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ANNUAL REPORT

COUNTY AGENT WORK

Vo RK County SOUTH CAROLINA 1947

B. T. MilleR

Negro Agricultural Agent

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

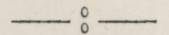
D. W. Watkins, Director

Clemson, South Carolina

ANNUAL REPORT OF AGRICULTURAL AGENT WORK YORK COUNTY, SOUTH CAROLINA

1947

B. T. Miller, Agricultural Agent



Cooperative Extension Work in Agriculture
Clemson Agricultural College and the
United States Department of
Agricultural Cooperating
Extension Service

D. W. Watkins, Director Clemson, South Carolina

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SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

GENERAL ACTIVITIES

2.	Days agent spent in office	83 217 300
3.	Miles agent traveled	
5.	Farm visits made	851
6.	Different farms visited	375
7.	Office calls at agent's office Telephone calls	347
8.	Meetings held or attended	60
10.	Attendance at these meetings	2,889
11.	Number communities in which extension work was	9
7.0	Conducted	9
12.	Number voluntary leaders assisting with extension program	25

PROJECT ACTIVITIES AND RESULTS

Agricultural Economics

Six community outlook meetings were held with 380 farm people attending. Agent assisted five farmers in securing loans from The Farm Home Administration to operate their farms. Two farmers were recommended to the Federal Land Bank Association to purchase farms. Assisted farmers relative to leases. Seven farmers were assisted in developing supplemental sources of income through poultry and other livestock. Advised farmers in county to keep farm records.

Agricultural Engineering

A practical program was conducted emphasizing the care and repair of farm machinery. Two tractor schools were held in the county. Instructions were given to owners and operators on the maintenance and repair of their tractors. Two combine schools were held in the county, owners were given instructions on care and operation of combines. Assistance was given at all times on repair of all farm machinery. Ten farmers were encouraged to have homes wired and obtained electricity. A program was conducted emphasizing terracing and land-use agreement with the Soil Conservation Service in the Liberty Hill Neighborhood. Assisted one farmer in building brooder house and installing electrical brooder.

Agro nomy

The agronomy demonstrations were planned and conducted for the purpose of increasing a better variety of seeds of all kind in the county. Three farmers conducted five-acre cotton demonstrations, producing an average of 456 pounds of lint per acre. Thirty-one farmers were assisted in obtaining improved varieties of seed. Three hybrid corn production demonstrations were completed, yielding 45 bushels per acre. Three oat production demonstrations were conducted yielding an average of 38 bushels per acre. Two wheat production demonstrations conducted yielding an average of 21 bushels per acre. Two lespedeza for seed demonstrations completed.

Animal Husbandry

The work in animal husbandry this year was information to farmers on care, sanitation, and feed for livestock. Encouraged farmers at all times the importance of the family milk cow. Assisted farmers in marketing 15 hogs for a total of \$1,031.25. Placed six high grade gilts with farmers for breeding stock. Placed six high grade calves with 4-H Club boys. Fifteen families were assisted with cutting and curing meat, also with cutting and canning pork and beef at the high schools in York and Rock Hill.

Dairying

Emphasis was placed on dairying in the county. Twelve 4-H dairy calf club memebers completed records this year. Assisted farmers on milk routes with care, sanitation of milk, and summer and winter grazing crops. Farmers were advised to improve their cattle by breeding to purebred bulls in their communities of use of the artificial insemination.

Entomology and Plant Pathology

The work in entomology and plant pathology consisted of method demonstrations in the prevention and control of crop insects, crop diseases, plant and animal parasites. Conducted fifteen demonstrations of dust treatment of cotton seed. In all seed and fertilizer meetings farmers were advised to treat or have treated all seed before planting. Conducted three demonstrations in treating sweet potatoes with Borax. Farmers were given information on controlling fruit and vegetable insects. A very extensive campaign was put on in the county to control the boll weevil.

Four-H Club Work

Fourteen community clubs organized with 171 boys and 248 girls enrolled. 109 boys completed demonstrations producing farm products with a value of \$7,728.50 and realizing a profit of \$4,972,65. One district camp held with 10 boys attending. One conservation camp held with 6 boys attending. Four county-wide leaders' meetings held. Two county council meetings.

Horticulture

Thirty-five days were spent in horticulture work, holding meetings and making farm visits to give farmers information on time of planting and insect control. Two pruning demonstrations conducted and information on spraying of orchards. Two sweet potato production demonstrations completed.

Marketing

Farmers assisted in marketing sweet potatoes, turkeys, chickens, livestock and other surplus farm products.

Poultry

The work in poultry consisted of placing with farmers and 4-H club members better strain of poultry. Two turkey demonstrations were completed. One with an adult and one with a 4-H club boy.

Publicity

Total of 394 personal letters written, 150 bulletins distributed. One county fair, one community fair, and one Farm and Home Labor Show.

- I. County, Community and Neighborhood Organization of Volunteer Farm and Home Leaders.
 - 1. York County Agriculture Committee:
 - A. Members of the York County Agricultural Committee were selected by the agent from their respective communities of the county. It was due to their interest and leadership in agriculture, home life, and community problems that they were selected.

 Agent has worked constantly with the committee on all matters, and thus was able to keep in touch with the different sections of the county and learn more quickly and thoroughly the needs and attitude of the people and readily adapt the program of work to fit their needs.
 - B. Names and Addresses of York County Agriculture Committee

Lewis Wright Fred Sadler V. J. Ross Walter Currence C. E. Ervin Andy Mobley John Crawford Robert Byers Will Jamison Arthur Watson Joe Duncan Frank Walker W. B. Baskin, Sr. Thomas Barber Will Davis John Jones F. E. Strait Nathaniel Ervin Zettie Burkins James Feemster Elijah Sanders Eddie Cole Theodore Roddey Paul Isom

Rt. 3, Clover, S. C. Rt. 1, Clover, S. C. Rt. 3, Clover, S. C. Rt. 3, Clover, S. C. Rt. 5, Rock Hill, S. C. Rt. 2, Rock Hill, S. C. Rt. 4, Rock Hill, S. C. Rt. 3, Rock Hill, S. C. Rt. 2, Rock Hill, S. C. Rt. 4, York, S. C. Rt. 1, McConnellsville, S. C. Rt. 2, Sharon, S. C. Rt. 2, Sharon, S. C. Rt. 1, Sharon, S. C. Rt. 1, Catawba, S. C. Rt. 2, Leslie, S. C.

C. Duties and Responsibilities of York County Agriculture Committee.

Duties of the committee are to meet agent two or three times a year, or whenever an emergency arises in the county or in a community. At these meetings the committee assist the agent in planning a program for the county and their respective communities, and see that the program is carried out in their communities as near as possible. The committee has served faithfully as leaders and has done much to further the scope and value of extension work in the county.

D. York County Executive Committee

Lewis Wright Rt. 3, Clover, S. C. Rt. 3, Rock Hill, S. C. W. B. Baskin, Sr. Fred Sadler Rt. 3, Clover, S. C. C. E. Ervin Rt. 5, Rock Hill, S. C. Rt. 1, McConnellsville, S. C. John Jones Rt. 1, McConnellsville, S. C. Zettie Burkins Rt. 2, Sharon, S. C. Elijah Sanders Theodore Roddey Rt. 1, Catawba, S. C. Rt. 4, York, S. C. Will Davis Rt. 5. Rock Hill, S. C. Andy Mobley

Duties of Executive Committee

The executive committee meets with agent four times a year or when an emergency arises. They are to assist agent with farm meetings, field meetings, farm tours, communities' problems, and county fair.

2. Community Agricultural Committees and Neighborhood Leaders

A. Organized communities and neighborhoods with number of leaders.

1

Kings Mountain Community
Organized Neighborhoods
St. James
Clover
Bowling Green

Bethel Community
Organized Neighborhood
New Home

Bullocks Creek Community Organized Neighborhoods Unity Rainey Town	2
Bethesda Community Organized Neighborhoods Crawford New Zion Mt. Zion St. Paul	1 3 3 2
Catawba Community Organized Neighborhoods Nazareth Liberty Hill Mt. Calvary	1 2 1
Ebnezer Community Organized Neighborhood Cross Road	2
York Community Organized Neighborhood Tirzah	1

3. Programs and Campaigns handled through Voluntary Leaders

- 1. Food and Feed Production and Conservation. A special campaign was handled through local leaders on food and feed production and conservation. These leaders assisted agent in giving information and encouraging farm families to produce more food and feed, also controlling insects and diseases. Food production was followed with food conservation. Fifteen meat cutting and curing demonstrations were conducted through local leaders in homes. Leaders assisted agent in advising farm families on days to carry their beef and pork to the highschools in York and Rock Hill to be canned.
- 2. During the peach season farm labor was handled through voluntary leaders. Leaders carried laborers from their communities in trucks and cars. As a result of these leaders cooperating they were placed over groups and were paid higher wages.

- 3. The Voluntary leaders in the Catawba community organized all the land owners in a club and they are cooperating with the Soil Conservation Service. This club meets once a month.
- 4. A very extensive campaign was put on through the voluntary leaders in the county to control the boll weevil.
- 5. The Clean-Up Paint-Up Campaign conducted jointly by farm and home agents in cooperation with the Agricultural Committee and the County Council of farm women met at good response, a survey showed that 27 farm homes were improved in some respect as a result of this campaign.

PROJECT ACTIVITIES AND RESULTS

AGRICULTURAL ECONOMICS

Work in agricultural economics and farm management in 1947 included outlook meetings, cooperation with Farm Agencies, and developing supplementary sources of income.

Outlook meetings: One county Outlook meeting was held at the county court house on February 10, at which time the extension agricultural economist presented the outlook information to farm men and farm women.

Following this meeting the farm and home agents held joint outlook meetings in six communities with a total attendance of 380 farm people.

Cooperation with Farm Credit Agencies: Agent cooperated with the Farm Home Administration by carrying farmers to make loans to start operating their own farm for the first time. Agent cooperated with Mr. Oats, County Supervisor and his committee in furnishing agricultural information and in working with these farmers.

AGRICULTURAL ENGINEERING

Work in agricultural engineering during 1947 included Soil Conservation, farm machinery, farm buildings, rural electrification, and harvesting of cotton.

Soil Conservation: Educational work in Soil Conservation was conducted. Farmers were advised to cooperate with the Soil Conservation Service which will contribute to better farm practices. Community meetings were held to explain to the farmers what assistance they could receive throughthe soil conservation program. The Catawba community developed a land-use plan providing for a balanced cropping program to provide farm income and at the same time conserve and improve the soil. Through this program much progress can be seen in York county in the development of improved pastures, increased production of hay, small grain and other feed crops which are needed in the county.

Farm buildings: Assistance was rendered in connection with the remodeling of two brooder houses for turkeys on the farm of John Moore, Rt.1, Smyrna, S. C. Two rooms were added to the home of Fred Sadler, Rt. 1, Clover, S. C. with timber from his farm. Six houses were screened to control flies and other insects.

Rural electrification: Work in rural electrification in the county was educational, farmers were advised and encouraged to have their homes wired, the importance of electrifical equipment was stressed, as a result of this information 12 homes were wired and electricity was obtained.

Farm machinery: Farmers were assisted in the care and repair of farm machinery and equipment during the year. Two tractor schools were held in York County during the year by Clemson College Extension Service and County Extension Service.

Two combine schools were held in the county. The four schools were worthwhile and well attended by farmers. Six 4-H club boys and two farmers attended the conservation camp and Farm and Home Week held at State College, Orangeburg, S. C. August 4-7, and received training in care and repair of tractors and farm equipment.

Harvesting, handling, and ginning of cotton: Agent met with County Committee and discussed proper methods of harvesting and handling of cotton to improve the grade so as to receive the best price. Farmers are taking more care in getting their cotton harvested clean and dry.

AGRON OMY

Agronomy work in 1947 consisted of demonstrations and educational work in connection with cotton, corn, wheat, oats, hay and forage crops, soil building crops, and summer and winter grazing crops.

Cotton

Five-acre cotton improvement demonstrations: Three York County farmers completed five-acre cotton improvement demonstrations in 1947. A summary of these demonstrations follows:

Summary Results Five-Acre Cotton Improvement Demonstrations

Name	Lbs. Seed Cotton	Lbs. Lint	Value Crop	Cost Prod.	Net Profit	Variety
Frank Walker	6,670	2,310	\$785.40	\$290.00	\$485.35	C 100
Andy Mobley	6,560	2,280	798.00	280.00	518.00	C 100
James Feemste	er6,480	2,260	768.40	275.00	493.40	C 100

The five-acre improvement demonstrations were conducted for the purpose of increasing staple value and yield of cotton. As a result of these demonstrations, purebred seed, close spacing, insect control and all improved practices were used by the demonstrators.

Improved seed: The campaign for cotton improvement was continued this year. As a result of the above demonstrations more improved seed are being planted each year in the county. Each year farmers are advised to purchase their seed from those demonstrators, which will be the second year from the breeder.

Fertilizer meetings: Six meeting on fetilizers were held, at these meetings agent showed charts and spoke on fertilizers and their relation to soil and crop production. Due to the shortage of nitrogen farmers were advised to use a high analaysis of fertilizer and more of it.

Corn Production

During the 1947 campaign to increase the yield of corn per acre in York County continued. Four meetings were held at which results of experiments and demonstrations in corn production were discussed.

Corn production demonstrations: Three farmers completed corn production demonstrations, showing the value of soil building, good seed, proper spacing, and proper cultivation. A summary of these records follows:

Summary	Corn	Production	Demonstrations
---------	------	------------	----------------

Name	Acres	Yield Bu.	Bushels Per A.	Prod. Cost	Value Crop	Profit
Ernest Cherry	3	144	48	\$ 69.50	\$288.00	\$218.50
Theodore Roddey	3	126	42	65.75	252.00	186.25
Willie Myers	3	135	45	60.00	270.00	210.00
TOTALS	9	405		\$195.25	\$810.00	\$614.75

Average prod. bu. per A. 45 1947 crop valued at \$2.00 per bu.

As a result of these demonstration two farmers planted Hybrid corn for the first time, the yield was good and more famers have agreed to plant some Hybrid corn in 1948.

Yellow corn: All farmers were encouraged to grow some yeallow corn for livestock and poultry. Farmers growing livestock and feeding laying hens were shown the greater feed value of yellow corn over white corn.

Legumes for Hay

Lespedeza and cowpeas: Hay for livestock was stressed by agent. Reasons for inferior hay being insufficient seeding rate, late cutting, or improper curing. Three meetings were held, agent discussed proper methods of cutting and curing hay. As a result of these meetings farmers are coming more and more to realize the importance of cutting and curing hay before it is too ripe and cure too long.

Wheat Production: Two demonstrations in wheat production were completed in 1947. A summary of these demonstrations follows:

Summary of Wheat Demonstrations

ne Profit	Value	A. Cost	Bu. Per	Yield Bu.	Acres	ame Variety
\$154.00 2.00 102.50			24 18	72 54		red Williams Red Heart ettie Burkins Red Hear
256.50	\$378.00	\$121.50		126	6	OTALS
8	\$37	\$121.50		126	6	OTALS

As a result of extension work on food and feed production for home use, much interest is being shown by the farmers of York County in the production of wheat for home use, the average is being increased in the county.

Oats Production: Three demonstrations in the production of oats were completed. A summary of these follows:

Summary of Oats Demonstrations

Name	Variety	A	Yield Bu.	Yield Bu. Per Acre	Value	Cost	Profit
Andy Mobley Walter Currence Robert Byers	Fulgrain Fulgrain Victory	5 3 3	200 114 108	40 38 36	\$250.00 142.50 135.00		\$177.00 107.50 102.00
TOTALS		II	422		\$527.50	\$138.00	\$386.50
Average per acre				38			

As a result of improved methods these demonstrations show an average yield of 38 bushels per acre. Assisted ten farmers in obtaining 150 bushels of improved seed oats for fall seeding.

Permanent pastures: The campaign for the establishment and improvement of permanent pastures in York County was continued during 1947. As a result of this work farmers, particularly those on milk routes, are becoming more and more interested in pasture improvement. During the year five farmers in the Catawba community were assisted with pasture work, mowing of weeds, and sowing of summer and winter grazing crops. One farmer has sowed some fiscue for the first time.

ANIMAL HUSBANDRY

Animal husbandry extension work in York County in 1947 consisted of educational work with swine and dairy cattle.

Swine: During farm meetings and farm visits stress was always put on the importance of each family producing enough meat for home use. Six high grade gilts were placed with farmers during 1947 for breeding purposes. In order to improve their swine they were advised to breed their gilts to purebred sires in the county. Considerable interest has been manifested in swine management including forage and sanitation.

Meat cutting and curing: Fifteen meat cutting and curing demonstrations were held during the year. At these meetings, the proper methods of cutting and curing of pork were demonstrated. Farmers were advised to rent lockers in the Freezer Plants in York and Rock Hill to store their meat for curing in case the weather turned warm. Farmers are coming more and more to realize the advantage of this method of saving and properly curing meat.

Miscellaneous: Two demonstration in castrating were conducted. Information on the prevention of screw worm with pine tar was given. No cases of screw worms were reported to agent during the year.

DAIRYING

Extension work in dairying for 1947 included educational work in placing six high-grade claves with 4-H club members, growing and curing quality hay, annual grazing crops, permanent pastures, use of dairy equipment, and milk production for family use and marketing.

The Family Cow: The family cow was an important subject at every farm meeting. Farmers were urged to grow more feed stuff and increase their dairy cattle. Farmers along the milk routes are helping to supply the demand for milk at Borden's Milk Plant, by growing more feed and increasing their herds. By cooperating with this plant they have added another source of income.

Farmers have been informed about the artificial insemination service in the county.

ENTOMOLOGY AND PLANT PATHOLOGY

Extension work in entomology and plant pathology for 1947 consisted of educational demonstration work with crop diseases and insects.

Crop Diseases

Dust treatment of cotton seed: Agent has continued to show farmers the benefit of seed treatment by conducting fifteen method demonstrations in the treatment of cotton seed with Ceresan to control seed-borne diseases. Three meetings were held and crop diseases and insect control was discussed. During the year an extensive campaign was conducted which resulted in at leat 75 per cent of the farmers treated of had their seed treated.

Small grain disease control: Four method demonstrations were conducted in treatment of wheat and oats. Checks were made on the results of production on treated and untreated fields. As a result of these observations, a majority of the farmers are treating their small grain before planting.

Sweet potato disease control: Three demonstrations were conducted in treating seed potatoes with Borax. Information was given farmers on treating, bedding and transplanting.

Insects

Boll weevil control: A campaign on the use of early 1-1-1 poison for the bollweevil was conducted. In order to keep the farmers informed as to the boll weevil situation, weekly checks were made on poisoned and unpoisoned fields in different section of the county. The information gained from these counts, along with suggestions for control, was given to farmers through meetings and farm visits. As a result of this campaign more farmers used the early 1-1-1 mixture than ever before.

Peach insect control: Farmers with home orchards were advised as to the kind of spray to use and the spray schedule. They were also assisted with the use of paradichlorobenzine for controlling the root borer of peach trees.

Garden insects: A large number of home gardeners were given information as to methods of controlling bean beetles and other garden insects.

Screw worm control: As a result of past educational work by the agent, methods of screw worm control are generally known among farmers in the county. No case of screw worms was reported to agent in 1947.

FOUR-H CLUB WORK

Boys' 4-H club work was conducted in fourteen communities in York County in 1947, with an enrollment of 171 farm boys. Each club having a local leader in charge, and regular monthly meetings were held with each club. One 4-H County Council was organized and met twice during 1947.

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

Summary 4-H Club Enrollment and Completions

Name of Club	No. Members Enrolled	No. Completed Demonstrations	Per Cent Members Completing Dem.
Itamio of otas	201101101	20110112012012	Compact value Dome
McKnight	25	18	72
New Home	15	9	60
Nazareth	13	9	69
Carroll	15	10	67
Tirzah	13	7	54
St. James	12	8	67
Nebo	8	3	37
Unity	8	5	62
St. Paul	7	3	42
Crawford	24	15	63
Mt. Calvary	11	8	72
Liberty Hill	9	6	66
Rainey Town	7	5	71
Cross Road	4	3	75
POTALS	171	109	64

Summary 4-H Club demonstrations: The following is a summary of 4-H club demonstration in 1947:

Summary Completed Demonstrations - 1947

Demonstrations	No. Completed	Value Products	Cost	Profit
Cotton	10	\$1,319.80	\$ 460.00	\$ 859.80
Corn	25	1,216.00	491.00	725.00
Poultry	28	1,857.45	594.85	1,262.60
Swine	18	1,245.75	609.75	636.00
Calf	12	457.00	143.25	313.75
Potato	7	1,072.50	227.00	845.50
Garden	9	560.00	230.00	330.00
TOTALS	109	\$7,728.50	\$2,756.85	\$4,972.65

This summary shows that the 4-H club boys completed 109 demonstrations, produced farm products to the value of 7,728.50 at at cost of \$2,755.85, leaving a profit of \$4,972.65.

FOUR-H Club Camp

Ten 4-H club boys attended the district 4-H camp held at Lincoln Academy, Kings Mountain, N. C., July 7-10, 1947.

Six 4-H club boys attended the 4-H Conservation Camp held at State College, Orangeburg, S. C., August 4-7, 1947. Both camps were well organized and proved an enjoyable and profitable occasion for the boys.

HORTICULTURE

Extension work in horticulture in York County for 1947 included work with home gardens, sweet potatoes and home orchards.

Gardens

Home gardens: Information on home gardens was presented to the farmers of the county through meetings, farm visits, and monthly garden letters issued by the white county agent. Information was given with regards to varieties, planting, insects, and disease control. As a result of this work, more farmers grew larger gardens with more varieties of vegetables.

Sweet Potatoes

Extension work with sweet potatoes included one fire-heated hotbed and sweet potato production. Two meetings were held with the St. James Community Sweet Potato Club, at which time agent presented to the farmers the importance of sweet potatoes as a food and another source of income. At these meetings and farm visits, farmers were advised on treating, bedding, fertilization, transplanting, cultivation, harvesting, grading, and curing potatoes. As a result of the extension work in this community they have two potato curing houses filled to their capacity.

Home Orchards

Home orchard work for the year consisted of pruning demonstrations, information on spraying and other details of orchard work.

Pruning demonstrations: Two pruning demonstrations were conducted. At these demonstrations farmers were taught how to prune different trees.

Spraying: Information was given to farmers and non-farmers on purchasing of spray and other orchard materials, and were given a schedule to follow in spraying home orchards.

POULTRY

Extension work with poultry projects in York County consisted of Grow Healthy Chicks, and turkey demonstrations.

Grow Healthy Chicks: Two demonstrations were conducted by farmers this year. These and several other farmers followed advice of agent and purchased blood-tested chicks from hatcheries following approved methods of hatching baby chicks. The mortality was low due to the fact that sanitary measures were practiced in brooding and feeding.

Summary Grow Healthy Chick Demonstrations

Name	No. Chicks Started	No. Chicks Raised	No. C			De	monstration
Sam Walker Walter Cur	300 crence 200	284 187	71 65	153 72			production production
TOTALS	500	471	136	225	110	Egg	production

Turkey demonstrations: Turkeys are stil on the increase in York County. Two demonstrations were completed, one adult and one 4-H club member.

Poultry School: One poultry school meeting was held. The most important phases of poultry production were discussed. It was attended by 42 farm men and women of the county.

MISCELLANEOUS COUNTY AND COMMUNITY ACTIVITIES

Tractor School: Two tractor schools were held in county during the year with 45 farmers attending. Some valuable information was given to owners and operators on the maintenance and repair of their tractors.

Fairs: During the year agent assisted with the York County Colored Fair and the Clover Community Fair.

A. A. A. Activities: In connection with the A. A. A. program in the county the work was educational. Agent urged farmers to spread lime, improve pastures, and carry out soil building practices.

PUBLICITY

Publicity work and the distribution of educational information in connection with the 1947 extension program of work in York County was done through letters, meetings, distribution of bulletins, and Farm and Home Labor Show.

Summary of Publicity Work

Individual letters		394
Circular letters		1
Bulletins distributed		250
Farm and Home Labor Show		1
Attendance	1200	
Farm tour		1
Attendance	45	

Farm tour: One soil conservation tour was held. A total of 45 farmers attended this tour.