymen of the county.

By studying the reports sent out by the extension dairy division each month, it is found that those dairymen who have good pastures, supplemented in off-seasons by temporary grazing crops, have the smallest cost per hundred pounds of milk produced. These records also show conclusively the value of high producing cows, the production of home-grown feeds, the proper use of concentrates, and other facts of importance to the dairymen. A list of the ten dairymen enrolled in this work follows:

Name	Address	No. Cows
Paul Black	Spartanburg	25
Four Column Farm	Landrum	43
C. R. Hannah	Greer	70
Lyman Dairies	Lyman	47
Gramling Dairy	Gramling	90
Joseph Lee	Landrum	45
Johnson Brothers	Roebuck	21
J. H. Smith	Spartanburg	30
W. W. Crim	Moore	26
Montgomery Dairy Farm	Spartanburg	71
Total 10		468

Silage Production

Silage Production demonstrations are summarized in the Agronomy Section of this report.

Permanent Pastures

Permanent pasture demonstrations are summarized in the Agronomy Section of this report.

Annual Grazing

Annual grazing demonstrations are summarized in the Agronomy Section of this report.

Dairy Buildings & Equipment

Silo Construction: Construction of silos is discussed under the Agricultural Engineering Section of this report.

Dairy Barn Construction: During the year, 24 dairy barns were constructed by dairymen of the county. These dairymen used either the Clemson College plans or a modified form of these plans. These people are well pleased with the barns they have built.

County Farm Dairy: The modern dairy unit at the County Farm is operating very satisfactory. A rest barn is being built at this time.

Marketing

Milk Routes: The Carnation Milk Route, which originates in Shelby, North Carolina, collects ungraded milk from farmers in the upper part of the county. Grade A milk routes are operating by Foremost and Springdale Dairies.

Sales of Dairy Cattle: The County Agents cooperated with the Extension Dairy Specialist and the South Carolina Jersey Cattle Club in conducting a sale of jersey cattle in Spartanburg. Assistance was also given in conducting North Carolina and South Carolina Jersey Cattle Sale which was held in Statesville, N. C. The Agents also assisted in buying dairy cattle at a cost of \$3,320.00.

Miscellaneous

4-H Dairy Calf Club Work: The 4-H Dairy Calf Club was reorganized during 1947. At the present time, 29 members own 32 purebred animals. Two of these being Guernsey and the remainder jerseys. A number of these animals were exhibited at the Piedmont Interstate Fair in Spartanburg, The State Fair in Columbia and the Newberry County Fair, and all made very good showings.

Parasite Control: Farmers were advised as to the treatment of cattle for fly control by the use of DDT, and given instructions in grub control by using Py-ro. Instructions were also given in treating dairy barns with DDT.

ENTOMOLOGY AND PLANT PATHOLOGY

Extension work in Entomology and Plant Pathology in 1947 included work with crop insects, fruit insects, plant diseases and beekeeping.

Crop Diseases

Dust Treatment of Cotton Seed: Dust treatment of cotton seed has become such a common practice in the county that we did not think it was necessary to conduct demonstrations. Timely press articles were published calling the attention of farmers to the fact that seed treatment should be used, and giving information as to how it should be used. The majority of the cotton in Spartanburg County is planted with treated seed.

Small Grain Disease Control: Timely news articles were published stressing the importance of using smut resistant varieties or treated seed.

Dodder Control in Lespedeza: News articles were published and individual farmers advised regarding the burning method of controlling dodder in lespedeza. A majority of the farmers used these recommendations on fields where they planned to harvest seed.

Insects and Rodents

Boll Weevil Control: Boll Weevil infestation in 1947 was the highest that we have had in several years. Plots were selected and infestation counts were made on these fields at weekly intervals. This information was given to farmers through newspaper articles and radio broadcasts. Farmers were also assisted in locating materials for poisoning.

Benzene Hexachloride: This material was used extensively in 1947 and in all cases gave satisfactory results. Four demonstrations using this materials for boll weevil control follows:

Benzene Hexachloride Demonstrations

Name	No. Applications	Lbs. Per acre	Cost per acre	How applied	Lbs. per acre lint increased
Henry Gramling	3	10	\$2.50	airplane	250
D. L. Mack	3	10	3.00	dusting machine	200
J. G. Armstrong	3	10	3.00	airplane	325
Frank Bush	2	10	3.00	airplane	450

This material will probably be used more extensively in 1948. The County Agent also visited boll weevil plots at Pee Dee Experiment Stations at Florence, S. C.

Peach Insect Control: The infestation of circulio and oriental moth was not as serious in 1947 as it was in 1946. This was due to intensified campaign conducted by Extension Personnel and the peach growers within the county. Peach insects and their control are discussed further in the horticultural section of this report.

Apple Insect Control: Apple growers were furnished the revised spray calendar which carried the latest recommendations for the control of the pests that usually attack the crop. Apple growers were also advised that unless a thorough job was done, no spray would be effective.

Cattle Louse and Grub Control: Timely news articles were published recommending the use of dust mixed according to Extension formulas for the control of cattle lice and grubs. A supply of this material was kept on hand for the convenient use of farmers. Approximately 150 head of cattle were treated and farmers were well pleased with results.

Fly Control: Information was given on the use of DDT in the control of flies on cattle and in dairy barns. The bulletin published by W. C. Nettles, Extension Entomologist, was distributed throughout the county and the information was well received. A supply of DDT was kept on hand for the convenience of farmers.

Other Insects: Information was published and given individual farmers during the year regarding the control of miscellaneous insects.

Brown Rot Control in Peaches: The infestation of brown rot was not as serious in 1947 as in 1946. Information on the control of this disease was given through newspaper articles, orchard letters and radio broadcasts. An intensive clean-up campaign was conducted in peach orchards during and after the harvesting season.

Beekeeping

Spartanburg County Beekeepers' Association: The Spartanburg County Beekeepers' Association, organized by the County Agent in 1925 continues to hold monthly meetings. The Extension Bee Specialist or the County Agent always attends these meetings and discusses timely subjects of interest to beekeepers. The association has approximately 40 members.

The members of the local association have been very active in the organization work of the State Association. A. B. Ezell, Spartanburg beekeeper, being the first president of the Palmetto Beekeepers' Association.

Packing Honey In Marketable Shape: The county association of beekeepers adopted the labels and containers recommended by the Palmetto Beekeepers' Association, and practically all of the honey sold by these members was packed in standard containers and under standard labels.

Individual Aid To Beekeepers: A number of beekeepers were visited by Mr. E. S. Prevost, Extension Bee Specialist, and given assistance in transferring, requeening, etc.

FORESTRY

Forestry work in 1947 included reforestation, woodland examinations, and rural fire prevention program. The county agents also cooperated with the District and Extension Forester and the Spartanburg County Forest Protective Association.

Woodland Examinations: Woodland examinations are available to all farmers in South Carolina at no cost. The farmer also has the choice of learning to mark and scale the trees to be removed, or of hiring this work to be done at a nominal cost. In 1947 woodland examinations were made for 26 Spartanburg County farmers. A summary of this work follows:

Woodland Examinations

Name	No. Acres Examined	Recommendations	Bd. Ft. Marked
Donald Barnett	30	none	
Dr. J. B. Bearden	50	marking	not completed
Mrs. Cora Bobo	29	marking	not requested
E. M. Clement	81	none	
Giles Cleveland	75		82,810
Tom M. Craig	40		61,610
E. E. Crow	30		103,178
J. W. DeYoung	32	Fuelwood Thin	
Dixie Shirt Co.	20		39,960
Rose & Iris Galloway	None	Marking under way,	not completed
Mrs. E. O. Groce	20		12,700
Dr. E. B. Hammond	None	None	
Mrs. J. F. Hunter	50	marking	not requested
Charles Johnson	6		11,430
Mrs. Rose E. Lacey	37		109,045
J. M. Little	20	Marking	not requested
Paul V. Moore	55		152,340
Mrs. Mary Nesbitt	500	marking under way,	not completed
John G. Pettit	140	none	
Mrs. J. R. Reeves	142	marking	not requested
Perrin L. Smith	27		122 cords F'lw'd.
Dr. C. L. Stevens	163		136,820
W. M. Storey	41	none	
Andrew R. Walden	75		48,840
Mrs. Mattie Wofford	47	marking	not requested
Mrs. Nora Zimmerman	200		215,305
26	1910		974,038 and 122 cds. fuelwood

Rural Fire Prevention Program: Envelope stuffers sent out by the Extension Forester were used to acquaint rural people with the fire prevention program. The envelope stuffers were placed in envelopes containing individual and circular letters going out from the county agent's office and the book markers were distributed among the schools. Newspaper articles and radio program were also used in connection with this program, and it applied both to the prevention of fire in the woods and to farm buildings.

Black Walnut Trees: A survey was made of the black walnut trees which were planted in the county in 1943, and samples were collected from those in production.

4-H Club Work

Arbor Day: On Arbor Day a program was conducted at the Cleveland Junior High School and a cork oak seedling was planted. This program was arranged by the 4-H Club at this school, and was attended by 300 persons. The school band furnished music for the occasion.

Forest instruction was given by the Extension Forester at the 4-H Club camp during the summer and several classes were conducted at the conservation camp.

A forestry program was conducted for all 4-H Clubs throughout the county. During the year 7,526 cork oak acros were distributed to Spartanburg County 4-H Club members.

Marketing: During the year a list of saw mills operating in the county was brought up to date. Keeping this list of saw mills up to date greatly increases the efficiency in marketing timber. We also furnish on request a pulpwood directory giving pulpwood specialists, names of buyers and other information that is useful to land owners in marketing wood.

Tree Farm Program: During the year, Dr. C. L. Stevens of Campobello was given the honor of being a Tree Farmer in Spartanburg County.

Publications: Literature giving instructions on the planting of seedlings and also on the treatment of fence posts for longer life were distributed throughout the county.

Tree Plantings: A large number of farmers were personally advised as to how to obtain trees through the state forestry commission and the results totaled 168,100 trees planted in Spartanburg County in 1947. A summary of these plantings follow:

Tree Plantings

Kind	No. Planted
Loblolly	67,000
Slash	11,000
Total	78,000

Miscellaneous: The County Agent served as a member of the Board of Directors of the Spartanburg County Forest Protective Association and also kept in close touch with the County Ranger and District Forester. Both of these agencies have been of great benefit to the Farmers of the county in obtaining good forestry practices and control of forest fires. Mr. Dewey Clayton, County Ranger and Mr. E. C. Pickens, Jr., District Forester, both deserve much credit for the work that they have done in the county.

FOUR-H CLUB WORK

Boys' 4-H club work was conducted in twenty-four communities in Spartanburg County in 1947 with an enrollment of 629 boys. Each club has 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 organized in the county and a summary of enrollment and completions.

Summary 4-H Club Enrollment & Completions

Name of Club	No. Enrolled	No. Completed	% Completions
Westview	36	20	56%
Mt. Oliview	17	13	76%
New Prospect	45	27	60%
Oakland	15	11	73%
Zion Hill	14	12	86%
Buck Creek	20	13	65%
John Dodd	22	18	82%
North Pacolet	27	20	74%
Cooley Springs	41	21	51%
Mayo, Jr.	55	28	51%
Mayo, Sr.	17	13	76%
Gramling	47	25	53%
Pauline	15	13	87%
Fork Roads	9	8	90%
Rainbow Lake	15	11	73%
Liberty	21	20	95%
Reidville	31	19	62%
Pine Grove	15	13	86%
Glenn Springs	18	7	40%
Walnut Grove	22	15	68%
Motlow	17	7	41%
Holly Springs	33	20	66%
Cleveland Jr. High	59	25	42%
County Wide	18	18	100%
Totals: 24 clubs	629	397	68%

Summary Completed Demonstrations

Demonstrations	Number Completed	Value Products	Cost	Profit
Garden	19	\$1,608.41	\$ 704.31	\$ 904.10
Wheat	7	324.00	201.00	123.00
Corn	40	2,533.60	1,064.51	1,469.09
Cotton	21	2,996.24	1,504.81	1,491.43
Dairy Calf	72	9,567.48	4,105.54	5,461.94
Poultry	88	6,517.23	3,805.71	2,711.52
Pig	157	9,112.65	4,765.49	4,347.16
Improvement	32	1,156.10	559.35	596.75
Totals:	436	\$ 33,815.71	\$16,710.72	\$17,104.99

This summary shows that the 4-H Club boys completed 436 demonstrations, produced farm products to the value of \$33,815.71, at a cost of \$16,710.72, leaving a profit of \$17,104.99.

4-H Club Records: On the following pages is given a summary of 4-H Club records completed in 1947. These include corn, cotton, dairy calf, pig, poultry, garden and farm improvement and then these will be followed by 4-H activities for 1947.

Corn Club Records

Name of Member	No. Acres	Yield Bu.	Value	Cost	Profit
Loren Hammett	1	40	\$ 81.00	\$ 67.70	\$ 13.30
Billy Brackett	1	40	93.00	62.90	30.10
Joe Hughes	1	45	90.00	17.00	73.00
Roy Jones	1	12	32.60	7.21	25.39
J. C. Edwards	1	30	60.00	8.50	51.50
Curtis Cartee	1	30	60.00	20.00	40.00
Ray Quinn	1	31	62.00	22.00	40.00
George Wright	1	23	46.00	23.00	23.00
Joe Ben Burnett	1	33	66.30	25.20	41.10
Charles Sherbert	1	15	30.00	15.00	15.00
Hugh Bishop	1 $\frac{1}{4}$	43	86.00	16.00	70.00
Billy Smith	1	38	76.00	30.00	46.00
Fred Newman	1	30	60.00	30.00	20.00
Samuel Spokes	1	35	75.00	30.00	45.00
Hollis Jenkins	1	25	50.00	25.00	25.00
Gosnell Jolley	1	30	60.00	40.00	20.00
James Morris	1	31	62.00	12.00	50.00
Johnnie Foy	1	43	86.00	30.00	56.00
Herman Bishop	1	33	66.00	21.00	45.00
David Loftis	1	40	80.00	50.00	30.00
Ray Calvert	1	34	68.00	30.00	38.00
Harry Calvert	1	32	66.00	30.00	36.00
Elroy Smith	1	21	42.00	20.00	22.00

Continued on next page

Corn Club Records (Continued)

Name of Member	No. Acres	Yield Bu.	Value	Cost	Profit
Alvin Yelton	1	32	\$ 64.00	\$ 21.00	\$ 43.00
Bobby Lee West	1	35	70.00	30.00	40.00
Richard Chapman	1	33	66.00	26.00	41.00
Davis Solesbee	1	26	52.00	21.00	31.00
Eustus Robbins	1	24	48.00	21.00	27.00
Ray Patterson	1	33	66.00	22.00	44.00
Billy Souther	1	30	60.00	30.00	30.00
Charles Brown	1	25	50.00	25.00	25.00
Billy Evans	1	34	68.00	25.00	43.00
Dean Davis	1	33	66.00	40.00	22.00
Joe Rhymer	1	40	80.00	30.00	50.00
Donnie Spokes	1	32	64.00	24.00	40.00
Hollis Jenkins	1	30	60.00	30.00	30.00
Kieth Jones	1	32	64.00	20.00	44.00
Gibson Tabor	1	33	66.00	21.00	45.00
Ronald Cooley	1	31	62.00	32.00	30.00
Gene McDowell	1	15	30.00	15.00	15.00
Totals:	40 $\frac{1}{4}$	1,252	\$2,533.60	\$1,064.51	\$1,469.09

Cotton Club Records

Name of Member	Seed Cotton	Lint	Total Value	Cost	Profit
David Ballenger	1200	480	\$184.00	\$100.00	\$ 84.00
Hugh Cothran	900	326	112.00	62.00	50.00
Harold M. Waters	1100	396	138.00	78.00	60.00
Walter Wyatt	1300	500	195.00	95.00	100.00
Bill Thomas	800	288	96.85	46.44	50.41
Jimmy Bridges	1200	432	169.60	69.50	100.10
M. J. Amos	500	180	54.00	20.00	34.00
Marvin Pearson	1100	396	158.80	54.20	104.60
Charles Bridwell	1250	450	175.00	85.00	90.00
John Turner	1265	460	178.00	78.00	100.00
John Rhymer	900	324	97.20	45.00	52.20
Ray Dobson	1300	510	200.00	110.00	90.00

Continued on next page

Cotton Club Records (Continued)

Name of Member	Seed Cotton	Lint	Total Value	Total Cost	Profit
John Cooley	1255	445	\$173.99	\$ 83.47	\$ 90.52
Robert E. Lee	1198	475	183.00	83.00	100.00
Paul Lee	500	180	55.00	21.00	34.00
Jackie Cooper	1201	474	187.75	84.20	103.55
Fred Rhymer	1000	360	138.00	75.00	63.00
Jess Morgan	1324	502	175.00	85.00	90.00
Ray Taylor	800	288	100.00	60.00	40.00
Boyce Gregory	1200	432	149.00	70.00	79.00
James Cantrell	1267	455	176.00	100.00	76.00
Totals:	22,560	8,353	\$2,996.24	\$1,504.81	\$1,491.43

Dairy Calf Records

Name of Member	No. of Animals	Value	Cost	Profit
James Poteat	1	\$ 48.00	\$ 7.50	\$ 40.50
Mack Hambree	1	100.00	75.00	25.00
Billy Johnson	1	95.00	40.00	55.00
Coy Jones	1	65.00	30.00	35.00
Bo Dempsey	1	178.00	46.75	131.25
Joe McDade	1	54.98	24.34	30.64
Bobby Buckner	1	63.50	40.00	23.50
Elbert Holt	1	65.00	40.00	25.00
Donald Morgan	1	70.00	45.00	25.00
Jimmy Gossett	1	160.00	60.00	100.00
Curtis Lancaster	1	75.00	50.00	25.00
Hugh Lancaster	1	175.00	75.00	100.00
Jimmy Hatchett	1	40.00	30.00	10.00
John D. Graham	1	85.00	20.00	65.00
Guy Eubanks	1	75.00	50.00	25.00
Jack Graham	1	70.00	30.00	40.00
Kirby Belue	1	78.00	40.00	38.00
Bobby Stone	1	100.00	65.00	35.00
Kenneth Patterson	1	74.00	43.00	31.00
Billy Pettit	1	65.00	41.00	24.00
James Groce	1	55.00	33.00	22.00
Marshal Wolfe	1	200.00	150.00	50.00
Cecil Bishop	1	42.00	22.00	22.00
Harry Poteat	1	71.00	51.00	20.00

Continued on next page

Dairy Calf Records (Continued)

Name of Member	No. of Animals	Value	Cost	Profit
Max Poteat	1	\$ 75.00	\$ 53.00	\$ 22.00
Floyd Watts	1	95.00	75.00	20.00
Harold Wolfe	1	80.00	25.00	55.00
Bud Rhymer	1	300.00	150.00	150.00
Calbert Lee	1	63.00	33.00	33.00
William Earl West	1	65.00	30.00	35.00
Eston Mahaffey	1	50.00-	30.00	20.00
John Fisher	1	64.00	20.00	44.00
Donald Chapman	1	53.00	33.00	20.00
Willie Paris	1	65.00	35.00	30.00
Claude E. Bishop	1	150.00	40.00	110.00
Frances Bishop	1	150.00	38.00	112.00
Wayne Bishop	1	150.00	20.00	130.00
Marvin Campbell	1	200.00	50.00	150.00
Johnnie Clement	1	150.00	40.00	110.00
Cecil Coggins	1	150.00	30.00	120.00
Howard Coggins	1	150.00	35.00	115.00
Arthur Dempsey	1	165.00	50.00	115.00
Ben Dunigian	2	500.00	250.00	250.00
Douglas Garrett	1	140.00	50.00	90.00
Jimmie Gossett	1	150.00	40.00	110.00
Elizabeth Harmon	1	200.00	50.00	150.00
James Harmon	1	300.00	75.00	225.00
H. Wayne Hill	1	300.00	75.00	225.00
Betty E. Sloan	1	175.00	38.95	136.05
Hugh N. Steadman	1	175.00	50.00	125.00
Hugh Lancaster	1	140.00	40.00	100.00
Juanita Danson	1	290.00	280.00	10.00
Roy Swofford	1	120.00	60.00	60.00
James Horton	1	158.00	58.00	100.00
Montg Hayes	1	90.00	20.00	70.00
Harry Cooley	1	150.00	50.00	100.00
Maynard Henderson	1	125.00	50.00	145.00
Gary Wiley	1	125.00	60.00	65.00
Hughy Lancaster	1	73.00	32.00	41.00
Junior Fowler	1	195.00	100.00	95.00
Billy Shields	1	252.00	52.00	200.00
Clyde Melton	1	85.00	45.00	40.00
Lewis Taylor	1	68.00	25.00	43.00
Ronald Atkins	1	185.00	85.00	100.00
Billy McKinney	1	228.00	118.00	110.00

Continued on next page

Dairy Calf Records (Continued)

Name of Member	No. of Animals	Value	Cost	Profit
Jerry Wall	1	\$120.00	\$100.00	\$ 95.00
Sidney Lanier	1	170.00	70.00	100.00
Walter Lanier	1	189.00	88.00	101.00
Bobby Johnson	1	197.00	97.00	100.00
Marvin Tillison	1	200.00	100.00	100.00
Douglas Garrett	1	175.00	76.00	99.00
David Bishop	1	75.00	30.00	45.00
Totals:	72	\$9,567.48	\$4,105.54	\$5,461.94

Garden Reports

Name of Member	No. Acres	Value	Cost	Profit
J. P. Easler	1	\$162.00	\$ 63.00	\$ 99.00
Roy Cartee	1/2	75.00	50.00	25.00
Jimmy Moseley	1/2	99.00	40.00	59.00
Harold M. Waters	1/4	68.00	20.00	48.00
Walter Wyatt	1/4	58.00	25.00	23.00
Billy Fain	1/4	150.00	55.00	95.00
Paul Kyser	1	189.00	72.00	117.00
Jack Lawson	1/2	100.00	20.00	80.00
Floyd Powell	1	159.21	51.00	108.10
Bobby McCraw	1/4	78.00	20.00	58.00
Wendell Lee	1/4	54.00	24.00	30.00
Charles O'conner	1/4	38.00	15.00	23.00
Joe Hembree	1/4	51.00	20.00	31.00
David Page	1/4	65.00	30.00	35.00
Avery Watson	1/4	97.50	45.20	52.30
Earl Kirby	1/4	45.00	22.00	23.00
Joe Smith	1/4	60.00	30.00	30.00
Donald Naley	1/4	75.00	25.00	50.00
Thomas Pruitt	1/2	128.00	77.00	51.00
Totals:	8 1/2	\$1,608.41	\$704.31	\$904.10

Improvement Records

46

Name of Member	Total Value	Total Cost	Profit
Herbert Wilson	\$ 45.00	\$ 20.00	\$ 25.00
Jerry Landers	20.00	10.00	10.00
Louis Anderson	30.00	20.00	10.00
Marvin Waldrop	75.00	25.00	50.00
Donald Mabry	63.25	23.25	40.00
Bobby Peeler	50.00	25.00	25.00
Frank Mathis	48.30	18.00	30.30
Harold Osborne	68.75	30.00	38.75
Billy Mabry	25.00	15.00	10.00
James Webb	15.00	10.00	15.00
John Turner	17.00	10.00	7.00
Arlen Lowe	35.00	15.00	20.00
Leroy Smith	20.00	15.00	5.00
Thomas Ellis	65.00	35.00	30.00
Charles Mathis	55.00	30.00	25.00
Marshall McCraw	22.00	10.00	12.00
J. P. Frey	11.00	5.00	6.00
Ted Arthur	19.00	10.00	9.00
Buster Lawter	24.00	4.00	20.00
Dean Boner	15.00	5.00	10.00
Dallis Huggins	45.00	25.00	20.00
Ronald Varner	25.00	5.00	20.00
Frankie Fowler	48.00	20.00	28.00
Lloyd Pearson	19.00	10.00	9.00
Billy A. Lee	33.60	20.00	13.60
Leland Barnette	24.20	12.10	12.10
Glenn Edwards	57.00	26.00	31.00
Harold Mahaffey	100.00	65.00	35.00
Bobby Towers	10.00	5.00	5.00
Edward Guest	18.00	13.00	5.00
Ralph Brock	15.00	5.00	10.00
Calvin Lee	38.00	18.00	20.00
Totals:	\$1,156.10	\$559.35	\$596.75

Pig Records

47

Name of Member	No. Animals	Total Value	Total Cost	Profit
Lewis Ballenger, Jr.	8	\$135.00	\$74.50	\$60.50
Billy Dillard	1	75.00	50.50	24.50
Roy Cromer	1	75.00	12.00	63.00
Troy Cromer	1	75.00	13.00	62.00
Rufus Floyd	1	48.00	10.00	38.00
Charles Ballenger	1	60.00	30.00	30.00
Paul Barnett	1	55.50	11.50	44.00
Billy Thomas	1	50.00	30.00	20.00
Grady Eubanks	1	50.00	35.00	15.00
Elmer Foler	1	45.00	30.00	15.00
Jerry Lawson	1	27.00	19.00	8.00
Marvin Lowe	1	35.00	20.00	15.00
Max Burnette	1	40.00	30.00	10.00
Hugh Sellars	1	60.00	40.00	20.00
J. D. Presnell	2	90.00	72.50	17.50
Roy Houston Morgan	2	143.75	57.60	96.15
Wayne Sanders	1	50.00	35.00	15.00
Gerald Dalton	1	75.00	47.50	27.50
Gary Cooley	1	60.00	33.00	27.00
Lewis Hobson	3	135.00	108.00	27.00
Otha Lawter	1	80.00	45.00	35.00
Jesse Garrett	1	72.50	33.00	39.50
Kenneth Sherbert	2	85.00	49.00	36.00
Ray Bishop	1	76.00	38.00	38.00
Madison Horton	1	74.00	40.00	34.00
Glenn Davis	1	69.00	35.00	34.00
C. L. Jackson	1	68.00	30.00	38.00
J. D. Graves	1	68.00	40.00	28.00
Charles Horton	1	73.00	41.00	32.00
Donald Turner	1	69.00	20.00	49.00
Talmadge Bishop	1	74.44	40.20	32.24
Bud McKinney	1	63.40	30.20	33.20
Wayne Johnson	1	73.00	40.00	33.00
Ray McCarter	1	68.79	33.20	33.59
Ervin Williams	1	79.20	41.10	38.10
Claude Reid	1	78.99	42.44	36.75
Henry Bradley	1	65.00	30.00	35.00
Ray Johnson	1	82.73	42.60	40.11
Billy Pike	1	74.20	30.00	44.20
Ibra Cheeck	1	69.49	27.22	42.27
David Morris	1	72.00	40.00	32.00
James Sherbert	1	68.00	41.00	27.00
Dudley Strange	1	65.00	40.00	25.00
John Nantz	1	85.00	50.00	30.00

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Pig Records (Continued)

Name of Member	No. Animals	Total Value	Total Cost	Profit
Furman Hood	1	\$78.00	\$33.00	\$45.00
Charles Seay	1	74.00	34.00	40.00
Terry Westbrook	1	88.00	42.00	46.00
Hughston Gilbert	1	79.00	38.00	41.00
Donald Slaton	1	75.00	41.00	34.00
Marvin West	1	68.00	40.00	28.00
Billy Dillard	1	63.00	30.00	33.00
Jimmy Newman	1	68.30	30.00	38.30
Cecil Revan	1	70.00	60.00	10.00
Bobby Cartee	1	84.00	33.00	51.00
Kenneth Caldwell	8	500.00	198.00	302.00
Liner Switzer	5	89.00	49.00	40.00
Cecil Revels	1	75.00	28.00	47.00
Paul Henderson	1	65.00	28.00	37.00
Johnny Martin	1	67.00	40.20	26.80
Boyce Gregory	1	45.00	10.50	34.50
Jerry Johnson	1	23.00	12.00	11.00
Johnnie Paris	1	60.00	10.00	50.00
Howard Burns	1	50.00	15.00	35.00
Raymond Morgan	1	78.00	40.00	38.00
Ralph Hembree	1	25.00	12.00	13.00
Kieth High	1	50.00	10.00	40.00
Paul Simmons	2	115.00	65.00	50.00
Charles Duncan	1	50.00	12.00	38.00
Bobby Wofford	1	35.00	20.00	15.00
John Powell, Jr.	1	40.00	21.00	19.00
Ray Lee	1	55.00	27.00	28.00
Olin Melton	1	72.00	60.00	12.00
Aaron Sizemore	2	120.00	80.00	40.00
Dan Sloan	1	40.00	20.00	20.00
Palmer Clayton	1	75.00	40.00	35.00
Elbert Clayton	1	50.00	25.00	25.00
Charles Solesbee	1	48.00	22.50	25.50
Stanley Webb	1	39.00	15.00	24.00
Johnny Bagwell	3	160.00	97.00	63.00
Billy Davis	1	50.00	30.00	20.00
Curtis Ward	1	45.00	30.00	15.00
Clarence Campbell	2	85.00	50.00	35.00
Hugh Smith	1	90.00	32.50	57.50
Douglas Powers	1	30.00	23.79	7.21

Continued on next page

Pig Records (Continued)

Name of Member	No. Animals	Total Value	Total Cost	Profit
James Cox	1	\$77.00	\$25.00	\$52.00
Willie Robinson	1	75.00	25.00	50.00
Shirley Lamb	1	70.00	40.00	30.00
Eugene Jennings	1	80.00	50.00	30.00
Bruce Johnson	1	70.00	40.00	30.00
Kenneth Belcher	1	85.00	40.00	45.00
Ray Cochrun	1	70.00	50.00	20.00
Raleigh Hood	1	65.00	40.00	25.00
Billy Cooley	1	69.00	40.00	29.00
Wilson Bridges	1	75.00	50.00	25.00
Charles Seay	1	70.00	45.00-	25.00
James Mann	4	100.00	60.00	40.00
Donald Bolton	1	35.00	10.00	25.00
Marshall Clayton	1	74.97	40.20	34.77
Olin Wofford	1	77.90	40.20	30.00
David Burns	1	72.00	42.00	30.00
Haskell West	1	78.00	44.00	34.00
Eugene Burns	1	81.00	31.00	50.00
Junior Smith	1	68.00	33.00	35.00
Max Owens	1	72.00	40.00	32.00
Paul Chapman	1	83.00	43.00	40.00
W. C. Simmons	1	78.00	44.00	34.00
Robert Dunaway	1	78.00	35.00	43.00
Furman Babb	1	65.00	30.00	35.00
Glenn Edwards	1	82.53	41.42	41.00
Vernon Poteat	1	78.30	37.20	41.10
Willie Joe Pace	1	82.20	50.00	32.20
Roy Dean Mabry	1	75.00	42.00	33.00
James Wall	1	73.00	40.00	33.00
Daniel Buckner	1	68.55	34.22	33.33
Billy Greer	1	79.00	40.00	39.00
Otis Greer	1	74.00	34.00	40.00
Hubert Cromer	1	67.50	30.40	37.10
J. D. Sexton	1	78.00	40.00	38.00
J. D. Young	1	73.00	40.00	33.00
Marion Harland	1	84.00	50.00	34.00
Joe Smith	1	77.00	41.00	36.00
Mack Culbreth	1	72.00	42.00	30.00
Roy Floyd	1	64.00	40.00	24.00
J. D. Bishop	1	73.00	41.00	32.00
Edward Lee	1	72.00	30.00	42.00
Totals:	157	\$9,112.65	\$4,765.49	\$4,347.16

Poultry Records

Name of Member	No. Started	No. Raised	Total Value	Total Cost	Profit
Marshal Wolfe	100	100	\$150.00	\$ 50.21	\$ 99.79
Donald Yeargin	50	34	50.00	25.00	25.00
Donald Greer	50	33	48.00	28.00	20.00
Kieth Bledsoe	25	13	17.00	10.00	7.00
Carl Fowler	25	17	40.00	34.00	6.00
Jack Clem	15	7	10.00	20.00	lost 10.00
Jack Brown	12	10	5.00	4.99	.01
Charles Gowan	12	4	5.00	4.50	.50
William Rodgers	12	5	6.00	5.00	1.00
Jack Ellison	52	25	40.50	27.00	13.00
Kenneth Clubb	11	2	3.00	1.93	1.07
Demie Kniton	12	4	6.00	3.00	3.00
James Bailey	12	6	7.00	4.00	3.00
Bobby Sutton	25	18	27.00	19.50	7.50
Landon Miller	41	38	42.00	31.22	10.78
Crawford Hammett	25	15	18.00	11.00	7.00
Reid Caldwell	6	4	6.00	3.00	3.00
James Long	20	20	20.00	15.29	4.71
Voloney Hawkins	58	20	30.00	21.00	9.00
Billy Edwards	24	13	17.00	12.00	5.00
Donald Ray	50	45	45.00	34.35	10.65
Oliver Webber	24	16	19.25	7.25	12.00
Thomas Malone	12	6	7.00	4.50	2.50
Craig McKenzie	100	70	86.00	79.45	6.55
Melvin Gowan	150	140	140.00	83.75	56.25
Cecil Burns	40	20	30.00	20.00	10.00
Andrew High	20	12	15.00	6.00	9.00
James Coggins	21	16	9.60	4.95	4.65
Dray Waters	50	44	80.00	79.50	lost .50
Danny Finger	50	30	50.00	35.00	15.00
Eugene Fowler	25	15	18.00	12.00	6.00
Bobby Lee	12	6	8.00	5.50	2.50
Edwin Gibson	100	60	90.00	45.00	45.00
Billy Wilson	25	13	20.00	16.00	4.00
Larry Mahaffey	22	21	21.00	14.05	6.95
James Bridges	50	26	30.00	27.00	3.00
Stewart Taylor	50	50	40.00	21.00	19.00
Donald Martin	35	18	17.00	9.00	8.00
Harold Prince	12	6	8.00	9.25	2.75
Samuel Green	15	10	10.00	6.75	4.25
Hugh Hayes	65	30	45.00	30.00	15.00
Harry Poteat	100	98	140.00	60.00	80.00
Dennie White	175	150	150.00	100.00	50.00

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Poultry Records (Continued)

Name of Member	No. Started	No. Raised	Total Value	Total Cost	Profit
Billy Elliott	200	164	\$164.00	\$100.32	\$ 64.02
James Long	150	135	135.00	100.00	35.00
Donnie Banks	250	228	228.49	127.34	101.15
Voloney Hawkins	100	75	74.49	30.24	45.73
Billy Lanford	75	67	67.86	36.53	31.33
Hoyt Burnett	220	194	193 .00	102.00	91.00
Oneil Scruggs	200	250	250.00	150.00	100.00
Choice McKinney	150	139	139.00	78.00	61.00
Sevean Spencer	150	138	138.00	75.00	63.00
Donald Harmon	100	99	99.00	65.00	34.00
Floyd Brown	300	244	244.97	142.34	102.63
Billy Smith	200	167	167.00	100.00	67.00
Noel West	200	189	189.59	110.00	99.59
Wesley Hayes	250	233	233.00	143.00	90.00
Samuel Souther	250	245	245.00	142.00	103.00
Jack Pruitt	200	185	185.00	100.00	85.00
Stevie Swofford	200	178	178.00	110.00	68.00
S. E. Turner	285	243	242.00	142.00	100.00
Raymond Cash	30	30	30.00	20.00	10.00
Wayne Bishop	50	40	40.00	25.00	15.00
Harold Calloway	20	14	14.00	6.00	8.00
Franklin Hembree	50	35	35.00	30.00	5.00
Donnie Turner	50	30	30.00	15.00	15.00
Donald Jones	25	20	20.00	15.00	5.00
Kenneth Renfro	50	48	48.00	28.00	20.00
Samuel Gosnell	100	78	78.00	37.00	41.00
Jim Jackson	150	150	150.00	65.00	85.00
William Stanley	60	50	50.00	25.00	25.00
Grier Holt	100	70	70.00	25.00	45.00
Bobby Joe Smith	55	50	50.00	26.00	24.00
Mike Thompson	35	30	30.00	10.00	20.00
Tom West	100	85	85.00	45.00	40.00
John Gossett	120	110	110.00	50.00	60.00
Dan Christopher	25	25	25.00	10.00	15.00
Edward Harrison	51	49	47.00	34.00	13.00
Joe Harrison	17	17	17.00	7.00	10.00
Frank Maxwell	50	30	30.00	20.00	10.00
Dewitt Gaston	30	30	30.00	20.00	10.00
Thomas Massengale	65	60	60.00	40.00	20.00
Kenneth McKinney	200	184	184.00	100.00	84.00

Continued on next page

Poultry Records (Continued)

Name of Member	No. Started	No. Raised	Total Value	Total Cost	Profit
Billy McKinney	300	275	\$275.00	\$173.00	\$102.00
Jimmy Paris	50	48	48.00	28.00	20.00
Thomas Emory	50	50	50.00	25.00	25.00
Warren Green	45	34	35.00	15.00	20.00
Eddie Cooley	100	75	75.00	50.00	25.00
Totals:	7,548	6,171	\$6,517.23	\$3,805.71	\$2,711.52

Wheat Club Records

Name of Members	No. Acres	Yield	Total Value	Total Cost	Profit
John D. Fowler	1	25	\$ 50.00	\$ 15.00	\$ 35.00
Jerrold Bennett	2	40	80.00	55.00	25.00
Wallace Burns	1	30	60.00	40.00	20.00
Lewis Settle	1	20	40.00	30.00	10.00
Tarry Settle	1	22	44.00	33.00	11.00
Marvin Campbell	1	25	50.00	28.00	22.00
Totals:	7	162	\$324.00	\$201.00	\$123.00

Arbor Day Program An arbor Day Program was held at the Cleveland Junior High School December 6, 1947, 300 boys, girls and leaders attended. The highlight of the program was the planting of a cork oak seedling. Cleveland Junior High School Band participated in the program. Lunch was served in the dining hall of the Cleveland Junior High School.

Officers and Leaders Training School and Banquet: An officers and leaders training school was held for the officers and leaders of the community clubs February 7th at the Cleveland Hotel, 200 officers, leaders and guests attended. After the training school, a banquet was given in honor of the county's 4-H officers and leaders. Leaders were awarded certufucates according to their number of years of club work.

National 4-H Club Week: In observance of National 4-H Club Week the West View 4-H Club gave a radio program over W.S.P.A. A 4-H display at the Aug. W. Smith Company was exhibited the entire week.

Rally Day: On March 29th a County Wide 4-H Rally Day was held in Spartanburg with 540 club boys, girls and leaders attending. Three boys' clubs had 100% of their members attend.

4-H Encampment: Two hundred and twenty five 4-H boys, girls and local leaders attended camp at Rocky Bottom June 3rd through 6th. We believe this was a successful camp. Eighteen local leaders from the county attended camp and were of valuable service to us in conducting camp.

Favorable comments from club members, leaders and parents were expressed. We believe by going to camp and being closely associated with club members and leaders, our club program will be strengthened in the county.

Dairy Calf Club: The Dairy Calf Club was increased from 4 to 29 boys with purebred calves this year. Twenty-two of these boys exhibited calves at the Piedmont Interstate Fair in Spartanburg, ten were exhibited at Newberry County Fair and the State Fair in Columbia, total winnings were \$364.00.

Our Dairy Calf Club was reorganized this year. Cecil Coggins is President, Douglas Garrett, Vice-President and Howard Coggins, Secretary. Regular monthly meetings were held throughout the year. The advisory board consists of W. W. Crim, W. D. Finch and Cotton Hobson.

A 4-H Dairy Judging Team was trained and participated in the district elimination.

Sears Roebuck Poultry Contest and Banquet: A Sears Roebuck Poultry Contest was conducted in the county this year with 114 boys and girls participating. Each received 100 baby chicks. One hundred and sixty eight were sold for \$351.00 at the Spartanburg Fair. The money received will buy other club members chicks next year. A banquet was given on October 10th in honor of these club members and awards were presented at that time.

Parents Night: Three 4-H clubs held "Parents Night" in their communities. This seemed to stimulate club work in those communities.

County Council: Joan Reynolds was President of the County 4-H Council, Douglas Garrett, Vice-President and Grier Holt, Secretary. These officers attended the State Council Camp held at Camp Long. The county council report was completed and submitted to the State President.

State Conservation Camp: Six representatives from Spartanburg County attended the state 4-H Conservation Camp held at Camp Bob Cooper.

Visual Instruction: Two motion pictures were shown to our twenty three 4-H clubs. A 4-H club booth was arranged and exhibited at the Piedmont Interstate Fair held in Spartanburg, October 7 - 11.

HORTICULTURE

Extension Horticultural work in Spartanburg County in 1947 consisted of work with home gardens, sweet potato production, truck crops and peaches.

Gardens: Information on home gardens was presented to Farmers through radio broadcasts, newspaper articles and personal visits.

Truck Crops

Fall Tomatoes and Cantaloups: No demonstrations in either of these crops was conducted for 1947, this was due to the fact that both of these crops were almost complete failures due to weather conditions. Growers of these crops were given information regarding fertilizing and other production practices.

Commercial Apple Production: The agent devoted considerable time during 1947 in assisting apple growers in the county. There is considerable acreage of apples in the county and the growers were assisted in marketing 5,305 bushels of apples through the Spartanburg County Farmers' Market in 1947, with sales amounting to \$14,266.73. The crop this year was considerably smaller than in 1946. A revised apple spray schedule was made by the Extension Entomologist and the Extension Horticulturist, this spray chart was distributed to all apple growers in the county.

Commercial Peach Production

Work with commercial peach growers in 1947 consisted of helping growers with their production, labor, and marketing problems. This was accomplished through newspaper articles, farm visits, meetings, circular letters and radio broadcasts. The peach crop in 1947 was smaller than in 1946. This was due partly to dry weather and also partly to the fact that there were too many peaches on the trees and an insufficient amount of thinning was done. The market for peaches was not as good in 1947 as in the previous years, this was also due primarily to the size of the fruit as those growers who were able to ship peaches of 2 inches in diameter and larger received premium prices on the market. An intensive disease and insect control program was conducted and the quality of the fruit from this standpoint was better than in 1946. The Extension forces received very splendid cooperation from growers and others in conducting this program.

Circular Letters: The Orchard Letter was sent out at regular intervals through the year by the Extension Horticulturist. These letters contained the latest recommendations concerning disease and insect control, fertilizer practices, cover crops and other information of interest to peach growers.

Cover Crops: The growers of the county have been urged to seed winter cover crops for the conservation of the soil and soil fertility. The Extension Service is recommending that small grain be used instead of winter legumes unless DDT is used for a control of the Tarnish Plant Bug. Two demonstrations in orchard cover crops were conducted in 1947, a summary of these demonstrations is given on the following page.

Summary Orchard Cover Crop Demonstrations

Name	Crop	Lbs. green Wt. per Acre	Lbs. dry Wt. per Acre
Frank Bush	Oats & Barley	10,475	1,857
W. B. Hammett	Rye	7,250	1,157

An intensive cover crop campaign was planned for 1947 but very little was accomplished due to rainy weather in the fall of 1947.

Marketing: Market News Service was furnished to all peach growers in the area. Also several marketing agencies have their headquarters in Spartanburg County. The county agents assisted peach growers with their marketing problems whenever possible.

Labor: The county agent and the labor assistant also helped peach growers to locate labor the production and harvesting of peaches. This part of the program is discussed further in the heading of the farm labor program under Agricultural Economics in this report.

Packing House Survey: During the year a survey was made of all peach packing sheds and these were located on a county map. This was to assist truckers and others wishing to buy peaches to locate a supply of fruit.

Commercial Canneries: Two commercial canneries were operated in the county in 1947, these were operated by the South Carolina Peach Growers' Association and the Spartanburg Cooperative Cannery. These canneries are a valuable asset to the peach industry.

Demonstrations With Spray Materials: In cooperation with Extension Horticulturist 5 demonstrations were conducted, using BHC and other spray compounds. These are being summarized by the Extension Horticulturist and will be included in his report.

Spray Scheduled: A schedule of the different spray for the control of the various insects and diseases was prepared by Extension Entomologist and Extension Horticulturist and distributed to all peach growers in the county.

Plant Bug Demonstrations: In cooperation with Dr. R. Y. Snapp of U. S. Department of Agriculture, two demonstrations in the control of plant bug were conducted using B.H.C. and D.D.T. These materials were applied with a fog machine or a power spray pump. A summary of these demonstrations will be found on the following page.

Plant Bug Demonstrations

Treatment		Peaches damaged by Sucking Bugs		
		Per cent		
DDT at petal fall and shuck off		4.0		
DDT with lime at petal fall and shuck off		5.2		
Benzene hexachloride at petal fall and shuck off		5.4		
DDT at petal fall only		4.0		
Benzene hexachloride at petal fall only		8.8		
DDT at shuck off only		15.4		
Benzene hexachloride at shuck off only		11.2		
Check - untreated		17.0		

Locality	Variety	Machine used for Making Treatment	Treatment	Peaches damaged by Plant Bug
Cross Anchor	Halehaven	Fog machine	DDT	3.2
Cross Anchor	Halehaven	Power spray outfit	DDT	4.0
Cross Anchor	Halehaven	--	Check-untreated	17.0
Woodruff	Halehaven	Fog machine	DDT	3.6
Woodruff	Halehaven	Power spray outfit	DDT	4.0
Woodruff	Burnett Elberta	Fog machine	DDT	3.6
Woodruff	Burnett Elberta	Power Spray outfit	DDT	4.4
Woodruff	Burnett Elberta	--	check-untreated	20.6

Variety Demonstration: A variety demonstration was initiated on the Dobson Farm near Greer, S. C. In this demonstration it is hoped to keep the very latest peach varieties growing in an easily accessible place for growers to see. Eighty trees were donated by a nursery and these trees were planted, out back and in June the desired varieties were top worked on. At present there are eleven varieties growing as follows: Dixired, Digigen, Early Triogem, N. J. 135, N. J. 133, N. J. 137, Triogem, Sunhigh, Sullivans, Afterglow, and Fireglow.

Pruning Demonstration: 28 pruning demonstrations were given during the year.

Parasites: Parasites for the control of fruit moth were distributed these amounted to 292,000.

MARKETING

Extension work in marketing in 1947 consisted of assisting in the operation of the Spartanburg County Farmers' Market, grading, packing and standardization of farm products, also inspection work, buying and selling of farm products.

Market News Service: The Market News Service was located in Spartanburg during the heaviest movement of the peach season. This service, which was obtained for peach growers through the efforts of the Extension Service and others, was very beneficial as information regarding prices, daily car movements, car placings and information from all leading markets was given each day. Mr. H. F. Wilson was in charge of this office. It is hoped that this service will be provided growers each year.

Spartanburg County Farmers' Market: The Spartanburg County Farmers' Market, with the assistance of the Division of Markets, was organized in 1939. The purpose of the market is to assist the farmers in the county in grading, packing, standardizing, centralizing and marketing surplus farm products. In 1947 the principal commodity handled were apples, tomatoes and poultry. The marketings were usually light due to almost total crop failures in cantaloups and tomatoes. The apple crop was also considered small than in 1946. A summary of commodities through this organization is given below.

Sales Through Spartanburg County Farmers' Market

Product	Quantity	Value
Apples	5,305 Bu.	\$14,266.73
Tomatoes	374 Bu.	923.75
Poultry	2,417 Lbs.	734.65
Total:		\$15,925.13

Inspection Work: The Extension Marketing Division again had charge of Federal inspection work in the county in 1947, and all peaches moved out of the county in carlot shipments were inspected. The Federal inspectors, under the efficient supervision of T. A. Cole, Chief, Division of Markets, rendered growers a great service in assisting them in picking, grading and packing.

Grading, Packing & Standardizing of Farm Products: The importance of properly grading, packing and standardizing farm products, were emphasized in the operation of all marketing organizations in the county by the agent and personnel of the Division of Markets. A grading machine for apples and tomatoes has been installed at the central market and is used for the proper grading of these products. Farmers using these facilities were encouraged to watch operations in order to educate them as to the value of proper grading and packing.

Peach Packing House Survey: During 1947, a survey of the number of packing houses in the county was made and these packing houses were located on a map of Spartanburg County. These maps were used to direct truckers and others interested in buying peaches to a source of supply. There are 257 packing sheds in Spartanburg County.

Cold Storage Locker Plant: The Cold Storage Locker Plant was completed and began operation on January 1, 1944, and the Spartanburg County Farmers' Market Association was merged with the locker plant. This plant contains 1,000 lockers all of which are rented. Storage is available for fruits, vegetables, eggs and meat. These commodities are also processed. This plant has aided materially in the conservation of food in Spartanburg County. A summary of the processing done at the locker plant follows:

Locker Plant Processing

Product	Amount
Beef, Veal, Lamb	85,258 Lbs.
Poultry & Game	56,630 Lbs.
Pork	267,445 Lbs.
Total:	409,333 Lbs.

Seed Cleaning Equipment: During 1947, a modern seed cleaning outfit was installed at the Spartanburg County Farmers' Market to clean and treat seed for farmers. While it was late when this equipment was installed, 825 bushels of wheat, 327 bushels of barley and 2,011 bushels of oats were processed.

Cooperation With Existing Farmer Owned Cooperatives

S. C. Peach Growers' Association: This association, in addition to marketing peaches for its members, also provides services for its members by handling supplies such as spray materials, packing house equipment, containers, etc.

Spartanburg Cooperative Cannery: This cooperative was composed of 15 members in 1947 and canned only peaches of its members. A total of 61,000 cases of peaches were canned in 1947.

Spartanburg County Soil Improvement Association: This cooperative was organized for the purpose of providing equipment and terracing services to the farmers of the county in an effort to assist them with their soil erosion problems. In 1947, 820 acres of land were terraced on 40 farms. The technical assistance is provided by the Extension Service and the Spartanburg County Delegation. There has been no technical assistance since May of 1947, Mr. Ferguson having resigned at that time to go in business for himself.

Spartanburg County Cooperative Breeders' Association: The organization of this cooperative was started during 1945. Its purpose is to improve the quality of dairy cattle throughout the county. A summary of this work is discussed under the Dairy section of this report.

Cooperative Organizations in Spartanburg County

Name	Product	No. Members	Value Products	
			Bought	Sold
S. C. Peach Growers' Assn.	Peaches	225	\$1,026,943.52	\$2,874,354.11
Spartanburg Coop. Cannery	Peaches	15	201,937.90	277,582.31

Cooperative Buying & Selling of Farm Products

Poultry Marketing: In cooperation with the Home Demonstration Agent's office, a regular poultry schedule was operated from December to March. Buying stations for poultry were set up in almost every community in the county, and centered at the Spartanburg County Farmers' Market. This is further discussed in the Poultry section of this report.

Miscellaneous Activities: The County Agent also assisted farmers in disposing of and buying miscellaneous farm products and supplies whenever possible. A summary of this work is found on the following page.

Product	Quantity	Bought	Sold
Apples	5,305 Bu.		\$14,266.73
Tomatoes	374 Bu.		923.75
Dairy Cattle	22 Head	\$3,320.00	
Beef Cattle	4 Head	1,500.00	
Peaches	100,000 Bu. Est.		80,000.00
Poultry	85,518 Lbs.		21,832.45
Cotton Seed	1 Ton		100.00
Lespedeza Seed	1,800 Lbs.		144.00
Fruit Moth Parasites	297,375		47,580.00
Hogs	2 Head	70.00	
Pecan trees	200	550.00	
Totals:		\$53,020.00	\$117,266.93
Total		Bought & Sold	\$170,286.93

POULTRY

Extension work in poultry in Spartanburg County consisted of educational work in parasite and disease control, proper feeding practices, marketing and flock improvement work.

Marketing: A poultry truck schedule was operated for a part of the year and 86,101 pounds of poultry was sold for \$21,097.80. In addition to this amount 2,417 pounds were sold for \$734.65 making a total of 88,518 pounds and a cash value of \$21,832.45.

Flock Improvement Demonstrations: Four flock improvement demonstrations were conducted in the county in 1947, a summary of these demonstrations follows:

Flock Improvement Demonstrations

Name	No. Birds	No. Birds Reacted	No. Birds Culled	No. Doz Hatching Eggs Sold	Value with Premium
D. R. Caston, Spartanburg	170	-	1	600	380.00
A. E. Cogley, Spartanburg	509	-	25	410	287.00
W. H. Sellen, Spartanburg	226	2	26	1,284	908.00
Seven Oaks Farm, Spartanburg	2947	-	1	2,217	1,662.00
Totals:	3852	2	53	4,510	\$3,327.00

Chicken Of Tomorrow Contest: 8 Spartanburg County poultrymen were enrolled in the Chicken Of Tomorrow Contest. These birds exhibited at Clemson and Spartanburg placed first, third, fourth and fifth.

PUBLICITY

Publicity work and the distribution of educational information in connection with the 1947 extension program in Spartanburg County was done through circular letters, press articles, radio talks, the distribution of bulletins, and individual contacts. A summary of work done in this connection is given as follows:

Summary of Publicity Work

Individual letters.....	545
Circular letters.....	43
Copies mailed.....	11,376
Press articles.....	194
Radio talks.....	64
Bulletins distributed.....	2,092
Farm visits.....	1,766

Circular Letters: A total of 43 circular letters were prepared, and 11,376 copies mailed to farmers and 4-H club boys in Spartanburg County in 1947. These letters contained information on timely agricultural matters, notices of meetings, and information on results of demonstrations and experimental work. Specimen copies of circular letters are attached to this report.

Press Articles: A total of 194 press articles of timely agricultural interest were published in Spartanburg County newspapers during the year. Specimen copies of news articles are attached to this report.

Radio Talks: Sixty-four radio talks on agricultural subjects were made by the county agents over station W.S.P.A. during the year.

Bulletins Distributed: A total of 2,092 bulletins were distributed to farmers and 4-H club boys during the year.

Farm Visits: The agents made 1,776 farm visits relating to Extension Work during the year.

VISUAL INSTRUCTION

Visual instruction work for the year consisted of the use of educational motion pictures, film strips, photographs, and charts and maps.

Educational motion pictures were used at sixty seven farmers' meetings and 4-H Club meetings with a combined attendance of 3860 people. The educational motion pictures shown by the extension service are valuable in teaching agricultural practices, and in increasing attendance at farmers' meetings.

Slides were shown at eight farmers' meetings with an attendance of 576 farmers.

Photographs were made by the assistant county agents and the county agent of three demonstrations in the county.

Charts and maps were used in 13 farmers' meetings, attended by 427 farm people.

Visual Instruction Work

Visual Aid Used	Number Meetings	Attendance	
		Adults	4-H Club Members
Motion Pictures	67	1,310	2,550
Slides	8	576	0
Charts & Maps	14	462	0

The projector which was assigned to the Spartanburg Extension Office in 1947 was used in 61 meetings attended by 3,694 farmers and 4-H club members. Farm building models were exhibited at one meeting attended by 14 farmers and also placed on exhibit at the Piedmont Interstate Fair.

Fair Exhibits

The county agent in cooperation with the home demonstration agent prepared a county-wide exhibit and also a 4-H Club booth for display at the Piedmont Interstate Fair which was held in Spartanburg.

4-H Club Exhibits: Nineteen 4-H Club members exhibited twenty-one calves at the Piedmont Interstate Fair in Spartanburg. Two club members also exhibited grain and other farm products. Ten calves were also exhibited at the State Fair at Columbia, S. C., and the Newberry County Fair at Newberry, S. C.

A.A.A. ACTIVITIES

The county agent acted as ex-officio member of the county committee and attended as many meetings of this committee as possible. The county agent also cooperated with this agency by getting information concerning this program into the hands of farmers. The grant of aid or purchase order programs for materials and services have been very helpful to the farmers of the county. A summary of materials purchased by farmers follows:

Grant of Aid Materials Purchased by Farmers

Material	No. farmers	Amount
Limestone	664	8,318 tons
Acid Phosphate	414	1,249 tons
Austrian Winter Peas	33	24,600 lbs.
Terracing	95	595,502 feet

Limestone: As a result of this program, 664 farmers purchased 8,318 tons of lime as a grant of aid. A number of farmers who had already earned their soil building allowance by other practices also bought lime directly from dealers.

Acid Phosphate: 414 farmers purchased 1,249 tons of phosphate as a grant of aid.

Austrian Winter Peas: 95 farmers purchased 24,600 lbs. of Austrian Winter peas as a grant of aid. In addition a large tonage was bought by the other farmers, principally peach growers, to be used as winter cover crops in peach orchards.

Terracing: 95 farmers has 595,502 feet of terraces built as a grant of aid under the 1946 A.A.A. program.

MISCELLANEOUS COUNTY AND COMMUNITY ACTIVITIES

Spartanburg Chamber of Commerce: The County Agent served as a member of the Agricultural Committee of the Spartanburg Chamber of Commerce. The Agricultural committ of this organization continued to sponsor the artificial breeding program. This program has created considerable interest and it is believed that this program will aid considerably in improving the dairy cattle of the county.

Piedmont Interstate Fair: The County Agent and Assistants acted as superintendents of the agricultural exhibits at the Piedmont Interstate Fair, and the county agent is also a director of this organization.

Kiwanis Club Agricultural Committee: The County Agent served as a member of the Kiwanis Club Agricultural Committee and during the year arranged two programs of the club. The Kiwanis and other civic clubs have sponsored many worthwhile agricultural programs in the county.

Miscellaneous: The County Agent also served as secretary of the Spartanburg County Farmers' Market, The Spartanburg Coopverative Cannery, The Spartanburg County Cooperative Soil Improvement Association and the Spartanburg County Cooperative Breeders' Association.

On the following pages will be found specimen
copies of press articles published during the
year.

Cotton Loan, Parity Data Announced by Agent Jones

By JOE FRANK JONES
Spartanburg County Farm Agent

The average loan rate for $\frac{3}{8}$ inch middling cotton, gross weight, will be 26.49 cents per pound, which is 92 $\frac{1}{2}$ per cent of the parity price of cotton as of Aug. 1, 1947. The parity price on Aug. 1 is 28.64 cents per pound. Last year the average loan rate (92 $\frac{1}{2}$ per cent of parity) for $\frac{3}{8}$ inch middling cotton, gross weight, was 22.83 cents per pound.

The average rate for 16/16-inch middling cotton will be 145 points (1.45 cents) per pound above the gross weight of the cotton and the average rate for 16/16-inch middling cotton, gross weight, will be 27.94 cents per pound.

PREMIUMS AND discounts for grade and staple in the 1947 loan program will be calculated in relation to the loan rate on 15/16-inch middling cotton. The schedule of premiums and discounts for grade and staple applicable in the 1947 loan program was issued on June 2, 1947, when an interim loan program was also announced.

The loan rates will vary according to location. The rate per 15/16-inch middling cotton, gross weight, will vary from a high of 28.55 cents per pound in the concentrated mill area of the Carolinas to a low of 27.24 cents per pound in Arizona and California.

LOCATION differentials for each warehouse point will be based on the freight rate to the mill area of the Carolinas, except in Eastern Tennessee, Virginia North Caro-

lina, South Carolina, Georgia, Florida and Alabama, where a zone system will be in effect. The accompanying schedule defines the mill area and shows the variation in loan rates by counties for the zoned area.

Loans will be made on cotton represented by warehouse receipts issued by warehouses approved by Commodity Credit Corp. Cotton to be eligible for the loan must be classed by a board of cotton examiners of the U. S. Department of Agriculture.

COTTON PRODUCERS' notes will bear interest at the rate of 3 per cent per annum and will mature July 31, 1948, but will be callable on demand. Loans will be available until May 1, 1948.

Producers' eligibility requirements are defined in Cotton Loan Instructions issued by CCC. Loan forms are being made available through approved cotton warehouses, approved lending agencies, and county agricultural conservation association committees.

Loans will be made direct by the Commodity Credit Corporation or through lending agencies, principally banks, approved by the corporation. Requests for approval as lending agencies should be directed to the New Orleans Office, Commodity Credit Corporation, Production and Marketing Administration, New Orleans 12, La.

THERE IS considerable interest in fescue at this time and the following information concerning this grass should be timely.

Farmers who are planning to seed their grass should select a soil that would make a good site. The seed should be planted on a firm seed bed and 400 to 600 pounds of a complete fertilizer should be used. The soil should be tested and if the P H value is below 6 to 6.5 lime should be used. Seeding from August 10 to 20th usually gives the best results. These seed may either be sown broadcast or in rows. If sown broadcast, cover seed lightly and if possible firm the seed bed with a cultipacker. If broadcast, seed at the rate of 20 pounds per acre, but if in rows for seed production plan 10 pounds per acre and give enough cultivation to control weeds. Also if good clean seed are to be produced, weeds must be removed before harvest. This grass matures unevenly but may be harvested with a combine or cut with a binder and later thrashed with a grain separator. The yield of seed per acre usually runs from 75 to 400 pounds per acre and it looks as if the demand for these seed will be good for several years. Many questions have been asked regarding the difference between the Fescue 31 and the Alta Fescue and at this time it seems that the only difference is that the Fescue 31 costs approximately \$1 per pound than the Alta Fescue.

4-H Clubbers To Get Awards Here Saturday

Presentation of awards to boy and girl winners in various 4-H Club contests will highlight the annual Spartanburg County Achievement Day celebration Saturday at Cleveland Junior High School.

More than 1,500 4-H clubbers from throughout the county are expected to take part in the affair which is scheduled to begin at 10 a.m.

A total of 22 awards will be conferred on boy club members for outstanding achievements in 12 contests, County Agent Joe Frank Jones has announced.

A list of girl winners was incomplete this morning.

Clemson and Winthrop Colleges will send representatives to the gathering. County agricultural and home demonstration extension service agents will also attend.

All members' parents and local leaders of the county's 55 clubs have been invited to be present as well as the public at large.

Certificates will be awarded 897 boys and girls who have completed projects and record cards.

Club members who have completed 4 years of 4-H work will receive diplomas.

The boys and girls who have completed one or more years of club work will be presented gold seals.

Extension Agents participating will include County Farm Agent Jones, Assistant County Farm Agents Herbert D. Marrett and R. O. Williams, County Home Demonstration Agent Ellie L. Herrick and Assistant Home Agent Martha Chapman.

Other program highlights include the screening of an educational movie, a short devotional by the Rev. Wallace W. Friday, pastor of Bethel Methodist Church, short talks by various club members, group singing and refreshments.

Awards will be made to the following boys:

Soil Conservation Contest, Ted Sizemore, Spartanburg Route 1; National 4-H Poultry Achievement Contest, first prize, Marshall Wolfe, Inman Route 2; second prize, Donald Harmon, Spartanburg Route 6, and third prize, Bobby Smith, Roebuck Route 1; Meat Animal Contest, Elbert Clayton, Inman Route 3, and Leadership Contest, Ben Dunigan, Spartanburg, Route 2.

Also, Home Grounds Beautification Contest, Clarence Campbell, Liberty School, Drayton Route 1; Health Contest, Senior Contest, Billy Dillard, Spartanburg Route 1, and Junior Contest, Ray Lee, Spartanburg Route 1; Garden

40 Ford convertible, heater.
1936 Ford sedan, 1935 Ford phaeton.
1936 Ford coach, radio, heater; 1936
Ford coaches; 1938 Chevrolet coach;
1939
Ford coupe, radio, heater; (2) 1939
Ford coupe, radio, heater; 1940 Ford de-
luxe, a nice one; 1940 Ford deluxe
coach, a nice one; 1941 Ford super deluxe
coach, heater; 1941 Ford super deluxe

3 Fairs Award Spartan 4-H Calves Honors.

By HERBERT D. MARETT

Spartanburg County Asst. Farm Agent

Four-H Dairy Club calves and their proud owners of this section are "in there and pitching!"

Spartanburg County 4-H Dairy Calf Club members own 29 purebred calves. At the Piedmont Interstate Fair 21 4-H club members exhibited and showed their calves. Ten of these calves were shown at the Newberry Fair Oct. 13-18, and were shown at the State Fair Oct. 20-25.

In the Guernsey division at the fair Juanita Danson of Landrum showed her junior calf at the Piedmont Interstate Fair and placed first in the junior fair and first in the open show. At Newberry her calf placed first in the junior fair and first in the open and was also declared grand champion at the Newberry Fair.

BEN DUNIGAN, 4-H Club boy from Zion Hill, showed his Guernsey senior calf at the Piedmont Interstate Fair, taking first place in the junior fair and first place in the open class and third in fitting and showing class. At the Newberry Fair his calf placed second in the junior fair and second in the open class. Ben also placed second in fitting and showing at the Newberry Fair. At the State Fair his calf placed second in the junior fair and second in the open class. He was also in the final elimination for the best showman.

Ray Patterson of Holly Springs 4-H club showed his senior calf at the Piedmont Interstate Fair and she placed fifth in her class.

JUNIOR COOLEY exhibited his yearling calf and placed fourth in her class at the Piedmont Interstate Fair.

Wayne Hill, 4-H boy from Drayton, showed his senior yearling, placing first in her class at the Piedmont Interstate Fair in both junior fair and open class. At Newberry she placed first in the open and junior fair. At the State Fair she placed fifth in her class.

Betty Earl Sloan of Rainbow Lake exhibited her senior yearling at the Piedmont Interstate Fair and placed fifth in her class.

Frances Bishop of Inman showed a senior yearling, placing fifth at the Piedmont Interstate Fair.

ANN HARMON exhibited her calf at the Piedmont Interstate and Newberry County fairs. At the Newberry Fair she placed second in the junior fair and open class. At the State Fair she placed fourth in the junior fair and fifth in the open show.

Our county group of 5 best Guernseys placed second at the Piedmont Interstate Fair.

In the Jersey division of the fairs Marshall Wolfe of Inman exhibited his junior calf at the Piedmont Interstate Fair and won second in the junior fair and third in the open class. At the Newberry Fair he took first in the junior fair and first in the open. At the State Fair she placed third

in open class.

Cecil Coggins, Zion Hill, placed his senior calf first in the junior fair and second in the open at the Piedmont Interstate Fair. He placed first in the fitting and showing at the Piedmont Interstate Fair and won a trophy for the best fitted Jersey. His calf placed first in the junior fair and open at the Newberry Fair. At the State Fair she placed first in the junior fair. Cecil also placed second in the championship.

JOHNNIE CLEMENT exhibited his senior calf at the Piedmont Interstate Fair and she placed third in her class.

Harold Wolfe's senior yearling placed first in the junior fair and second in the open at the Piedmont Interstate Fair. At the Newberry Fair she placed second in junior fair and second in the open class. At the State Fair she placed third in her class.

Howard Coggins of Zion Hill showed his calf at the Piedmont Interstate Fair. At the Newberry Fair she placed fourth in open and junior fair, at the State Fair she placed fifth.

Jimmie Gossett of Woodruff showed his calf at all 3 fairs, placing fifth at the Newberry Fair and sixth at the State Fair.

Poultry Will Be Bought At Mart Station

By JOE FRANK JONES
Spartanburg County Farm Agent

Arrangements have been made to operate a poultry buying station at the Spartanburg County Farmers' Market and Cold Storage Locker Plant, Spartanburg-Inman Highway. Poultry will be bought on Mondays and Thursdays of each week until further notice.

We have been advised by B. D. Cloaninger, head of the Fertilizer Department at Clemson, that G. C. Templeton of Cross Anchor has been reappointed fertilizer inspector for Greenville, Laurens and Spartanburg counties. Farmers who wish to have fertilizer inspected should feel free to request this service.

FARMERS ARE again being asked to collect scrap iron and steel as it is needed to keep the steel furnaces operating at capacity. It is hoped that through this program the production of tractors and other farm equipment will be increased. All scrap should be delivered to your nearest scrap iron dealer.

In recent weeks, many growers have noticed larvae (worms) in peach mummies left in orchards and it seems that some thought that it could be curculio. This idea is incorrect.

ATTENTION IS CALLED to the fact that the curculio, peach worm, overwinters as an adult and not as a larva. Having gone into hibernation the last of September, the adult curculio is under leaves in wooded areas, in rubbish or weeds in or near orchards, and in hedge-rows and ditch banks.

It is safe to say that the worms found in mummies are fungus weevils. There are 50 odd species of the fungus weevils and this particular one is commonly called the coffee bean weevil.

Since the weevils live on fungus growth, and brown rot is a fungus, the presence of these worms could be expected. We are reminded that if he did not have these brown rot mummies in our orchards, we would not have these fungus weevils.



JONES

Poultry Truck Schedule And Prices Listed

By JOE FRANK JONES
Spartanburg County Farm Agent
Two poultry pick-up trucks will be operated in the county Friday on the following schedule:

First truck—Chesnee, 10 to 11; Cowpens, 12 to 12:30 and Woodruff, 2 to 3.

Second truck—Landrum, 10 to 11; Campobello, 11:30 to 12, and Inman, 1 to 2.

PER POUND PRICES: Leg-horns, 20 cents; colored hens, 27 cents; roosters, 10 cents; ducks and geese, 12 cents; turkey hens, 25 cents; turkey toms, 20 cents; and well cured and trimmed country hams, 45 cents.

With the increase of livestock, good permanent pastures are needed to furnish feed and

provide erosion control. Many South Carolina farmers can have excellent pastures, if they will lime, fertilize, and seed them properly. The Triple-A offers liberal cash payments to cooperating farmers for establishing or reseeding permanent pastures.

NOW IS THE TIME to catch up on eating fried chicken! Recently, glutted markets in commercial broiler areas have resulted in broiler prices disastrous to poultry growers but tempting to consumers. Using more poultry and eggs in the diet will not only furnish good cheap meat, but will also bring relief to producers at an early date.

The shortage of fertilizer materials may prevent the manufacture of the approved grade for top-dressing small grain. Since enough solid nitrogen materials such as nitrate of soda, sulphate of ammonia, and Cal-nitro are not available to meet demands, the use of ammoniated mixtures (nitrogen solution plus phosphoric acid) are recommended. These include 4-16-0, 6-14-0, 8-12-0, 10-12-0, and 12-12-0 for top-dressing small grains. The phosphoric acid used as a nitrogen carrier, if not utilized by the present crop, will be by the lespedeza or other crop following.



JONES

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

Spartanburg, S. C.
Jan. 31, 1947

EXTENSION SERVICE

Dear

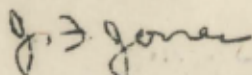
Our Annual 4-H Club Leader-Officer Banquet will be held at the Cleveland Hotel on Friday, February 7, at 7:00 P.M. Knowing that you are interested in the young people of our county, particularly the farm boys and girls, we are extending to you a cordial invitation to attend this banquet. We are expecting approximately 150 people.

Realizing that our boys and girls will be the leaders of tomorrow, we know you feel as we do that these boys and girls need to be recognized when a job is well done. Our local 4-H Club leaders will be present and will also be recognized for their efforts in our 4-H Club program in the county.

Enclosed is a card we would like for you to fill out and return to us. This information is necessary in order that a place may be reserved for you. We are looking forward to having you with us on this occasion.

Very truly yours,

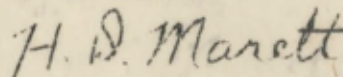
J. F. Jones



County Agent

JFJ/HDM:cb

H. D. Marett



Asst. County Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

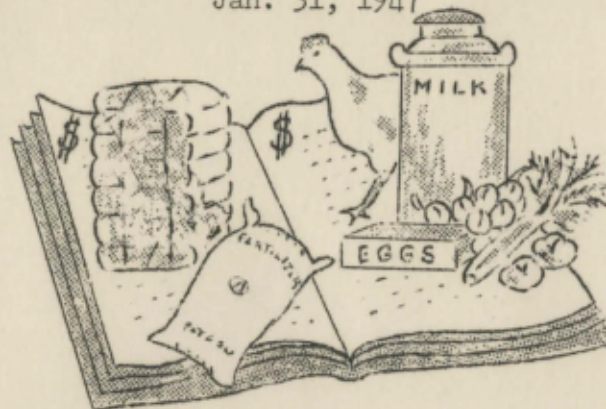
STATE OF SOUTH CAROLINA

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

Spartanburg, S. C.
Jan. 31, 1947

EXTENSION SERVICE

WHAT IS THE
OUTLOOK
FOR



BALANCING
YOUR
FARMING?

To: Certain Spartanburg County Farmers
and County Committeemen

Dear Sir:

One of the most important meetings of the year will be held in the ballroom of the Cleveland Hotel on Friday, February 7, at 10:30 A.M. The latest information on the agricultural situation and outlook for 1947 will be presented and this information should be of interest to you in planning your farming operations for this year.

In addition to the general agricultural and fertilizer situation which is to be discussed by Mr. L. B. Massey, District Extension Agent, Mr. C. G. Cushman, Extension Dairy Specialist and Mr. Roy J. Ferree, Extension Horticulturist will give us the latest information regarding dairying and peaches. Mr. J. O. Patterson, Jr., will also be present to discuss the Triple "A" program for 1947.

This meeting should be helpful to all farmers and your assistance in informing the farmers in your community of this meeting will be deeply appreciated.

THE PLACE-----CLEVELAND HOTEL BALLROOM (5th Floor)

THE DATE-----FEBRUARY 7, 1947

THE TIME-----10:30 A. M.

Very truly yours,

J. F. Jones
County Agent

JFJ:cb

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

Spartanburg, S. C.
Feb. 25, 1947

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

EXTENSION SERVICE

WHAT? A Tractor and Equipment Demonstration

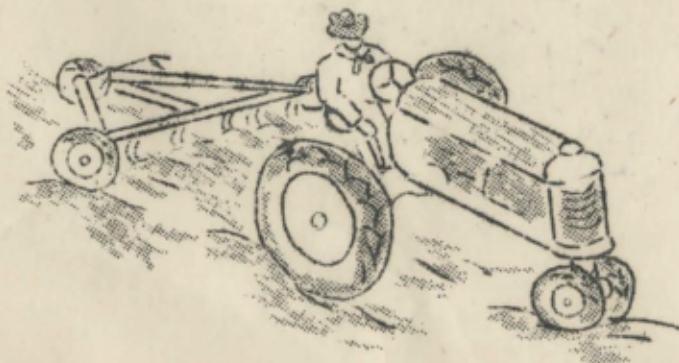
WHEN? Wednesday, March 5, at 2:30 P. M.

WHERE? Spartanburg County Farmers' Market, immediately
behind the cold storage locker plant on the Ashe-
ville Highway.

WHO IS INVITED? Any tractor owner or tractor operator in Spartan-
burg County who would like to see some demonstrations
showing how to:

1. Save money in operating his tractor.
2. Make the tractor last longer and do better work.
3. Make power farming easier.

Mr. R. L. Willis, special farm labor assistant with the Clemson
Extension Service, will be in charge of the demonstrations, assisted
by farm machinery dealers who will furnish tractors and other equip-
ment. Lubrication engineers from some of the petroleum companies
will be present to assist with lubrication demonstrations.



Very truly yours,

J. F. Jones

J. F. Jones

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

Don't miss it!

Spartanburg, S. C.
March 7, 1947

Dear Community Leader:

The Clemson Extension Service is sponsoring a Farm and Home Labor Saving Show, to be held at the Armory in Spartanburg on March 31st, between the hours of 10:00 A.M. and 4:00 P.M. This unique show consists of three parts, and is being arranged locally by the county and home demonstration agents, local people and commercial dealers.

The first part consists of 82 large explanatory panels with models of labor-saving gadgets assembled by Clemson College specialists and brought by them to this show. A number of these specialists will be present to explain and demonstrate the labor-saving ideas and equipment brought from the College.

The second part of the show will present the farm and home labor-saving ideas and gadgets worked out by people here in the county. Those who have homemade labor-saving equipment are urged to arrange to show them on March 31st. This should prove to be one of the most interesting and helpful features of the show. There is plenty of ingenuity being shown by Spartanburg county folks, and I am anxious to have these inventions on display for the benefit of others, since one of the purposes of the show is to swap ideas and demonstrate devices and short cuts to get a more efficient return for labor expended.

The third part of the show will be in the hands of local commercial dealers and they will exhibit new labor-saving machinery or equipment.

I am enclosing an entry blank for your use in case you have some equipment or labor saving device that you would like to exhibit at this show. In case you do not have anything and know of someone else in your community who does, I will appreciate your passing this blank on to that person.

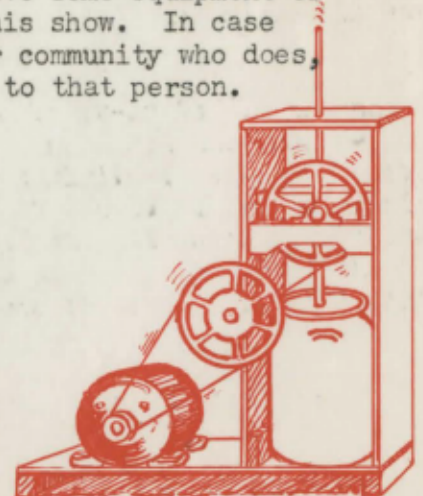
Very truly yours,

J. F. Jones
J. F. Jones
County Agent

FARM and HOME
LABOR SAVING
SHOW



"Use of TRACTOR POWER shifts the heavy jobs from the worker to the machine."



Take the labor out of churning -

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA
Spartanburg, South Carolina

April 7, 1947

Clemson Agricultural College
of South Carolina and
United States Department of
Agriculture Cooperating

Extension Service

To Parents of 4-H Club Members

Dear Friends:

We are very glad to see that your son has enrolled in club work for 1947. We realize that you can help him to make a very active club member.

Some of the things you, as parents, can do to help your son make a better club member are:

1. To help him select a project that he enjoys working with, he will come nearer making a success.
2. Give him financial assistance but do not give him a calf, pig or money.
3. Encourage him to take part in the monthly 4-H Club programs.
4. See that he gets to come to county events, Rally Day, Achievement Day and attend camp this summer.
5. Assist him in keeping accurate records on his projects, and be sure to remind him to turn his record book in this Fall.
6. Encourage him to show his calf, pig, poultry or field crops at the fair this Fall.

Investments we make in our boys are time and money well spent, remember they will take our place in the future.

We are trying to expand and improve club work in Spartanburg County this year, and to do this will require full cooperation from every 4-H Club member's parents.

Yours truly,

H. D. Marett

H. D. Marett
Assistant 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

Spartanburg, S. C.
April 16, 1947

To Spartanburg County Peach Growers:

Gentlemen:

As you all know the Curculio is here and in large numbers and I am taking this opportunity to urge you to make every effort to reduce the number of the insects at this time. Even though the number that is emerging from hibernation may seem alarming, the fact that they are coming out in large numbers gives us the opportunity to destroy more of them. However it will be necessary for all growers to carry out all control measures, both supplemental such as jarring and the picking up of drops and the thorough application of liquid spray.

Due to the rainy weather it is possible that some of you were late in applying the petal fall spray or perhaps some of you have not applied any Arsenate spray at this time. If this is true I am suggesting that you put on the first Arsenate spray immediately and then follow with the second Arsenate spray when about three-fourths of the shucks are off or two weeks after the first Arsenate spray.

Some of you perhaps are planning to use some Benzene Hexachloride and if this is the case, it will be possible to put on an extra spray between the regular Arsenate sprays using this material, as this material does not burn. In using this material follow the manufacturer's instructions and the only other material to be added is wettable sulphur at the rate of 6 lbs per 100 gallons of water. Growers are also advised not to use this material later than 5 to 6 weeks before harvest or it may effect the flavor of the fruit.

The peach industry in Spartanburg County has reached the stage where we must follow a rigid disease and insect control program or we will face the same trouble that other sections have had.

Very truly yours,

J. F. Jones
J. F. Jones
County Agent