

1948

1948 Allendale County Extension Service Report

Clemson University Cooperative Extension Service

C. B. Searson, Jr.

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PROPERTY OF
EXTENSION SERVICE
OF SOUTH CAROLINA

ANNUAL REPORT

COUNTY AGENT WORK

ALLENDALE

County

SOUTH CAROLINA

1948

C. B. SEARSON, JR.

County Agent

Assistant County Agent

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

ANNUAL REPORT OF COUNTY AGENTS' WORK

Allendale County, South Carolina

1948

C. B. Searson Jr., County Agent

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COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

Clemson Agricultural College and the

United States Department of

Agriculture Cooperating

Extension Service

D. W. Watkins, Director
Clemson, S. C.

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SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTSGeneral Activities

| | | |
|--|-------|------|
| 1. Days Agent Spent in Office | ----- | 77 |
| 2. Days Agent Spent in Field | ----- | 237 |
| 3. Days Agent Worked | ----- | 314 |
| 4. Miles Agent Traveled | ----- | 8537 |
| 5. Farm Visits Made | ----- | 846 |
| 6. Office Calls at Agents Office | ----- | 699 |
| 7. Telephone calls at Agents Office | ----- | 298 |
| 8. Meetings held or attended | ----- | 66 |
| 9. Attendance at these Meetings | ----- | 1520 |
| 10. Number of Communities in which Extension work was conducted | ----- | 24 |
| 11. Number Voluntary Community Leaders assisting with Extension Program | ----- | 80 |

PROJECTS ACTIVITIES AND RESULTS

One County and 7 Community Outlook Meetings were held and attended by 110 farmers. One complete farm account completed. Cooperated with the Farm Credit Agencies in lending 335 farmers \$322,700.00 for production purposes. Conducted one farm planning demonstration with T. V. A.

AGRICULTURAL ENGINEERING

Thirty farmers have harvested legume seed with combines. One hundred farmers cultivated corn with tractors this year.

AGRONOMY

Held one crop and fertilizer meeting attended by 70 farmers. Completed 11 five-acre cotton improvement demonstrations showing an average yield of from 356 lbs. of lint per acre to 1056 lbs. of lint per acre. Worked with the Allendale County One-Variety Cotton Community to secure free samples, also better seed. Conducted 2 crotalaria and 2 lespedeza demonstrations for seed production. Conducted one pasture improvement demonstration and 2 fertilizer demonstrations on pastures. Attended 2 farm tours along with the Soil Conservation Service.

Animal Husbandry

Placed four purebred boars and two purebred beef bulls with the farmers in the County. Advised farmers on marketing livestock through local Auction Markets. Assisted five farmers in storing 1030 tons of silage. Conducted 25 Burdizzio demonstrations and 4 dehorning demonstrations and 10 louse demonstrations.

Entomology and Plant Pathology

Continued campaign for the treating of cotton seed. Thirty-five new power dusters were used in the county. One fence post demonstration carried through the year.

Forestry

2,000 Cork Acorns were secured and nine trees are now growing. Fourteen farmers in the county ordered 350,000 slash seedlings during 1948 through the County Agent.

4-H Clubs

Three community clubs organized with 105 members with 87 completing their projects. 87 of these boys completed 88 projects valued at \$8,556.27 at a cost of \$5,427.75. One club camp held. Three Hereford Steers won second place at the District Contest.

Horticulture

In sweet potato work two fire heated hotbed demonstrations conducted. One harvesting demonstration was given in proper handling and field grading of sweet potatoes.

AAA

Assisted A A A representative with a county plan, also plan for 1949 program.

Publicity

Wrote 294 letters, 39 circular letters with 11,204 copies mailed. Distributed 299 bulletins, wrote 32 news articles.

COUNTY AGRICULTURAL COMMITTEE

The County Agricultural Committee members were selected from community leaders in every section of the county and represent each type of farming and farm organization in the county. All members in the past few years made studies of their community conditions and needs and are therefore very helpful in formulating our Extension Agents.

The following is a list of the members of the Agricultural Committee with the communities represented.

| | | |
|-----------------------|--------------|---------------|
| C. F. Blakeney | Shady Grove | Fairfax R 1 |
| W. M. Terry | Martins | Martins |
| D. S. Cone | Harmony | Fairfax R 1 |
| Mrs. D. M. Warren | Gillette | Martins |
| Mrs. G. V. Brunson | Allendale | Allendale |
| Mrs. W. Z. Bryan | Buddenville | Allendale R 1 |
| Mrs. J. D. Livingston | Union | Fairfax R 1 |
| Joe L. Folk | Union | Fairfax R 1 |
| R. L. Lightsey | Union | Fairfax R 1 |
| J. A. Furse | Martins | Martins |
| Jones Thomas | Harmony | Fairfax |
| E. M. Dickinson | Cave | Allendale |
| Mrs. Bill Stevenson | Appleton | Appleton |
| Mr. Edward Towne | Pleasant Mt. | Martins |
| Mrs. Horace Cone | Sycamore | Sycamore |

The County Agricultural Committee with the Community Agricultural Committee has been organized as a committee to cover all agricultural programs in the county. Representatives came from all communities in the county and represent every type of farming in the county and also includes the leader of specialized groups such as Soil Conservation and Rural Electrification. Their chief duty is to aid the county and home agents in planning their years work.

Sub-Committees: Representatives of the Agricultural Committee were placed on two sub-committees as follows:

Building:

R. L. Lightsey
John N. Leadholdt
Mrs. T. O. Lawton

**County Cooperative
Executive**

W. F. Barnes - Chairman
H. O. Tyler
D. B. Gohagan
Joe L. Folk - Treasurer
C. B. Searson Jr., Sec.

State Agricultural
Committees:

Mrs. Horace Cone
Joe L. Folk
E. M. Dickinson

Cooperative Marketings:

Miss Hicks
Mrs. G. V. Brunson
W. I. Smith
Joe L. Folk

Veterans:

H. O. Tyler - Chairman
T. J. Keller
J. H. Hewlett
C. F. Blakeney

Nutrition:

Mrs. W. Z. Bryan
Mrs. Mike Jenkins

4-H Council;

Mrs. F. M. Craddock
J. B. O'Neal
Miss Hicks
C. B. Searson Jr.,
W. F. Barnes
W. M. Terry Jr.,
J. D. Livingston
Mrs. E. A. Stevenson
S. C. O'Neal

COMMUNITY AGRICULTURAL COMMITTEES

These community groups are small and correspond more to neighborhoods. Due to lack of convenient meeting places we work with the smaller groups as communities and do not have any well defined neighborhoods.

The following is a list of the communities organized and the number of active community committeemen assisting with our program:

COMMUNITYACTIVE COMMITTEEMEN

| | |
|---------------|----|
| Allendale | 4 |
| Appleton | 5 |
| Baldock | 4 |
| Barton | 5 |
| Buddenville | 5 |
| Bull Pond | 11 |
| Cave | 5 |
| Fairfax | 6 |
| Gillette | 5 |
| Harmony | 5 |
| Martins | 4 |
| Milletteville | 4 |
| Pleasant Mt. | 3 |
| Seigling | 2 |
| Shady Grove | 4 |
| Solomons | 2 |
| Sycamore | 7 |
| Ulmers | 5 |
| Union | 5 |
| Wilson | 3 |

COLORED COMMITTEES

| | |
|----------|---|
| Gum Pond | 2 |
| New Hope | 5 |
| Salem | 2 |
| Winthrop | 4 |

A A A ORDERS

29 farmers have placed orders and received 653 tons of lime. 44 farmers also have received 548 tons of superphosphate. To date 24 farmers have received purchase orders and secured 39,000 lbs. of blue lupine. Blue Lupine was grown generally throughout this county during 1947. Many farmers therefore have their own seed and others have been purchased locally. These the P.M. A. has no orders for. we expect the acreage to be in line with that of last year when 100# tons of seed were used..

LIMESTONE

Orders have been received from 29 farmers for 653 tons of lime. Again during 1948 all of the lime orders have been delivered.

SMALL GRAINS

Farmers are seeding an unusually large acreage to small grains this year. Once again wheat is being planted; this time on a larger scale than before. Most farmers no longer plant small areas of wheat for home use. They say they can purchase flour cheaper than they can produce, harvest, and have milled, their home grown wheat. However, the price of wheat in comparison to oats is so much more that farmers are now growing wheat for the market. Wheat yields are excellent, usually giving a per acre net return greater than oats. The scarcity of nitrogen for top dressing for the past few years has been serious. Complete fertilizers are used at planting time, but we find nitrogen as top dressing is essential.

WARTIME AGENCIES ASSISTED BY AGENT

U. S. D. A COUNCIL: This Council is composed of members of all agricultural Agencies in the county. The Home and Farm Agents are both members. No meetings have been held recently.

RED CROSS: The Farm Agent is Chairman of the Red Cross Disaster Chapter. The Home Agent serves as Rural Chairman for each of these sales.

U S E S: Have a representative in the county two days a week only. He aids anyone in securing a release from one job and helps them in securing another.

VETERANS ADMINISTRATION: This Office is under the supervision of J. H. Hewlett. H. O. Tyler is in charge of the Veterans Farm Program. G. V. Brunson, E. M. Dickinson, W. M. Terry Jr., and Don Sharpe are assistants to Mr. Tyler. Fairfax has an Agriculture teacher this year who has as his assistant Googe O'Neal. The farm and home agents assist in outlining plans for veterans who are farming. We also aid in the completion of these plans.

SCHOOLS: The 4-H clubs of Allendale County are held in the schools during school hours. School superintendents, principals, and teachers help with the club period and contest work. When 4-H boys and girls are to be away from school for a day or two, they are counted present at school.

COUNTY HEALTH DEPARTMENT: The County Health Department gives the examinations for the 4-H Health and Health Improvement Contest work. The home demonstration clubs sponsor typhoid clinics for white and colored in their communities each summer. The County Health Nurse and Doctor give the shots. Any other community and county work they can be of service and help they are ready to cooperate and give service where called for. Weekly clinics are held each Monday morning for rural people, at the Health Center.

EMERGENCY WARTIME ACTIVITIES

The threat of inflation is one of the most serious problems facing the farmer today. This was discussed at all of our committee meetings. It seems that inflation in spite of everything said, still goes on. A serious scarcity of farm machinery, labor and good farm land on the market promotes inflation especially following a good crop year. Inflation, especially regarding the price of farm lands, is here. Many farmers who have been prosperous during the war years have purchased lands at very high prices, They however, generally paid cash, which should in part help if and when the break comes.

Forest fires cause serious damage in the county each year and true to form, are again appearing. We have a county Fire Protection Association, which is under the guidance of J.L. Moody. He has fire-fighting equipment furnished by the State Forest Service and has organized crews to help fire control. To date only a few fires have been reported, so perhaps this organization has helped control the setting of fires. Mr. Moody says he is going to enforce all laws pertaining to the setting of fires. Two new fire towers have to date been built in the county. With a full time tower many forest fires should be better controlled.

COUNTY EXTENSION ORGANIZATION

Present Extension Staff

The following listed agents have served throughout the year as members of the Extension Service Staff in Allendale County.

White Agents

| | |
|--------------------|---------------------------------|
| C. B. Searson Jr., | County Agent |
| Mamie Sue Hicks | County Home Demonstration Agent |

The County Agents cooperated closely with the Agricultural Adjustment Administration and the Soil Conservation Service Programs in Allendale County in 1948. The following is a list of the personnel who administer these programs:

| | |
|-----------------|---------------------------------|
| Henry B. Barker | County Administrative Assistant |
| G. A. Brodie | Agricultural Technician SCS |

Negro Agent

Negro Agent: Annie Mae Butler has served during the year as negro Home Demonstration Agent.

The County Agents cooperate closely with the negro agent in the program of work with the negro farm people by assisting in securing specialists' help demonstrations and program planning.

Other Agencies

County Program Planning Committee: The Allendale County Program Planning Committee for 1948 is listed under "Organization and County Agricultural Committee.

The Committee acts in an advisory capacity to the county agents in planning and carrying out the Extension Program of Work in Allendale County.

In addition to the program planning committee the following listed organizations have assisted in carrying out the 1948 program of work.

U. S.D. A. Council
Fairfax Lions Club
Allendale County Health Department
Allendale County Soil Conservation Association
County Council of Farm Women
County Home Demonstration Clubs
4-H Club Leaders
Edisto Rural Electric Cooperative
Twin-States Livestock Association
Herndons Stock Market
Saltkehatchie Electric Cooperative
Farm Bureau
Production Credit Association
Civic League
Rural Churches
Masons
Production & Marketing Administration
Farm & Home Administration
County Veterans Administration
Vocational Agriculture
Edisto-Savannah Show Committee

PROJECT ACTIVITIES AND RESULTSAgricultural Economics

Work in Agricultural Economics and Farm Management in 1948 included Outlook Meetings, complete farm accounts, cooperation with Farm Credit Agencies and TVA farm planning demonstrations.

Outlook Meetings: One County Outlook meeting was held January 13, when Extension Workers presented Outlook information to forty farmers of the county. Similar information was also given to seventy white farmers at seven meetings.

Complete Farm Records: One Allendale County farmer kept complete farm and home record during 1948. This record will be submitted to the Farm Management Division for analysis.

List of Complete Farm and Home Record Demonstration- 1948

| | | Size of farm | Predominant type |
|-----------------|----------------|--------------|-------------------|
| <u>Name</u> | <u>Address</u> | <u>Acres</u> | <u>of farming</u> |
| James B. Brandt | Ulmers | 537 | Cotton-Livestock |

Cooperation with Farm Credit Agencies: The County Agent cooperated throughout the year with the Barnwell Production Credit Association and the Farm Security Administration in their work with farmers in Allendale County.

Advice was given farmers during the year in regard to credit and assistance in securing livestock for which loans were made. The following is a summary of loans made by these agencies in 1948.

Summary of Loans Made by Production Credit Agencies

| <u>Agronomy</u> | <u>No. Farmers</u> | <u>Amount</u> |
|--|--------------------|---------------------|
| Barnwell Production Credit Association | 100 | \$278,000.00 |
| Farm Security Administration | 235 | 44,700.00 |
| TOTALS | 335 | \$322,700.00 |

The Farm Security Administration is under the supervision of John N. Loadholdt. The rehabilitation branch has one client and the Tenant Purchase Branch has 230 clients.

TVA Farm Unit-Test Demonstrations

In cooperation with the Extension Service and the Tennessee Valley Authority, the County Agent established 10 Unit-Test Demonstrations farms in Allendale County in the Spring of 1939. These farms were established to demonstrate the value of the program of land use adjustment in the interest of soil and water conservation. Crop and livestock plans were developed for each farm for a period of five years. Each farmer was to have kept a complete farm account record of his business transactions. However, due to failure to keep this record and for other reasons, nine men have dropped from this work. It is hoped it will be possible to replace these men in the near future.

PROGRESS REPORT OF THE UNIT-TEST DEMONSTRATION FARM OF
JAMES B. BRANDT, ALLENDALE COUNTY

| Field Nos. | Total Acres | Rotation Underway | | | | |
|---------------|----------------|------------------------|----------------------|-----------------------|-----------------------|-----------------------|
| | | 1st Year | 2nd Year | 3rd Year | 4th Year | 5th Year |
| 1 | 8.7 | Grain, Corn & Beans | Grain & S. Beans | Grain, Corn Beans | Grain & S. Beans | Grain, Corn Beans |
| 1 A | 1.7 | Annual G. Kudzu | Annual G. Kudzu | Annual G. Kudzu | Annual G. Kudzu | Annual G. Kudzu |
| 2 | 10.0 | Kudzu | Kudzu | Kudzu | Kudzu | Kudzu |
| 3 | 6.5 | Grain S. Beans | Corn V. Beans | Grain & S. Beans | Corn & V. Beans | Grain & S. Beans |
| 4 | 1.1 | H'Site | H'Site | H'Site | H'Site | H'Site |
| 5 | 1.7 | Truck | Grain & S. Beans | Truck | Grain & S. Legumes | Truck |
| 6 | 1.7 | Truck | Grain & Corn | Truck | Grain & S. Legumes | Truck |
| 7 | 6.8 | Cotton | Melons | Corn & S. Legumes | Cotton | Grain & S. Legumes |
| 8 | 7.1 | Sericea | Sericea | Sericea | Sericea | Sericea |
| 8 A | 6.1 | Grain & Sericea | Sericea | Sericea | Sericea | Sericea |
| 9 | 3.9 | Cotton | Melons | Cotton | Cotton | Corn & S. Legumes |
| 10 | 25.9 | P. Pasture | P. Pasture | P. Pasture | P. Pasture | P. Pasture |
| 11 | .2 | H'Site | H'Site | H'Site | H'Site | H'Site |
| 12 | 13.5 | Melons | Corn & S. Legumes | Grain & S. Legumes | Cotton | Grain & S. Legumes |
| 13 | 2.5 | Truck | Truck | Truck | Truck | Truck |
| 14 | .7 | Truck | Truck | Truck | Truck | Truck |
| 15 | .2 | Truck | Truck | Truck | Truck | Truck |
| 16 | 6.0 | Corn & S. Leg. | Cotton | Melons | Cotton | Corn & S. Leg. |
| 17 | 22.0 | Melons | Cotton | Cotton | Cotton | Corn & S. Leg. |
| 18 | 11.0 | P. Pasture | P. Pasture | P. Pasture | P. Pasture | P. Pasture |
| 19 | 7.4 | Corn & S. Leg. | Cotton | Corn & S. Leg. | Grain & S. Leg. | Corn |
| 20 | 7.0 | Corn & S. Leg. | Grain & S. Leg. | Melons | Melons | Corn & S. Leg. |
| 21 | 11.7 | Melons | Corn & S. Leg. | Cotton | Grain & S. Leg. | Corn & S. Leg. |
| 22 | 3.2 | Corn & S. Leg. | Grain & S. Leg. | Cotton | Melons | Corn & S. Leg. |
| 23 | 15.0 | Cotton | Corn & S. Leg. | Grain & S. Leg. | | |

PROGRESS REPORT OF THE UNIT-TEST DEMONSTRATION FARM OF
JAMES B. BRANDT, ALLENDALE COUNTY

| Field | | Total | | | | |
|-------|-------|----------------------|----------------------|----------|-------------------|----------------------|
| Nos. | Acres | 1st Year | 2nd Year | 3rd Year | 4th Year | 5th Year |
| 24 | 1.4 | Kudzu | Kudzu | Kudzu | Kudzu | Kudzu |
| 25 | 15.2 | Sericea | Sericea | Sericea | Sericea | Sericea |
| 26 | 5.5 | Kudzu | Kudzu | Kudzu | Kudzu | Kudzu |
| 27 | 7.5 | Kudzu | Kudzu | Kudzu | Kudzu | Kudzu |
| 28 | 4.4 | Corn & P. Pasture | Corn & P. Pasture | S. Leg. | S. Leg. | Corn & P. Pasture |
| 29 | 22.7 | Grain & S. Leg. | Grain & S. Leg. | Melons | Corn & S. Leg. | Corn & S. Leg. |

Since Mr. Brandts entry into the program he has used a total of 28,000 pounds of triple Superphosphate. This material was used as follows:

| | |
|-------------------------------|----------------------|
| 23.9 Acres Permanent Pasture | 5 Yrs. Supply |
| 8.6 Acres Summer Legumes | 1 Yrs. Supply |
| 10.0 Acres Permanent Pastures | 150 # per acre- 1945 |
| 5.0 Sericea | 100 # per acre- 1945 |
| 10.0 Acres Kudzu | 75 # per acre- 1945 |
| 10.0 Oats for grazing | 165 # per acre- 1945 |
| 12.5 Acres Grazing | 400 # per acre- 1947 |
| 12.5 Acres Permanent Pastures | 400 # per acre- 1948 |

Mr. Brandt also applied 128.72 tons limestone and 25 tons of Basic Slag on these same fields. The slag being used during 1945.

Prior to entry into the program of test-demonstration in 1939, Mr. Brandt grew a total of 67 acres of cotton, 57 acres of corn, 15 acres of truck (cucumber and watermelons) two acres of oats, five acres of legumes, and had 24.6 acres of idle land. (In 1948 he grew 50 acres of cotton, 55 acres of corn, 60 acres of peanuts, 65 acres of watermelons, 120 acres of oats, 50 acres of wheat, 50 acres of rye, 20 acres of row peas, 15 acres of kobe lespedeza, 25 acres of sericea lespedeza, 75 acres of crotonaria, 45 acres of grazing, 40 acres of permanent pasture, and 4 acres of kudzu.)

Improvements: Since entering the program 10 acres of land have been fenced for hogs and one acre for poultry.

The following buildings and improvements have been constructed: Built syrup shed, poultry house, mule stable, 3 tenant houses out of timber cut from farm and put in a deep well and pump and water system, built a machinery shed, and purchased three tractors, one combine, built storage barn and farm store, and has completed a new modern farm home costing \$10,000. (Also during 1948 Mr. Brandt has gone in the dairy business and now has a new 24 cow dairy barn that is fully equipped, including a silo. He at present is milking 23 cows.)

Acres and production of specified crops grown on the Unit-Test Demonstration farm of James B. Brandt in 1948 follows on next page:

Acres and production of Specified crops grown on the Unit-Test farm of James B. Brandt, 1948.

| <u>Crops Grown</u> | <u>Acres</u> | <u>Total Production</u> | |
|------------------------------|--------------|-------------------------|----------|
| Cotton | 50 | 45 Bales | |
| Watermelons | 65 | 14 Cars | |
| Oats | 120 | 1960 Bu. | |
| Wheat | 50 | 600 Bu. | |
| Corn | 55 | 600 Bu. | |
| Kobe Lespedeza (Combined) | 15 | 3 tons | |
| Sericea Lespedeza (Combined) | 25 | 7500 Lbs. | |
| Peas | 20 | 120 Bu. | |
| Kudzu | 4 | | Grazed |
| Crotalaria | 75 | | Turned |
| Garden | 1.2 | | Home Use |
| Peanuts | 60 | 8 Tons | |
| Permanent Pasture | 40 | | Grazed |
| Rye | 50 | 500 Bu. | |
| Grain Mixture | 45 | | Grazed |

SUMMARY OF FARM BUSINESS

| | Beginning value | Closing Value |
|-------------------|---------------------|---------------------|
| Land | \$ 9,050.00 | \$ 10,000.00 |
| Improvements | 17,447.00 | 19,447.00 |
| Horses and mules | 350.00 | 300.00 |
| Cattle | 7,050.00 | 175.00 |
| Hogs | 198.00 | |
| Poultry | 15.00 | 20.00 |
| Crops, Feed, ect. | 1,110.00 | 5,502.00 |
| Machinery & tools | 7,000.00 | \$ 9,441.00 |
| TOTALS | \$ 42,220.00 | \$ 44,885.00 |

| Farm Receipts | | Farm Expenses | |
|---------------------------|---------------------|---------------------|----------|
| Cotton and Cotton Seed | 2,937.03 | Hired Labor | 5,378.06 |
| Garden and Truck Crops | 6,174.00 | Crops | 4,319.64 |
| Peanuts, Lespedeza, Wheat | 4,815.65 | Livestock & | |
| Hogs | 163.44 | Poultry | 689.52 |
| Misc. | 602.94 | Truck, Tractor | 3,985.47 |
| Cattle | 2,759.88 | Improvements & | |
| | | Equipment | 2,385.98 |
| | | Taxes, Rent | 457.95 |
| | | Misc. | 353.45 |
| | | Food | 514.10 |
| | | Clothing | 220.90 |
| | | Home Furnishings | 211.99 |
| | | Recreation | 16.60 |
| | | Gifts | 26.03 |
| | | Misc Home Expense | 229.07 |
| TOTALS | \$ 17,452.94 | \$ 18,788.76 | |

SUMMARY OF FARM BUSINESS (CONTINUED)

| | |
|-----------------------|-------------|
| Increase in Inventory | \$ 2,665.00 |
| Total Receipts | 17,452.94 |

| | |
|--------|--------------|
| TOTALS | \$ 20,117.94 |
|--------|--------------|

| | |
|---|---------------|
| Total Receipts | \$ 18,788.76 |
| Farm Income | 1,335.82 |
| Interest (4 per cent on average of two inventories) deduct | 1,742.08 |
| Labor Income | <u>406.26</u> |

AGRICULTURAL ENGINEERINGSoil Conservation

Soil Conservation work for the year was in cooperation with the Edisto Soil Conservation District, which includes Allendale County. The Soil Conservation Service is cooperating with the district and a technician is assigned to this county. Soil Conservation meetings and demonstrations are planned and held in cooperation with the Soil Conservation Service Technician working in the county.

DISTRICT FARM PLANS: During the year 1948 district farm plans have been prepared by the Soil Conservation Service Technician working in the county. This brings to a total 348 farm plans in the county. Soil Conservation Service Technicians estimate that 25% of the soil conservation practices planned on these farms have been established.

TERRACING: There are, and have been, no power terracing units operating in the county.

FARMER BUILT TERRACES: This year 300 acres have been terraced on 8 farms by farmers with their own farm equipment. Farmers use regular farm tractors and disc tillers to make terraces. By making several trips they can construct any type terrace desired. So far all farmers report very satisfactory results from this type built terrace. 90 farms have approximately 5,245 acres terraced.

FARM DRAINAGE: No drainage surveys have been made for farmers cooperating with the district by the Soil Conservation Service Technicians stationed here. There are no farm drainage or drainage canals in cooperation between the Soil Conservation Districts and Drainage Districts.

WIDE SPREAD ESTABLISHMENT OF SOIL CONSERVATION PRACTICES: During the winter and spring months the county agents cooperated with the soil conservation technicians in the county on the establishing of soil conservation practices in addition to farms under district agreements. As a result we helped many farmers establish kudzu and kobe lespedeza fields. Farmers planted 25 acres of kudzu, 400 acres of kobe and 125 acres of fescue.

MEETINGS- TOURS- DEMONSTRATIONS: During the year, two community meetings were held to explain to the farmers what assistance they could receive through the soil conservation district program.

Much work has been done by both the Soil Conservation Technician and the County Agent in getting permanent pastures improved and drained . We found that the heavy discing carpet grass pastures tends to break the sod sufficiently for lespedeza growth, and are now recommending discing every two or three years and reseeding with kobe at the rate of 30 lbs. per acre along with 400 to 500 lbs. of complete fertilizer per acre.

SUMMARY OF SOIL CONSERVATION WORK: The tables on the following pages give a summary (1) Educational Activities, (2) Extension Demonstrations in Establishing Soil Conservation Practices, and (3) a summary of all Soil Conservation Practices established in the county during the year.

SOIL CONSERVATION REPORT FORM NO. 1

Educational Activities, Soil Conservation

Allendale County

December 1, 1947__ November 30, 1948

| | | <u>NUMBER</u> | <u>ATTEND</u> |
|-----|--|---------------|---------------|
| 1. | Monthly group conference agricultural workers | <u>4</u> | <u>24</u> |
| 2. | Community educational meetings held within districts | <u>0</u> | <u>0</u> |
| 3. | Method demonstrations (establishing practices) | <u>0</u> | <u>0</u> |
| 4. | Meetings at result demonstrations | <u>1</u> | <u>40</u> |
| 5. | County Agents assist farm planning | <u>0</u> | <u>0</u> |
| 6. | Informational circular letters | <u>5</u> | <u> </u> |
| 7. | Informational News Articles | <u>10</u> | <u> </u> |
| 8. | Soil Conservation exhibits | <u>0</u> | <u>0</u> |
| 9. | County Agents meeting with District Supervisor | <u>2</u> | <u>0</u> |
| 10. | District Soil Conservation pro- gram with 4-H clubs | <u>0</u> | <u>0</u> |
| 11. | Annual meetings of county ass- ociation | <u>4</u> | <u>0</u> |
| 12. | County or Community meetings held on soil conservation district organ- ization | <u>0</u> | <u>0</u> |
| 13. | Informational Radio Broadcast | <u>0</u> | <u>0</u> |

SOIL CONSERVATION REPORT FORM NO. 2Extension Demonstrations Establishing Soil Conservation Practices

December 1, 1947 --- November 30, 1948

| | <u>NUMBER</u> |
|--|---------------|
| 1. Perennial lespedeza (meadow strips and field plantings) | <u>10</u> |
| 2. Kudzu (meadow strips and field plantings) | <u>5</u> |
| 3. Strip cropping | <u>0</u> |
| 4. Permanent pasture | <u>12</u> |
| 5. Summer and winter annual cover crops | <u>10,000</u> |
| 6. Terrace construction | <u>8</u> |
| 7. Terrace maintenance | <u>10</u> |
| 8. Woodlot management demonstrations | <u>0</u> |
| 9. Forestry practices demonstrations | <u>0</u> |
| 10. Forestry plantings | <u>28</u> |

SOIL CONSERVATION REPORT FORM NO. 3

Summary of Soil Conservation Practices Established in

Allendale County During 1947

(Includes farms under district agreement, wide-spread application of soil conservation practices by the district, extension demonstrations and others)

| | |
|-------------------------------|-------------|
| | <u>1948</u> |
| 1. District farm plans | <u>348</u> |
| 2. Approved rotations (acres) | <u>1223</u> |
| 3. Strip rotations | <u>0</u> |
| 4. Kudzu plantings (acres) | <u>25</u> |
| 5. Lespedeza Sericea (acres) | <u>127</u> |
| 6. Pasture improved | <u>132</u> |
| 7. Trees planted | <u>275</u> |
| 8. Woodland improvement | <u>0</u> |

SOIL CONSERVATION REPORT FORM NO. 3

(Continued)

| | | |
|-----|--|-------------|
| 9. | Terracing (acres) | <u>1948</u> |
| 10. | Tons of lime (AAA conservation material and others) | <u>300</u> |
| 11. | Tons basic slag | <u>80</u> |

RURAL ELECTRIFICATION

With the war restriction off two new rural Extension lines have been constructed. One by the R.E. A. and one by the S. C. Power Co.

FARM EQUIPMENT AND STRUCTURES

SILOS: Two new silos were constructed during 1948; one on the farm of A. M. Warren and the other on the farm of James B. Brandt. The following table gives number, kind and capacity of ones in use.

SILOS IN USE DURING 1948

| Name | Material Used | Capacity Tons | Crop Used |
|---------------|------------------|---------------|---------------|
| G. O. Thomas | 2 Concrete Stave | 280 Tons | Pop Corn |
| J. A. Furse | Concrete Stave | 140 Tons | Hegari & Corn |
| Dunbar Oswald | Concrete Stave | 140 Tons | Pop Corn |
| A. M. Warren | 2 Concrete Stave | 280 Tons | Hegari & Corn |
| Charlie Koth | 2 Temporary | 50 Tons | Hegari |
| TOTALS | | 1,030 Tons | |

Several farmers have secured Southern Farm Building Plan Book direct from the government printing office in Washington. We therefore do not have a complete record of plans furnished.

G. V. Brunson
W. B. Williams

Plan for Hog Self Feeder
Plan for Machinery Shed

FARM MACHINERY

Care and Repair of Farm Machinery: With new equipment very short, the care and repair of machinery now on hand becomes more important. Farmers have been assisted in securing repairs and borrowing equipment when necessary.

Combine Harvesting: With labor so critically short, combines are playing a major role in harvesting. Many acres of small grains, kobe and sericea lespedeza, cowpeas and crotalaria, were successfully harvested in the county.

Summary Legume Seed Harvested By Combine

| Name | Legumes Harvested | Acres | Amount | Observations |
|-----------------|-------------------|-------|-------------|--------------|
| B. C. Pendarvis | Lupine | 125 | 68 tons | Excellent |
| E. M. Dickinson | Crotalaria | 100 | 10,000 lbs. | Excellent |
| J. W. Bryan | Sericea | 35 | 14,000 lbs. | Excellent |
| W. F. Barnes | Lupine | 12 | 6,000 lbs. | Excellent |
| J. D. Rouse | Lupine | 20 | 16,000 lbs. | Excellent |
| G. V. Brunson | Lupine | 50 | 50,000 lbs. | Excellent |
| J. A. Barker | Lupine | 25 | 15 tons | Excellent |
| G. V. Brunson | Peas | 30 | 225 bu. | Excellent |
| H. L. Haskell | Lupine | 25 | 30,000 lbs. | Excellent |
| J. M. Thomas | Cowpeas | 50 | 350 bu. | Excellent |
| H. L. Haskell | Soybeans | 260 | 3,900 bu. | Excellent |
| H. L. Haskell | Kobe | 17 | 5,100 lbs. | Excellent |
| W. B. Manuel | Peas | 4 | 34 bu. | Excellent |

Grain Sorghums

Several farmers tried Hegari in rows following small grains for grazing. Excellent results were obtained even though no yield records are available.

Farmers Using Grain Sorghums For Grazing

| Name | Acres | Crop | Est. Yield Per Acre |
|--------------|-------|--------|---------------------|
| J. W. Bryan | 50 | Hegari | 30 Bu. |
| J. M. Thomas | 40 | Hegari | 1600 Bu. |
| E. A. Harter | 15 | Hegari | 4500 Bu. |

COTTON

Five-Acre Cotton Improvement Demonstrations: Eleven farmers entered the five-acre cotton improvement contest this year, and completed their project. A summary of these demonstrations follows:

Summary Results Five-Acre Cotton Improvement Demonstrations

| Name | Lbs. Seed Cotton | Lbs. Lint Crop | Value | Cost | Net | % | Variety |
|-----------------------|------------------|----------------|------------------|-----------------|-----------------|---|---------------------------|
| | | | Prod. | Profit | Lint | | |
| J. D. Rouse | 13,910 | 5,286 | \$1,773.18 | \$486.72 | \$1,286.46-38 | | Cokers 100 Wilt Resistant |
| S. C. O'Neal | 12,185 | 4,630 | 1,588.24 | 586.99 | 1,001.25-38 | | Cokers 100 Wilt Resistant |
| W. F. Barnes Jr., | 11,650 | 4,427 | 1,518.55 | 475.84 | 1,042.71-38 | | Cokers 100 Wilt Resistant |
| J. Owen Brant | 11,490 | 4,366 | 1,497.67 | 515.77 | 981.90-38 | | Cokers 100 Wilt Resistant |
| James B. Brandt | 11,310 | 4,298 | 1,474.31 | 582.20 | 892.11-38 | | Cokers 100 Wilt Resistant |
| J. W. Bryan | 11,110 | 4,222 | 1,448.24 | 511.90 | 936.34-38 | | Cokers 100 Wilt Resistant |
| W. F. Barnes | 10,110 | 3,842 | 1,285.39 | 431.54 | 853.85-38 | | Cokers 100 Wilt Resistant |
| G. V. Brunson | 9,925 | 3,770 | 1,293.29 | 526.20 | 767.09-38 | | Cokers 100 Wilt Resistant |
| J. A. Furse | 6,965 | 2,647 | 907.96 | 401.22 | 506.74-38 | | Cokers 100 Wilt Resistant |
| J. A. Barker | 6,500 | 2,470 | 847.27 | 454.42 | 392.85-38 | | Cokers 100 Wilt Resistant |
| Don Sharpe | 4,685 | 1,780 | 610.61 | 402.08 | 208.53-38 | | Cokers 100 Wilt Resistant |
| TOTALS | 109,840 | 41,738 | 18,244.71 | 5,374.88 | 8,869.83 | | |
| AVERAGE TOTALS | 9,985 | 3,794 | 1,294.97 | 488.62 | 806.35 | | |

RECHECKS FOR COUNTY PRIZES

Rechecked were S. C. O'Neal, J. Owen Brant and J. W. Bryan. Rechecks were so close to originals they will not be shown.

| | | | |
|------------------------------|--------|------------------------------------|----------|
| AVERAGE YIELDS LINT PER ACRE | 759 | AVERAGE COUNTY YIELD | 263 lbs. |
| AVERAGE VALUE PER ACRE | 227.70 | AVERAGE COUNTY LINT VALUE PER ACRE | 78.90 |

Summary Cotton Contest Records 1932-1948: The following is a yearly summary of the results of the Five-Acre Cotton Contest demonstrations in Allendale County for the period 1932-1948.

Summary Results Cotton Contest Demonstration 1932-1948

| Year | No. Dem. | Lbs. Lint Per Acre | Value Per Acre | Cost Per Acre | Profit Per Acre |
|------|-------------|-----------------------|-------------------|------------------|--------------------|
| 1932 | 11 | 299 | \$23.91 | \$15.16 | \$8.75 |
| 1933 | 2 | 520 | 60.24 | 21.24 | 39.00 |
| 1934 | 7 | 351 | 57.88 | 24.28 | 33.60 |
| 1935 | 6 | 429 | 62.19 | 27.62 | 34.59 |
| 1936 | 10 | 505 | 81.98 | 31.88 | 50.10 |
| 1937 | 7 | 405 | 49.08 | 30.20 | 18.18 |
| 1938 | 5 | 774 | 83.94 | 40.58 | 43.36 |
| 1939 | 11 | 519 | 60.00 | 31.02 | 28.98 |
| 1940 | 13 | 623 | 74.90 | 35.95 | 38.95 |
| 1941 | 9 | 545 | 118.16 | 36.69 | 81.47 |
| 1942 | 2 | 667 | 161.33 | 45.30 | 116.03 |
| 1943 | 2 | 747 | 151.00 | 47.24 | 103.43 |
| 1944 | 6 | 765 | 160.65 | 54.18 | 113.17 |
| 1945 | 10 | 650 | 131.86 | 60.11 | 72.55 |
| 1946 | 13 | 674 | 287.40 | 87.03 | 200.38 |
| 1947 | 13 | 637 | 240.91 | 85.66 | 155.25 |
| 1948 | 11 | 759 | 258.99 | 97.72 | 161.27 |

The five-acre cotton improvement demonstrations have been an important factor in improving quality of cotton produced in the county during the past few years and also in increasing the average production per acre. Yields during 1948 are not good due to unfavorable weather. All cotton figured at .30¢; seed at \$65.00

Improved Seed: The campaign to improve the seed of cotton planted in the county was continued this year. The following amounts of seed were purchased direct from breeders during 1948.

8 tons Cokers Wilt Resistant Latest Strain

Several farmers purchase seed each year direct from breeders of which two have no record. These seed were in addition to the other seed in the county and two years from the breeder.

The entire county was organized into a one-variety county during 1945 with seven gins cooperating. However during 1948 only five gins posted bonds thereby being qualified to submit samples for free grade and staple service.

Cotton Field after Mechanical Harvesting

Allendale County

Legumes For Hay

Two farmers cut kobe for hay and report excellent results. 100,000 lbs. of kobe seed were seeded in the spring of 1946 in Allendale County. As a result of these seed local farmers do not now have to purchase very many kobe seed. Instead Allendale County farmers have seed for sale.

Kobe For Hay

| <u>Name</u> | <u>Acres</u> | <u>Amount Cut</u> |
|-----------------|--------------|-------------------|
| E. M. Dickinson | 10 | 32.5 tons |
| J. M. Thomas | 15 | 30.0 tons |

Summary Lespedeza Seed Production Demonstrations

| <u>Name</u> | <u>Acres</u> | <u>Variety</u> | <u>Pounds Seed</u> | <u>Seed Per Acre</u> |
|-----------------|--------------|----------------|--------------------|----------------------|
| H.L. Haskell | 17 | Kobe | 5,100 | 300 |
| E. M. Dickinson | 35 | Sericea | 14,000 | 400 |

Crotalaria For Seed: Crotalaria for seed production demonstrations were conducted this year. These seed were harvested with a combine with satisfactory results. A summary of these demonstrations follows:

Pea- Hay Harvesting

Allendale County

Summary Crotalaria For Seed Production

| Name | Acres | Crop | Pounds Seed | Pounds per Acres |
|---------------|-------|----------------|----------------|---------------------|
| J. D. Rouse | 100 | Carolina | 10,000 | 100 |
| Yancey Heaton | 80 | Early Carolina | 20,000 | 250 |

Extra late frost and mild weather have retarded the ripening of crotalaria seed making the harvesting of seed very difficult.

Summary of Blue Lupine For Seed Production

| Name | Acres | Crop | Pounds Seed | Pounds per Acre |
|-----------------|-------|-------------|----------------|--------------------|
| J. W. Bryan | 12 | Blue Lupine | 6,000 | 500 |
| W. F. Barnes | 20 | Blue Lupine | 16,000 | 800 |
| Harry Warren | 20 | Blue Lupine | 10,000 | 500 |
| Dunbar Oswald | 25 | Blue Lupine | 16,000 | 604 |
| J. D. Rouse | 50 | Blue Lupine | 50,000 | 1,000 |
| G. V. Brunson | 18 | Blue Lupine | 8,000 | 450 |
| J. A. Barker | 25 | Blue Lupine | 30,000 | 1,200 |
| B. C. Pendarvis | 125 | Blue Lupine | 68 tons | 1,088 |
| H. L. Haskell | 25 | Blue Lupine | 30,000 | 1,200 |
| W. B. Manuel | 9.5 | Blue Lupine | 13,000 | 1,370 |

330

972²

Summer Legumes

Crotalaria for Soil Building

Allendale County

Permanent Pastures

Permanent Pasture Demonstrations: The campaign for increasing permanent pastures in Allendale County during 1948 was continued. A total of 100 lbs. of Alta Fescue and 50 lbs. of Ladino Clover seeds were bought by the county agent for pasture seedings.

Many tons of kobe lespedeza were seeded in 1948. I have no accurate record of this as farmers now buy these seed locally. However, I did purchase 3,000 lbs. of certified kobe seed.

J.M. Thomas annually applies complete fertilizer to his permanent pastures of carpet grass, kobe, and dallas grass with excellent results. Since Mr. Thomas began this practice he has had abundant grazing even during dry spells.

Two complete pasture demonstrations were established in 1945 along with the help of Mr. Craven and Mr. Redfern to determine what fertilizer mixtures are most effective on Grady ponds that have been cleared and drained, are being continued. Each demonstration consists of five acres, each acre of which receives a different fertilizer treatment. Treatments are as follows:

| 1 | 2 | 3 | 5 |
|---|--|---|---|
| 125 lbs. of super phosphate, 75 lbs. murate of potash, 100 lbs. of 16% nitrogen, 100 lbs. of basic slag. | 50 lbs. of super phosphate 150 lbs. of potash, 100 lbs. of 16% nitrogen 1000 lbs. basic slag | 250 lbs. of superphospahte 1000 lbs. of basic slag | 250 lbs. of superphos- phate 150 lbs. of potash 1000 lbs. basic slag. |

1.5 tons of limestone per acre had previously been applied. This previously was a carpet grass pasture but they were thoroughly disked and smoothed before being seeded to the recommended pasture mixture of dallas grass, kobe lespedeza, and white dutch clover.

One complete pasture demonstration was conducted on the farm of James B. Brandt of Ulmers, using the above fertilizer applications and seeding. Results of this demonstration will be found on the following pages:

The pasture demonstration started on the farm of Dudley Rouse, Luray, S.C. has been discontinued because of lack of cooperation and poor drainage.

Pasture Demonstration

James B. Brandt, Allendale County

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | " | " | " | " | " | " | " | | | | | |
| | " | " | " | " | " | " | " | | | | | |
| N | " | 1 | " | 2 | " | 3 | " | 4 | " | 5 | " | N |
| | " | " | " | " | " | " | " | " | " | " | " | |

No. 1

- (1) Carpet grass growth good
- (2) Dallas grass growth fair
- (3) White Dutch Clover growth very good
- (4) Lespedeza growth fair
- (5) Vigor very good
- (6) Excellent Weed Control
- (7) Excellent Pasture rating

No. 2

- (1) Carpet grass growth very good
- (2) Dallas grass growth good scattered
- (3) White dutch growth very good
- (4) Lespedeza growth fair
- (5) Vigor very good
- (6) Excellent weed control
- (7) Very good pasture

No. 3

- (1) Carpet grass solid mat
- (2) Dallas poor, almost none
- (3) White dutch poor, small
- (4) Lespedeza none
- (5) Vigor poor, yellow cast
- (6) Excellent weed control
- (7) Poor pasture, turfy

No. 4

- (1) Carpet grass growth very good
- (2) Dallas grass poor
- (3) White dutch clover growth very good
- (4) Lespedeza growth very little
- (5) Vigor very good
- (6) Excellent weed control
- (7) Very good pasture

No. 5

- (1) Carpet grass growth very good
- (2) Dallas grass growth fair
- (3) White dutch growth very good
- (4) Lespedeza growth scattered
- (5) Vigor very good
- (6) Excellent weed control
- (7) Very good pasture

Note: Cattle grazing on this pasture are fat and cooperater is highly pleased. This pasture showed slow response to treatments during 1945 and 1946 seasons but progress during 1947 and this season has been most satisfactory. All grasses and legumes are in a vigorous growing condition and are not over-grazed. White dutch and Dallas grass have thickened outstandingly since last season and are very vigorous. The grass is not vigorous and legumes are scattered and of poor vigor on the check plot. Very little grazing on check plot as contrasted with grazing on treated plot.

Lespedeza at the present time seems to be very scattered and perhaps will need re-seeding next spring. Mr. Brandt has neglected to mow his pasture as often as needed, leaving patches of the tough grass. He however has perfect weed control. He now is in the dairy business and this pasture is near the dairy barn. Another year his cattle can perhaps keep up with the grazing. The past two years he had surplus grass.

CORN DEMONSTRATIONS

Four corn production demonstrations were conducted during 1948 to determine favorability of hybrid corn to this section.

A summary of these demonstrations follows:

HYBRID DEMONSTRATIONS

| Variety | Acres | Date of | Soil | Fertilizer | Yield |
|----------|-------|----------|-----------------------|--------------------------|-------|
| | | Planting | Type | | |
| N. C. 27 | 2 | April 20 | Norfolk Loam | 500# 5-10-5 100# Soda | 60 |
| N. C. 27 | 1.5 | May 1 | Norfolk Loam | 400# 5-10-5 100# Soda | 58 |
| Dixie 17 | 1.0 | May 5 | Norfolk Sandy Loam | 300# 4-10-6 200# Soda | 40 |
| N. C. 27 | 1.0 | April 1 | Norfolk Sand | 300# 4-10-6 100# Soda | 30 |

OBSERVATIONS: Apparently Hybrid corns stand dry spells better than other open pollinated varieties. The ears generally are smaller in size, more numerous on the stalks, however weevil damage is more severe. Stalks stand more wind than regular varieties. To date farmers are growing several varieties of hybrid corn successfully. However, due to the poor shuck coverage and excess weevil damage the majority of hybrid corn now grown in Allendale County is hogged off.

During 1948 dry weather corn ear worms and corn weevils were more than they have been in many years. McCurdys yellow and N. C. 27 hybrids generally made excellent yields, however weevil damage is excessive.

Animal Husbandry

Animal husbandry work in Allendale County in 1948 consisted in educational demonstrations work with swine and beef cattle.

Swine

The program of demonstration work with hogs included placing purebred boars, hog feeding management and meat curing.

Purebred Sires: Four purebred sires were placed this year.

Record of Purebred Boars Placed

| <u>Name</u> | <u>Number</u> | <u>Breed</u> |
|----------------|---------------|--------------|
| McLeod Hiers | 1 | Duroc |
| J. M. Thomas | 1 | Duroc |
| Willie D. Cone | 1 | Duroc |
| Bruce Harter | 1 | Duroc |

All boars placed were of sufficient age and size to be ready for service. All boars were Durocs and can be noted above. I feel that this is a direct result of having a reliable breeder of purebred hogs in the county.

Mr. W. F. Barnes and Son are raising and selling purebred Durocs of the desirable type. To date they have had one purebred auction at which boars averaged \$72.50 and gilts \$90.00. During 1948 they have sold 40 boars and gilts to individuals in Allendale and adjoining counties.

Four farmers were given help in securing purebred gilts.

Record of Guilts Placed

| <u>Name</u> | <u>Number</u> | <u>Breed</u> |
|-----------------|---------------|--------------|
| J. M. Thomas | 2 | Duroc |
| Bruce Harter | 2 | Duroc |
| W. Allen Harter | 1 | Duroc |
| A. W. Manuel | 1 | Poland China |

The following is a record of purebred boars placed since 1933

Summary Boars Placed 1933-1948

| Year | No. Placed |
|----------------------------|------------|
| 1933 | 3 |
| 1934 | 3 |
| 1935 | 3 |
| 1936 | 5 |
| 1937 | 7 |
| 1938 | 6 |
| 1939 | 7 |
| 1940 | 1 |
| 1941 | 3 |
| 1942 | 2 |
| 1943 | 6 |
| 1944 | 3 |
| 1945 | 5 |
| 1946 | 5 |
| 1947 | 13 |
| 1948 | 4 |
| <hr/> | |
| Totals placed in 15 years. | 76 |

As a result of this work it is estimated that there are 45 purebred boars in service in Allendale County in 1948.

Animal Husbandry (Continued)

Hog Feeding and Management: Hog feeding has increased in the county during the year. Commercial protein supplement is being used since fish meal is scarce. Many acres of corn is being hogged down. Since soft pork has not been discounted lately, farmers are again grazing peanuts.

Farmers report excellent results where they plant corn and peanuts or corn and soybean together and hog off. This certainly saves labor during an emergency. Hog production has certainly increased in the past few months. Almost every farmer, large or small, is feeding out quite a few pigs. These feedings were largely secured from local markets as most farmers sold out their hogs for excellent prices during the meat shortage. However many farmers are again getting a few sows.

Animal Husbandry (Continued)

Our chief problem in hog production is the control of internal and external parasites. Unnecessary losses occur daily from carelessness in sanitation. Much educational work is being done and still has to be done on sanitation. Generally farmers ignore all advice until trouble starts, then they, for a short while, follow all recommendations, but when the trouble clears up, they forget.

Hog Marketing: All marketing of hogs was done this year by the Fairfax and Ehrhardt Auction Markets. Prices inline with cooperative markets have been paid.

Meat Curing: The program of home killing and curing of meat has been continued this year and farmers have been urged to avoid spoilage of meat by having it cured in the local cold storage plants. These companies have been doing a good job of curing and the farmers are appreciating, more each year, this service. A summary of meat cured in cold storage since 1948 follows:

SUMMARY OF MEAT CURED IN ALLENDALE COUNTY 1936-1948

| <u>Season</u> | <u>Number Patrons</u> | <u>Pounds Meat in Storage</u> |
|---------------|-----------------------|-----------------------------------|
| 1935-36 | 187 | 45,000 |
| 1936-37 | 265 | 85,000 |
| 1937-38 | 360 | 95,000 |
| 1938-39 | 485 | 155,000 |
| 1939-40 | 563 | 107,000 |
| 1940-41 | 575 | 130,000 |
| 1941-42 | 590 | 142,000 |
| 1942-43 | 853 | 125,962 |
| 1943-44 | 700 | 150,870 |
| 1944-45 | | |
| 1945-46 | 443 | 72,751 |
| 1946-47 | 235 | 43,158 |
| 1947-48 | 179 | 18,325 |

IRISH POTATO FEEDING

Two Allendale County farmers secured surplus Government Irish Potatoes for feeding to hogs.

Potatoes were cooked, salt added and then fed in troughs. Protein supplement, corn, and in one instance wheat bran was fed in addition to the potatoes. All hogs fed made normal gains.

Potatoes however, when fed in any appreciable amount caused scouring. The average diet fed was composed of 75% potatoes.

Summary of these Demonstrations

| Name | Days Fed | No. Bags Fed | Average No. Hogs Fed | Gain in Weight | Other Ration |
|-----------------|----------|--------------|----------------------|----------------|--|
| W. F. Barnes | 90 | 600 | 60 | 6,300 | Corn Tankage Wheat Bran |
| W. Allen Harter | 40 | 300 | 100 | 4,000 | Soaked Wheat Corn 40% Supplement |

Both farmers feel that potatoes are a good feed but at present market price would not be profitable. Too laxative in any amounts for hogs.

Beef Cattle

Beef cattle work in Allendale County in 1948 included placing purebred bulls and beef management.

Purebred Bulls Placed: Two purebred bull were placed with farmers this year. A summary of these bulls placed is as follows:

Summary Beef Bulls Placed 1948

| <u>Name</u> | <u>Number</u> | <u>Breed</u> | <u>Age</u> | <u>Price</u> |
|---------------|---------------|--------------|------------|--------------|
| W. F. Barnes | 1 | Hereford | 18 Mo. | \$635.00 |
| Dunbar Oswald | 1 | Hereford | 4 Yrs. | 400.00 |

The following table gives a summary of Beef Bulls placed since 1930

SUMMARY BEEF BULLS PLACED 1930-1948

| Year | Hereford | Polled Hereford | Total |
|------|----------|-----------------|-------|
| 1930 | 2 | 0 | 2 |
| 1931 | 1 | 0 | 1 |
| 1932 | 0 | 0 | 0 |
| 1933 | 0 | 1 | 1 |
| 1934 | 0 | 0 | 0 |
| 1935 | 1 | 0 | 1 |
| 1936 | 8 | 2 | 10 |
| 1937 | 3 | 0 | 3 |
| 1938 | 4 | 0 | 4 |
| 1939 | 6 | 0 | 6 |
| 1940 | 1 | 1 | 2 |
| 1941 | 6 | 0 | 6 |
| 1942 | 6 | 0 | 6 |
| 1943 | 7 | 0 | 7 |
| 1944 | 7 | 0 | 7 |
| 1945 | 6 | 0 | 6 |
| 1946 | 4 | 0 | 4 |
| 1947 | 2 | 0 | 2 |
| 1948 | 1 | 1 | 2 |
| | 65 | 5 | 70 |

As a result of Extension work in placing purebred bulls it is estimated that there are 45 bulls in service in the county during 1948.

Beef Herd Management: 3 farmers of the county followed recommendations of livestock specialist in regard to breeding and creep feeding of calves. These were J. M. Thomas, Fairfax, Dunbar Oswald, Allendale, and N.B. Loadholdt Fairfax.

Silage Production: Two farmers produced silage this year for their use by their beef herds. A summary of these demonstrations follows:

Summary Silage Production 1948

Beef Cattle

| Name | Type Silo | Material Used | Tons Produced |
|---------------|----------------------|---------------|---------------|
| Dunbar Oswald | Concrete Stave | Pop Corn | 140 |
| J. A. Furse | Concrete Stave | Hegari | 140 |
| Charlie Koth | Temporary Snow Fence | Hegari | 50 |

Dairying

During 1948 dairying in Allendale County has increased slightly. The following table gives the dairies:

| Name | No. Cows | | Place Milk |
|--------------------|----------|-----------------------------------|----------------|
| | Milking | Breed | Sold |
| A.M.Warren | 21 | Holstein Guernsey | Charleston |
| James B. Brandt | 30 | Guernsey | Retail locally |
| Tyndell Strickland | 15 | Jerseys Guernseys | Charleston |
| Guy Otis Thomas | 60 | Holsteins Jerseys Guernseys | Retail locally |

We have been working with these dairymen trying to improve pastures, grazing crops and ensilage production.

SUMMARY SILAGE PRODUCTION DAIRYING

| Name | Type | Material | Tons |
|-----------------|------------------|----------|-----------------|
| | Silo | Used | Produced |
| A. M.Warren | Concrete Stave | Pop Corn | 150 |
| A.M.Warren | Concrete Stave | Hegari | 150 |
| Guy Otis Thomas | 2 Concrete Stave | Pop Corn | 300 |
| James B.Brandt | 2 Concrete Stave | Pop Corn | 150 |
| TOTALS | 5 | | 750 tons |

NARRATIVE REPORT - 4-H COUNCIL - 1948

This year of 1948 makes our 4-H County Council three years old. In these three years a lot has been accomplished. Each year it has worked on several weak points and has progressed rapidly.

One of the main meetings of this year was the 4-H Council and Parent night held at the Fairfax Community House on February 12. At this meeting new officers were elected. They were: Harold Kirkland, president, Edwin Priester, Vice-president, Barbara Jean Connelly, secretary.

A delicious supper of barbecue and all the trimmings was prepared and served by the Union Home Demonstration Club women. Everyone thoroughly enjoyed the supper. The tables and club house were also decorated by the Union Home Demonstration Club women.

I want to tell you some of the highlights of the evening. Talks were given by Mrs. Dan Warren on- "Typical Farm Life" and "Farming A Profession" by James B. Brandt. All of the talks were very interesting and beneficial. Another highlight was the presentation of a pig to Carolyn Johns, outstanding girl of the year, by Mrs. Forrest Barnes. Last year the pig was given to Edwin Priester, outstanding boy of '47, by Mr. Barnes. Edwin gave a report on how the pig was progressing and the profits he had made by having it. 145 certificates, seals, and diplomas were awarded to girls and boys at this meeting.

Vocal music was furnished by the Fairfax Glee Club under the direction of Mr. Ben Ehrhardt. Other singing was led by Mr. Romaine Smith, State Boys' Club Agent.

Pictures were taken of groups and of boys and girls appearing on the program, by a local photographer.

We had a meeting at the courthouse on February 23, at which time we discussed and set up goals for the year. The goals set up were:

State Goals

1. To enlarge health programs; to include individual and community health improvement.
2. To increase the 4-H enrollment in this state.
3. To encourage a large participation of 4-H members in county and State Contests.

County Goals

1. Ownership.
2. Parent and Club members cooperation.

A. Methods:

More club member interest- accept full responsibility in project.

B. Parent-Club Member supper.

3. Every council member helping their parents with their garden.

One of the things that 4-H'ers look forward to is the Camp. This is just one means of recreation. Last year the boys and girls attended camp Bob Cooper and this year they are looking forward to going back. Another form of recreation is the annual picnic held at State Park. Parties are also held during the year on special occasion. Each 4-H club member and their parents enjoy these events.

We notice that the interest in 4-H work is rapidly increasing. The 4-H members and their parents are helping to make Allendale County a 4-H County. Everyone seems to be doing their part. It takes all the cooperation that is available to make all of our plans materialize. I would like to take this opportunity to thank everyone who is helping to make our 4-H County Council a success.

Allendale County Livestock 4-H Judging Team placed 2nd at the District Judging Contest in April.

The 4-H Council sponsored a float in the Christmas parade on December 5 in Allendale. The County-Wide Christmas parade was sponsored by the Attendance Council.

75 4-H girls of Allendale County have entered the garden project to help feed the hungry boys and girls of other countries.

Carolyn Johns was the county winner in the junior garden work. Francis Flakeney was the county winner in the ginning contest and received third place in the state contest.

50 4-H girls entered the record achievement contest. Barbara Jean Connelly of the Fairfax 4-H club was the county winner.

SUMMARYState Goals Met

1. To enlarge Health Programs, to include individual and Community Health Improvement.
2. 30 girls entered the Health Improvement Contest.
3. Fairfax girls 4-H Club entered the Health Improvement Contest.

County Goals Met

1. Ownership.
30 parents of the 4-H girls were allowed to receive the money from project - Poultry - gardening and canning.
2. Parent and Club Member Cooperation.
 - a. Parents helping boys and girls to finance project.
 - b. Parents allowing the boys and girls to accept full responsibility of their project.
 - c. Parents and 4-H Club supper held February 12 with 375 attending.

County Allendale

4-H County Council Report
(Joint Council for Boys and Girls)

| | | | | |
|------------------|------------------------------|-----------|----------|--------------------------------|
| <u>Allendale</u> | <u>4-H Council Organized</u> | <u>12</u> | <u>8</u> | <u>1945</u> |
| | | Month | Day | Year |
| President | <u>Harold Kirkland</u> | Address | | <u>Ulmers, South Carolina</u> |
| Vice-President | <u>Edwin Priester</u> | Address | | <u>Fairfax, South Carolina</u> |
| Sec. & Treas. | <u>Barbara J. Connely</u> | Address | | <u>Ulmers, South Carolina</u> |
| Program Chairman | _____ | Address | | _____ |
| Council Leader | <u>Mrs. E. M. Craddock</u> | Address | | <u>Fairfax, South Carolina</u> |

| | | |
|-----------------------------------|------------|------------|
| | 1946-47 | 1947-47 |
| Number Girls' 4-H Clubs in County | Enrollment | Enrollment |
| Number Boys' 4-H Clubs in County | <u>100</u> | <u>100</u> |
| | <u>85</u> | <u>97</u> |
| Totals | <u>185</u> | <u>197</u> |

A. County Council Work:

1. No. meetings Executive Committee (County Officers) 3
 No. Clubs represented 5; Fall Achievement meeting: Date: _____
 held _____ No. clubs represented _____ attendance _____ Spring Rally
 meetings; Date held _____ No. clubs represented _____ attendance 375
 Number club officers and leadership training meetings 1
 attendance 5 (other county meetings) _____

| | | |
|----|--|--|
| 3. | _____ | _____ |
| | <u>Plan of Work</u> | " |
| | | " |
| | <u>Goals</u> | " |
| | | " |
| | | <u>Accomplishments</u> |
| 1. | Council Garden & Conservation Work to feed starving people in other countries. | " 75 girls have gardens- Are planning to can or help their Mothers with canning. " " |

Goals (Continued)

Accomplishments (Continued)

- 2. Encourage boys and girls to enter Contest.
- 3. Team Demonstration
- 4. Encourage Parents and 4-H Cooperation
- 5. Awarding of Certificates, Diplomas, and Seals
- 6. 4-H Livestock Judging Team
- 7. Parents 4-H Night

- "
- "
- "
- " 50 girls entered Contests- Garden- Records and achievement, Canning, and Health Improvement Contest.
- "
- " Beautification
- "
- " Girls are encouraged by Parents to have projects, proceeds for spending money.
- "
- " 145 awarded to boys and girls
- "
- "
- " 4-H Livestock Judging Team placed second at 4-H Judging Contest in April
- "
- " Parents 4-H Night February 12- 375 present
- "
- "
- "
- "
- "
- "
- "

B. Standing in State Council:

1. Number Council Officers at State Meeting (1947) 1

2. By whom was this report written? President, Farm and Home Agents

3. Have the dues been paid? Yes

How was this fund raised? County Funds

1948 State 4-H Council Goals

1. To enlarge Health programs; to include individual and community health improvement.
2. To increase the 4-H enrollment in the state.
3. To encourage a large participation of 4-H members in county and state contests.

County Goals

1. Ownership.
2. Parent and Club members cooperation.
 - A. Methods.

More club member interest- accept full responsibility in project.
 - B. Parent club member supper.
3. Every Council member helping their parents with their garden.

PROGRAM4-H PARENT NIGHTFAIRFAX COMMUNITY HOUSE FEBRUARY 12th - 1948

Call to order _____ Ned Stevenson, Council Pres

Song _____ "AMERICA" - Led by Mr. R. O. Smith, Boys' Club Agent

4-H Gracr _____ Led by Mr. Romaine Smith

Pianist _____ Harold Kirkland

Program began by the assembling of 4-H Clovers _____ Ulmers 4-H Club

Report of the pig won by _____ Edwin Priester

Presentation of the pig to the outstanding girl _____ Mrs. W.F. Barnes to C. Johns

Contests _____ Janie Mae Connelly, Fairfax 4-H Girl

Fairfax Glee Club _____ Mr. Ben Ehrhardt, Director

Talk _____ "Farming a Profession" _____ Mr. James B. Brandt

Introduction of guests _____ Roberta Wengrow, Sec.

Recognition of people donating for supper

Introduction of 4-H Adult Committee _____ Roberta Wengrow, Sec.

Election of Officers by Council -

4-H Council Officers

Harold Kirkland, President, Edwin Priester, Vice-President,
Barbara Jean Connelly, Secretary

Parent- Club Member Night

Edwin Priester Reporting on Project

Summary Calf Club Work 1948

| Name | No. Animals | Days Fed | Gain in Weight | Total Value | Total Cost | Profit |
|------------------|-------------|-------------|----------------|------------------|------------------|-----------------|
| Owen Blakeney | 2 | 180 | 400 | \$435.20 | \$330.00 | \$135.20 |
| Edwin Priester | 1 | 200 | 350 | 312.00 | 225.00 | 87.00 |
| Donald Loadholdt | 1 | 180 | 290 | 245.10 | 200.00 | 45.10 |
| LeGare Johns | 2 | 180 | 300 | 357.74 | 200.00 | 157.74 |
| Bernard Platts | 2 | 180 | 225 | 327.93 | 325.00 | 2.93 |
| N. B. Loadholdt | 2 | 160 | 450 | 542.80 | 433.25 | 109.55 |
| TOTALS | 10 | 1080 | 2015 | \$2220.77 | \$1713.25 | \$537.52 |
| AVERAGE | 10 | 180 | 201 | 222.77 | 171.32 | 53.75 |

In the pens of 3, N. B. Loadholdt won third place.

| Name | Pen of Threes | | | Placing | Price per 100 lbs. |
|-----------------|---------------|--------------|--|---------|--------------------|
| | No. Animals | Total Weight | | | |
| N. B. Loadholdt | 3 | 2465 | | 3 | \$31.50 |

Car Lots

| Name | No. Animals | Total | | Placing | Price Per 100 Lbs. |
|--------------|-------------|----------------|--|---------|--------------------|
| | | Average Weight | | | |
| W. J. Thomas | 15 | 10,220 | | 1 | \$28.63 |
| W. J. Thomas | 15 | 8,975 | | 2 | 27.66 |

Miscellaneous: During 1948 25 Burdizzio demonstrations and 4 dehorning demonstrations were given.

Entomology and Plant Pathology

Extension work in Entomology and Plant Pathology included work in insects and diseases of plants and animals.

Crop Diseases

Dust Treatment of Seeds: The treating of planting seed of small grain and cotton ~~are~~ used in all communities and has become a general practice in Allendale County. Metal drums are used in all communities for this purpose. The Southern Cotton Oil Co., in Allendale kept materials on hand and treated seed at cost for those farmers who brought them in. Some of the large farmers carried their seed to Augusta and had them delinted and treated by oil mills there.

Planting seed of sweet potatoes were all treated with Borax before bedding. Results show that Borax is 100% satisfactory.

Mosaic Resistant Sugar Cane: As a result of the 6,000 stalks of CO-290 cane seed donated by the Petigreed Seed Co., Hartsville, S. C., five years ago, Allendale County farmers will have an adequate syrup supply. Not only is the cane mosaic resistant, but it produces well, on drier less fertile soils than other varieties. Sugar cane for syrup has become a less favorable practice now that labor is so scarce.

Boll Weevil Control: The campaign for the control of the boll weevil through the use of 1-1-1 poison mixture was continued this year. Many farmers again used the sweet poison and excellent results were obtained. A tremendous amount of BHC, Chlordane and toxaphane was used by farmers in the county during 1948. I personally handled orders for 35 tons, the local banker 20, making a total of 55 tons. Many, many additional tons were purchased by farmers from local dealers. Generally, results from BHC used before migration were successful and encouraging. The majority of the farmers were disappointed with results obtained from other dusts. Apparently BHC will be used generally next year. Thirty new power dusters were purchased during last season. One or more dusters were available in every community.

Insects and Rodents

Mouse Control in Melon Fields: Thirteen demonstrations in the use of poison to control mice damage to melon fields were conducted in 1948. Alkaloid strychnine treated steam rolled oats was the bait used from a Government laboratory in Idaho. The results of using the poisoned rolled oats were very satisfactory, 400 lbs. of bait being used.

Dusting is becoming more popular and farmers bought thirty-five new power dusters to control the boll weevil.

Cattle Louse Control: Pyro-dust continues to be used generally by farmers in the county for the control of lice. Dusting is recommended in the fall and winter months and good results have been noted on all herds examined. Forty pounds of dust were used by farmers in the county last year. This was in addition to the 50% Wettable DDT that was used. I ordered 100# of 50% DDT for farmers.

Screw Worm Control: The screw worm continues to be a serious pest in the county. Control measures are well known and farmers kept close check on animals and treated as soon as infestation began. Screw worms were not as bad as usual this fall. Using smear 62 proved very effective and **easy to apply**. Farmers report complete control when smear 62 is used, one treatment being all necessary usually.

Fence Post Preservation: Fence post treated with copper sulphate in 1939 and in use since that time were observed to be partially decayed now. Approximately 70% of these posts are of no further use.

Forestry

Forestry Extension Work in Allendale County included work in the Woodland management, planting, and fire protection.

Woodland Management: Seven surveys of farm woodlands were made by the Forest Service for the purpose of recommending marketing and management practices. These demonstrations were as follows:

| | |
|-----------------------|------------|
| Mrs. B. L. Moore | 30 Acres |
| Mrs. J. W. Campbell | 68 Acres |
| Mrs. Francis W. Moore | 55 Acres |
| Mrs. U. Patterson | 400 Acres |
| W. R. Loadholdt | 75 Acres |
| L. V. Simons | 1096 Acres |
| A. J. Morris | 3500 Acres |

Farmers Having Timber Marked For Selective Cutting

| Name | Acres | Feet |
|-------------------------|--------------|----------------|
| | Examined | Marked |
| Mrs. B. L. Moore | 30 | 11,800 |
| Mrs. J. W. Campbell | 68 | 56,480 |
| Mrs. Francis W. Moore | 55 | |
| Mrs. Ulmer M. Patterson | 400 | |
| W. Russell Loadholdt | 75 | 141,770 |
| L. V. Simons | 1096 | |
| A. J. Morris | 3500 | |
| TOTALS | 4,804 | 210,050 |

County Agent cooperated with the Soil Conservation Service and the Forestry Service in promoting the planting of forest trees in the county. Farmers placed orders with the Forest Service for 350,000 seedlings.

Cork Plantings: 2,700 cork acorns were planted in the county during 1948. Nine trees are reported to be growing from same. 2,000 additional acorns were planted in 1948.

Fire Protection: A county-wide fire protective association has been formed with Leon Moody as fire warden. He, with the help of two full time tower men and a fire fighting crew equipped with a tractor and fire plow have been doing a very good job of controlling fires. Only a very few fires have been reported to date this fall.

Pulpwood: The County Agent served on a local pulpwood committee to help keep farmers informed as to the need and prices of pulpwood; largely through local newspapers. The cutting of pulpwood in this county has reached serious proportions. Many stands of young, fast growing timber have been utterly destroyed.

4-H Forestry: Two regular forestry programs were presented at club meetings.

Five-Acre Pulpwood Thinning Contest: Being unable to find farmers having pine timber lands eligible for entry in the five-acre pulpwood thinning contest, I had no entries from this county.

4-H Club Work

Boys 4-H club work was conducted in nine communities through the clubs organized in the three consolidated schools in the county. 105 boys were enrolled in these clubs.

Summary of Enrollments and Completions: The following is a list of the clubs showing enrollments and completions of projects:

Summary of 4-H Club Enrollments and Completions

| Name of Club | No. Members | No. Completed | % of Members |
|---------------|-------------|----------------|--------------|
| | Enrolled | Demonstrations | Completing |
| Allendale Hi | 33 | 28 | 85 |
| Allendale Ele | 40 | 28 | 70 |
| Fairfax | 32 | 31 | 99 |
| | 105 | 87 | 84 |

The following is a summary of 4-H club enrollments and completions for the years 1930-1948.

Summary 4-H Club Enrollments and Completions 1930-1948

| Year | Enrollment | Completion | % Completions |
|------|------------|------------|---------------|
| 1930 | 67 | 19 | 28 |
| 1931 | 44 | 22 | 50 |
| 1932 | 48 | 27 | 56 |
| 1933 | 54 | 37 | 69 |
| 1934 | 83 | 43 | |
| 1935 | 55 | 37 | 67 |
| 1936 | 59 | 18 | 31 |
| 1937 | 76 | 22 | 23.7 |
| 1938 | 43 | 34 | 46 |
| 1939 | 61 | 26 | 55.7 |
| 1940 | 37 | 20 | 76 |
| 1941 | 41 | 30 | 48 |
| 1942 | 43 | 41 | 69.8 |
| 1943 | 40 | 54 | 103 |
| 1944 | 63 | 54 | 70 |
| 1945 | 64 | 18 | 84 |
| 1946 | 66 | 58 | 87.9 |
| 1947 | 85 | 70 | 82 |
| 1948 | 105 | 87 | 84 |

Summary Completed Demonstrations 1948

| Demonstrations | Number Completing | Value Production | Cost | Profit |
|----------------|----------------------|---------------------|-----------------|-----------------|
| Beef Cattle | 6 | \$2,220.77 | \$1,713.25 | \$ 537.52 |
| Sow and Litter | 10 | 1,763.00 | 1,061.00 | 702.00 |
| Pig Fattening | 14 | 677.00 | 533.00 | 244.00 |
| Garden | 8 | 627.00 | 304.00 | 323.00 |
| Dairy Cow | 1 | 125.00 | 80.00 | 45.00 |
| Corn | 8 | 264.50 | 177.20 | 88.30 |
| Poultry | 36 | 1,627.00 | 1,123.30 | 503.70 |
| Cotton | 5 | 1,376.00 | 516.00 | 860.00 |
| TOTALS | 88 | 8,681.27 | 5,507.75 | 3,303.52 |

4-H Club Camp

The Annual 4-H Club Camp was held at Camp Bob Cooper, Manning, on June 21-25. Thirty-two boys and two leaders attended Camp.

Summary 4-H Beef Calf Club

| Name of Member | No. | Days | Gain in | Total | Total | Profit |
|---------------------|---------|------|---------|----------|----------|----------|
| | Animals | Fed | Weight | Value | Cost | |
| Owen Blakeney | 2 | 180 | 400 | \$435.20 | \$330.00 | \$135.20 |
| Edwin Priester | 1 | 200 | 350 | 312.00 | 225.00 | 87.00 |
| Donald Loadholdt | 1 | 180 | 290 | 245.10 | 200.00 | 45.10 |
| LaGree Johns | 2 | 180 | 300 | 357.74 | 200.00 | 157.74 |
| Bernard Platts | 2 | 180 | 225 | 327.93 | 325.00 | 2.93 |
| N. B. Loadholdt III | 2 | 160 | 450 | 542.80 | 433.25 | 109.55 |
| | 10 | 1080 | 2075 | 2220.77 | 1713.25 | 537.52 |

Summary Pig Club Sow and Litter Class

| Name | No. Pigs | No. Pigs | Total | Total | Profit |
|-----------------|----------|----------|----------|----------|---------|
| | Farrowed | Raised | Value | Cost | |
| Barney Ford | 4 | 4 | \$40.00 | \$23.00 | \$17.00 |
| Jimmie Harper | 5 | 4 | 80.00 | 65.00 | 15.00 |
| Bob Loadholdt | 10 | 9 | 400.00 | 200.00 | 200.00 |
| Edwin Priester | 7 | 7 | 342.00 | 175.00 | 167.00 |
| James Davis | 11 | 7 | 75.00 | 50.00 | 25.00 |
| Ezekiel All | 6 | 6 | 100.00 | 65.00 | 35.00 |
| H. L. Horton | 11 | 8 | 118.00 | 80.00 | 38.00 |
| Harold Kirkland | 14 | 14 | 280.00 | 170.00 | 110.00 |
| Olin Brunson | 5 | 4 | 48.00 | 37.00 | 11.00 |
| Bobby Best | 8 | 7 | 280.00 | 196.00 | 84.00 |
| TOTALS | 81 | 70 | 1,763.00 | 1,061.00 | 702.00 |

Summary 4-H Pig Club Fattening Class

| Name | No. Animals | Days Fed | Gain in Weight | Total Value | Total Cost | Profit |
|---------------------|----------------|--------------|-------------------|----------------|---------------|---------------|
| J. E. Smith | 1 | 180 | | \$60.00 | \$40.00 | \$20.00 |
| Jimmie Cope | 1 | 150 | | 56.00 | 40.00 | 16.00 |
| Jimmie Foster | 1 | 30 | | 12.00 | 10.00 | 2.00 |
| Robert Sanders | 2 | 90 | | 100.00 | 65.00 | 35.00 |
| Sammy Brant | 4 | 180 | | 200.00 | 140.00 | 60.00 |
| Barnie Smith | 1 | 90 | | 15.00 | 10.00 | 5.00 |
| Joe Brant | 3 | 60 | | 40.00 | 28.00 | 12.00 |
| Jonas Farr | 1 | 60 | | 20.00 | 15.00 | 5.00 |
| C. W. Oglesby | 1 | 300 | | 78.00 | 42.00 | 36.00 |
| Charles Kennedy | 2 | 60 | | 22.00 | 12.00 | 10.00 |
| Jack Moody | 1 | 90 | | 25.00 | 18.00 | 7.00 |
| J. B. Harter Jr., | 1 | 90 | | 45.00 | 25.00 | 20.00 |
| William Myrick Jr., | 1 | 365 | | 75.00 | 65.00 | 10.00 |
| Buster Lewis | 2 | 90 | | 29.00 | 23.00 | 6.00 |
| TOTALS | 22 | 1,835 | | 677.00 | 533.00 | 244.00 |

Summary 4-H Poultry Club Layers

| Name | No. Hens | Eggs Per Day | Value | Cost | Profit |
|------------------|------------|-----------------|-----------------|---------------|---------------|
| Jimmy Harper | 50 | 20 | \$ 80.00 | \$ 64.00 | \$16.00 |
| Billy Kirkland | 2 | 2 | 20.00 | 12.00 | 8.00 |
| Elbert Windham | 15 | 12 | 48.00 | 37.00 | 11.00 |
| Wofford Brant | 15 | 8 | 63.00 | 40.00 | 23.00 |
| Jimmie Ayer | 15 | 10 | 90.00 | 61.00 | 29.00 |
| Homer Deere | 24 | 5 | 50.00 | 40.00 | 10.00 |
| Joe McCaskey | 20 | 10 | 130.00 | 90.00 | 40.00 |
| Charles Priester | 5 | 3 | 30.00 | 25.00 | 5.00 |
| Billy Priester | 15 | 10 | 42.50 | 32.25 | 10.25 |
| David Jeffcoat | 14 | 8 | 50.00 | 38.00 | 12.00 |
| Jimmy Boyles | 16 | 6 | 42.35 | 35.00 | 7.35 |
| Harry Kearse | 15 | 6 | 63.60 | 35.00 | 28.60 |
| Billy Kearse | 15 | 6 | 45.00 | 22.00 | 23.00 |
| L. M. Brabham | 10 | 3 | 26.00 | 18.00 | 8.00 |
| Joe Harter | 16 | 10 | 17.00 | 15.00 | 2.00 |
| Billy Moody | 9 | 7 | 9.80 | 8.00 | 1.80 |
| Billy Main | 15 | 9 | 75.00 | 51.00 | 24.00 |
| Charles Bennett | 10 | 4 | 48.00 | 40.00 | 8.00 |
| Gene Kinard | 10 | 10 | 49.00 | 38.00 | 11.00 |
| Horace Kearse | 15 | 15 | 78.00 | 60.00 | 18.00 |
| Harold McCaskey | 25 | 15 | 60.00 | 28.00 | 32.00 |
| Ralph Ferguson | 20 | 18 | 40.00 | 20.00 | 20.00 |
| Willard McGraw | 25 | | 50.00 | 35.00 | 15.00 |
| TOTALS | 391 | 197 | 1,207.25 | 844.25 | 363.00 |

Summary 4-H Poultry Club Broilers

| Name | Eggs Set | Chicks Bought or Hatched | Total Value | Total Cost | Profit |
|-----------------|------------|--------------------------|------------------|------------------|------------------|
| Dennis Pender | 35 | 0 | \$ 35.00 | \$ 29.00 | \$ 6.00 |
| Bryan Oswald | 25 | 0 | 25.00 | 23.00 | 2.00 |
| George Kirkland | 0 | 17 | 17.00 | 14.00 | 4.00 |
| Buist Farmer | 0 | 27 | 27.00 | 22.00 | 5.00 |
| Hubert Oglesby | 0 | 20 | 20.00 | 20.00 | 4.00 |
| Charles Mitchum | 12 | 11 | 11.00 | 17.70 | 6.05 |
| Jimmy Harper | 32 | 56 | 56.00 | 50.00 | 10.00 |
| Johnnie Mole | 0 | 50 | 50.00 | 35.00 | 65.00 |
| Harry Sullivan | 0 | 10 | 10.00 | 8.00 | 2.00 |
| Johnny Riddle | 0 | 18 | 14.00 | 12.35 | 1.65 |
| Robert Smith | 50 | 45 | 50.00 | 25.00 | 25.00 |
| Billy Ready | 15 | 12 | 10.00 | 7.00 | 3.00 |
| Emory King | 0 | 25 | 23.00 | 16.00 | 7.00 |
| Totals | 169 | 291 | \$ 419.75 | \$ 279.05 | \$ 140.70 |

Summary 4-H Cotton Club

| Name | No. of Acres | Value | Cost | Profit |
|-----------------|--------------|--------------------|------------------|------------------|
| Alton Thrift | 4 | \$ 330.00 | \$ 160.00 | \$ 170.00 |
| Johnston Oswald | 1 | 89.00 | 72.00 | 17.00 |
| Ellison Deere | 2 | 475.00 | 75.00 | 400.00 |
| Owen Barker | 1 | 163.00 | 90.00 | 73.00 |
| Benjamin Oswald | 6 | 319.00 | 119.00 | 200.00 |
| Totals | 14 | \$ 1,376.00 | \$ 516.00 | \$ 860.00 |

Garden 4-H Clubs

| Name | No. | Acres | Value | Cost | Profit |
|---------------------|-----|-------|---------|--------|---------|
| Carroll Reeves Jr., | 1 | | \$17.00 | \$5.00 | \$12.00 |
| Tommy Warren | 1 | | 20.00 | 8.00 | 12.00 |
| Willard Marsh | 1 | | 9.00 | 5.00 | 4.00 |
| Horace Googe | 1 | | 11.00 | 3.00 | 8.00 |
| Joe Haskell | 1/8 | | 5.00 | 2.00 | 3.00 |
| Billy Whatley | 1 | | 15.00 | 6.00 | 9.00 |
| Arthur Creech | 1 | | 50.00 | 25.00 | 25.00 |
| Ralph Ferguson | 4 | | 500.00 | 250.00 | 250.00 |
| TOTALS | | 6 3/8 | 6627.00 | 304.00 | 323.00 |

Summary 4-H Corn Club

| Name | No. | Acres | Yield | Value | Cost | Profit |
|-------------------|------|--------|--------|---------|---------|---------|
| Forest Peeples | 1 | | 20 | \$30.00 | \$18.00 | \$12.00 |
| Marvin Messex | 1/10 | | 1 | 2.00 | 1.00 | 1.00 |
| Henry Ray Wengrow | 1/10 | | 2 | 1.50 | .70 | .80 |
| Dwight Livingston | 2 | | 50 | 70.00 | 50.00 | 20.00 |
| J. E. Polk | 1 | | 20 | 30.00 | 20.00 | 10.00 |
| J. W. Cope | 1 | | 38 1/2 | 57.00 | 34.50 | 22.50 |
| Walter Main | 2 | | 30 | 45.00 | 35.00 | 10.00 |
| James Goodwin | 1 | | 20 | 30.00 | 18.00 | 12.00 |
| TOTALS | | 7 2/10 | 181.5 | 265.50 | 177.20 | 88.30 |

Miscellaneous 4-H ReportCounty Allendale 19 48

4-H Farm Tenancy: Total club members 105; Number whose parents are tenants 20.

Conservation Practices: Number who applied lime 0; Phosphate 0; Potash 0; Number who practices terracing or drainage 0; Grew cover crops 0; Irrigated garden 0; Improved wildlife 0; Number of 4-H meetings at which AAA practices were taught 0; attendance 0.

Fair Exhibits: Number members exhibiting 4; Number exhibits shown 4; Number exhibits winning prizes 1; Prizes won in dollars \$ 1.08.

Farm Improvement: Articles made 0; Home ground improved 0; Other improvements 0.

4-H Livestock Judging Team

The Allendale County 4-H Judging Team Composed of:

| | |
|-----------------|----------------|
| Causey Youmans | Allendale Club |
| Ned Stevenson | Allendale Club |
| Harold Kirkland | Allendale Club |
| Edwin Priester | Fairfax Club |

These boys won second place in the District Contest

Horticulture

Horticultural Extension work in Allendale County in 1948 included work with truck crops, home orchards and sweet potatoes.

Sweet Potatoes

Sweet potato demonstrations included fire-heated hotbeds, sweet potato production.

Fire-heated Hotbeds: Two record demonstrations were conducted in the operation of fire-heated hotbeds for the production of sweet potato plants. A summary of these demonstrations follows:

| Name | Size of Beds | No. of Beds | Type | Bushels Bedded | Date Bedded | Date 1st plants drawn | No. Plant Drawn |
|-----------------|--------------|-------------|------|----------------|-------------|-----------------------|-----------------|
| Otis All | 5 x 40 | 1 | Tile | 16 | Feb. 28 | April 1 | 18,000 |
| Guy Otis Thomas | 5 x 40 | 1 | Tile | 25 | Mar. 15 | April 15 | 15,000 |
| TOTALS | | 2 | | 41 | | | 33,000 |

Growers desiring early plants have found fire-heated hotbeds ideal in producing them early.

SWEET POTATOES

Sweet potato production in Allendale County seem to be almost a thing of the past. Only three farmers grew sweet potatoes during 1948 for commercial use, and then on a very limited scale.

Summary Sweet Potato Production Demonstration

| Culls and No. 2's not separated during 1948 | | | | | |
|---|-------|-------|----------|----------|----------|
| Total | | | | | |
| Name | Acres | Yield | Returns | Cost | Profit |
| Joe L.Folk | 2 | 350 | \$525.00 | \$166.75 | \$328.25 |
| W. J.Youmans | 1 | 200 | 350.00 | 98.00 | 252.00 |
| TOTALS | 3 | 550 | 875.00 | 264.75 | 610.25 |
| Average Per Acre | | 183.3 | 291.66 | 88.25 | 203.42 |

Yields are very good, especially those from early planted fields. Weather conditions were not favorable for late planted patches. Joe L.Folk has his potatoes in storage. W. J.Youmans sold his locally, a few bushels at a time.

Results of Sweet Potato Demonstrations 1937-1948

| Year | No. | Average Yield Per Acre | | | Average Returns | Average Cost | Average Profit |
|------|-----------|------------------------|---------|-------|-----------------|--------------|----------------|
| | Dem. | No. 1's | No. 2's | Culls | Per Acre | Per Acre | Per Acre |
| 1937 | 6 | 54 | 22 | 23 | \$75.84 | \$23.40 | \$52.44 |
| 1938 | 7 | 96 | 39 | 11 | 127.68 | 27.79 | 99.89 |
| 1939 | 5 | 83 | 38 | 24 | 105.55 | 48.16 | 53.39 |
| 1940 | 5 | 101 | 40 | 21 | 106.31 | 40.74 | 65.57 |
| 1941 | 6 | 120 | 48 | 23 | 162.04 | 69.30 | 92.74 |
| 1942 | 3 Market- | 80 | 24 | 21 | 104.00 | 53.05 | 50.95 |
| 1943 | 5 able | 70 | 31 | 41 | 198.33 | 74.44 | 123.89 |
| 1944 | 4 | 97 | 35 | 50 | 233.25 | 92.93 | 140.05 |
| 1945 | 3 1408 | | | 397 | 185.26 | 42.10 | 143.15 |
| 1946 | 4 2500 | | | 135 | 132.69 | 67.13 | 65.54 |
| 1947 | 12.5 | 114.2 | | 57 | 191.26 | 93.54 | 98.11 |
| 1948 | 2 | 183.3 | | | 291.66 | 291.66 | 203.42 |

1's, 2's and culls were not separated.

WATERMELONS

W. E. Myrick of Ulmers grew a demonstration field of wilt resistant melons in cooperation with Mr. C. H. Andurus of the Federal Truck and Vegetable laboratory of Charleston. These melons resembled the Garrison in size and quality however they had a tendency to have too many bad shapes, mainly long necks.

J. B. O'Neal of Fairfax grew a similar field of melons for Mr. Andurus; his however were anthracnose resistant. They also were of excellent quality however the size of this melon was small, the larger ones weighing only 25 lbs.

Dusting of Watermelons

The extreme early appearance of anthracnose caused dusting to be a fairly general practice during 1948. I have records of 9,200 lbs. of Tri-Basic Copper and Diathane that was used.

Home Orchards

Pruning Demonstrations: Thirteen pruning demonstrations, at twelve spraying demonstrations and one fertilizer demonstration were given.

Spraying Demonstrations: Fifty home orchardists were advised as to the proper spray schedule for peaches. Spray materials were available locally through efforts of the County Agent.

Cooperative Orders For Fruit Trees: The County Agent assisted twenty farmers in securing two thousand six hundred and fifty-eight fruit trees and vines cooperatively. At the time of delivery planting instructions and pruning demonstrations were given.

Truck Crops

Allendale County is in a large, well established trucking area, known as the newer "truck area". The important crops in the county are watermelons, cucumbers, sweet potatoes, Irish Potatoes. Work with the truck crops consisted of assisting the farmers with their fertilizer, seed, disease and insect problems. During the past season many acres of cucumbers of both A.C. and pickling varieties were grown. More diseases were present this year than ever before. They consisted of Angular Leaf Spot, Anthracnose and Wilt. Due to a wet spring, good cucumber land was too wet, then high land plantings got too dry.

These demonstration records on cucumbers were secured; a summary of these follows:

| <u>Name</u> | <u>Acres</u> | <u>Variety</u> | <u>Fertilizer</u> | <u>Yield</u> | <u>Value</u> | <u>Cost</u> | <u>Profit</u> |
|-----------------|--------------|----------------|-------------------|--------------|--------------|-------------|---------------|
| Harry Kinard | 5 | A C | 4,000 | 800 Bu. | \$1100.00 | \$390.80 | \$709.20 |
| Joe L. Folk | 2 | A C | 1,600 | 150 Bu. | 150.00 | 120.00 | 30.00 |
| B. H. Loadholdt | 1 | A C | 1,000 | 80 Bu. | 120.00 | 70.00 | 50.00 |

Prices were very good, but yields were poor. Farmers who produced a fair yield made a little money.

Results Cucumber Demonstrations 1937-1948

| Year | No. Dem. | Average Yield Per Acre | | Average Returns Per Acre | Average Cost Per Acre | Average Net Profit or loss P.A. |
|------|-------------|---------------------------|---------|-----------------------------|--------------------------|------------------------------------|
| | | No. 1's | No. 2's | | | |
| 1937 | 4 | 67 | 29 | \$84.44 | \$35.25 | \$49.19 |
| 1938 | 4 | 91 | 26 | 46.75 | 37.81 | 8.94 |
| 1939 | 10 | 68 | 28 | 49.94 | 27.61 | 22.23 |
| 1940 | 6 | 37 | 29 | 32.42 | 34.96 | 2.60 loss |
| 1941 | 5 | 59 | 40 | 73.62 | 45.55 | 27.47 |
| 1942 | 6 | 108 | 36 | 140.60 | 61.06 | 99.54 |
| 1943 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1944 | 2 | 160 | 19 | 86.00 | 38.11 | 47.19 |
| 1945 | 4 | 135 | 23 | 219.06 | 98.86 | 120.19 |
| 1946 | 3 | 130 | | 193.52 | 94.00 | 99.81 |
| 1947 | 2 | 124 | | 124.00 | 68.97 | 55.44 |
| 1948 | 3 | 130 | | 171.22 | 72.60 | 98.65 |

Marketing

Extension work in marketing for 1948 consisted of demonstrations in grading and packing and aiding farmers in the buying and selling of farm products.

Grading and Packing: The Agent with the aid of the Extension Marketing division worked closely with the producers of truck crops in the interest of improving the grades and pack of the produce marketed for Alledale County.

Curing and Storage: One demonstrator is carrying out the proper curing and storing methods for sweet potatoes this year. His potatoes are stored in a community storage house.

Summary of Marketing

| Products | Quantity | Bought | Sold |
|----------------|------------------|----------|------------|
| Hay | 65 tons | \$132.50 | \$2,350.00 |
| Oats | 5,600 Bu. | 400.00 | 5,300.00 |
| Machinery | 1 Grain Drill | 395.00 | |
| | 1 Tractor Outfit | 1,350.00 | 1,350.00 |
| Rat Poison | 400 Lbs. | 100.00 | |
| Crotalaria | 3,500 Lbs. | 420.00 | |
| Pine Seedlings | 350,000 | 525.00 | |
| Tree Sprays | 65 Gals | 40.00 | |
| Cattle | 62 Head | 1,295.00 | 10,170.75 |
| Hogs | 41 Head | | 2,050.00 |
| Fruit Trees | 2,658 | 1,620.00 | |
| Corn | 2,405 | 50.00 | 5,160.00 |
| Cotton Seed | 2.5 tons | 360.00 | |
| Cedar Trees | 2,000 | 20.00 | |
| Strawberries | 200 | 3.60 | |
| Kobe Lespedeza | 1.5 | 840.00 | |
| Cotton Dusters | 14 | 3,150.00 | |
| Ladino Clover | 24 lbs. | 58.00 | |
| Bulls | 2 | 1,035.00 | |
| Soybeans | 45 bu. | | 225.00 |
| Fescue | 100 lbs. | 55.00 | |
| Clovers | 50 lbs. | 55.00 | |

Visual Instructions

Visual instruction work for the year consisted in the use of charts and pictures.

Educational Motion Pictures: Twenty films were shown during 1948 with a combined attendance of 543 farm people.

Charts and maps were used in six farmers meetings attended by 150 farmers.

Summary of Visual Instruction Aids

| <u>Visual Aid Used</u> | <u>No. Meetings</u> | <u>Attendance</u> |
|------------------------|---------------------|-------------------|
| Motion Pictures | 20 | 543 |
| Charts and Maps | 6 | 150 |

Project Activities and ResultsAgricultural Engineering

Cost records secured on two fire-heated hotbeds.

Entomology and Plant Pathology

Thirteen demonstrations conducted showing method mouse control in melon fields. Six demonstrations conducted in controlling burrowing rats. Three demonstrations on controlling leaf spot by using sulphur dust on peanuts. Ten demonstrations on controlling lice with Pyro. Twenty-five control using Phenothiazine. One rat exterminating campaign. One demonstration on dusting watermelons.

Horticulture

In sweet potato work, two fire-heated hotbed demonstrations were conducted with an average production of 805 plants per bushel and three sweet potato production demonstrations with an average production of 183 bushels of marketable potatoes per acre. One harvesting demonstration was given in proper handling and field grading of sweet potatoes harvesting 350 bushels.

Marketing

A splendid effort was made in the improvement in grading and handling of truck and the marketing of the crops during the year, especially with watermelons and cucumbers.

A. A. A. Activities

The Conservation payment on the 1947 program was made during Dec. Jan. Feb. and March of this year. A total of 720 checks were issued to owners, renters and sharecroppers for a total of \$69,922.85.

1946 Program

The organization meetings for the 1947 program were held during December 1946. The County Committee was organized with W. M. Terry Sr, Chairman, D. S. Cone, Vice-Chairman, and J. W. Bryan regular member.

The County Office is in the Courthouse and is supervised by H. B. Barker, County Administrative Officer. Field work was simplified this year by measuring in the office only those crops affecting payments.

Peanuts

A total of 2,500 acres of peanuts were planted for oil purposes. Yields are fair to good, however some peanuts have been lost in the stacks due to rot. Excessive rainfall penetrated stacks causing rot. Yields of remaining peanuts are the best ever, and grade is excellent.

U.S. D. A. Council

This Council is composed of all Agricultural Agencies in the County. The Home and Farm Agents are both members. Meetings are called when necessary to discuss important matters. At first we met monthly, however very few meetings are called now.

A. A. A. Activities (Continued)Marketing Quota Referendum

A peanut market referendum for 1948 was held Dec. 9, to determine if peanut growers were in favor of an acreage control for 1948. One hundred thirty-nine farmers voted favorably, none against.

1948 Program

The 1948 program provides an allotment for tobacco and a support price for irish potatoes where a farmer does not plant more than three acres without an allotment. The definite 1949 program has not been announced to date. Perhaps there will be a control on peanuts during 1949.

Publicity

Publicity work and the distribution of educational information in 1948 in Allendale County was done through circular letters, news articles, and bulletins. A summary of work done in this connection is as follows:

Summary Publicity Work

| | |
|-----------------------|--------|
| Individual Letters | 294 |
| Circular Letters | 39 |
| Copies Mailed | 11,204 |
| News Articles | 32 |
| Bulletins Distributed | 299 |

Circular Letters: A total of 39 letters were prepared and 11,204 copies mailed to farmers and 4-H boys in Allendale County in 1948. These letters contained educational information, notices of meetings, and results of demonstrations and experiments. Specimen copies of circular letters are attached to this report.

Bulletins Distributed: A total of 299 bulletins were distributed to farm men, women, boys and girls of Allendale County during the year.

News Articles: Thirty-two articles on timely information were printed in the two local news papers during the year. Specimen copies are attached to this report.

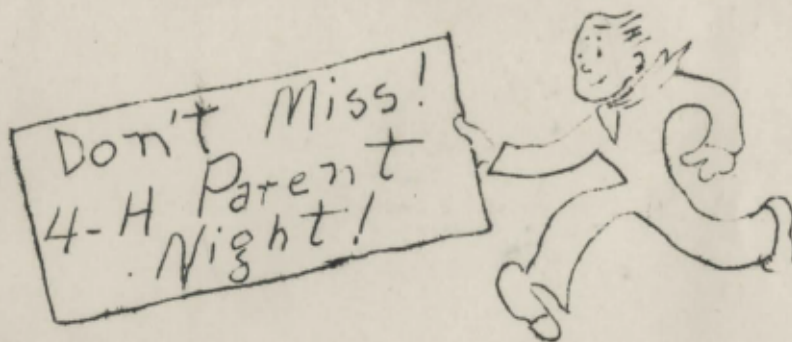
ON THE FOLLOWING PAGES WILL BE FOUND
SPECIMEN COPIES OF CIRCULAR LETTERS
ISSUED DURING THE YEAR.

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

ALLENDALE, S.C.
FEB. 6, 1948

EXTENSION SERVICE



DEAR 4-H BOYS, GIRLS, AND PARENTS.

YOU ARE INVITED TO ATTEND A 4-H CLUB AND PARENT
NIGHT SUPPER AT THE FAIRFAX COMMUNITY HOUSE FEBRUARY 12TH AT
7:30 P.M..

FREE SUPPER WILL BE GIVEN!

THIS LETTER IS YOUR ADMISSION!

YOURS VERY TRULY,

Mamie Sue Hicks C. B. Seanson, Jr.

MAMIE SUE HICKS
C.H.D.A.

C.B. SEARSON, JR.
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

Allendale, S.C.
January, 28, 1948

"I CAN'T CATCH ALL
THE RATS - SO WHY
NOT HELP ME
WITH RAT POISON"



Dear Farm Families:

RATS WASTE FOOD, ENDANGER LIFE! - KILL 'EM!!

Loss of rats in South Carolina is estimated at 5 to 10 million dollars a year. What is Allendale County Loss? Too much to give to feed the rats. Let's Wage War on these Rats! - WHEN? - NOW! - Allendale County is conducting a Campaign to get rid of the "Rats". Sign now, January 26th to February 10th for a 3-pound package at the Home Agents' Office, or with the Committeemen, or women that call upon you in your community, or either you may write the Home Agent. The 3-pound package is the same as last year. Let's all join together and save. The loss caused by rats exceeds 10 million dollars annually. I believe you can use this money saved, to better use. Don't you?

You will receive a card telling you when to get the poison.

Yours very truly,

Mamie Sue Hicks
Mamie Sue Hicks
Co. Home Demonstration Agent

C. B. Searson
C. B. Searson, Jr.
County Agent



83
Allendale, S.C.
January 26, 1948

KILL RATS

By Poisoning!

Dear Leaders:

Everyone in the County Waging War on their Rats -- Rats!

WHY? 1. To help improve your health condition.

2. To Save Food - Your grocery bill for Rats is very high! - About five bushels of grain - Hams - chickens, and everything good.

WHEN * Orders will be taken from January 26th to Tuesday, February 10th. 3 pounds for \$1.00 - the same as last year.

Leaders, you were selected at your last club meeting to take the orders and come to Allendale February 20th to help with mixing, and carry it back to your homes for the people to get.

CAUTION: When taking orders, be sure to get the money!. No orders will be filled without the money. Keep name and money together. You as leader will keep a list and give this office one. If it is more convenient for them to give their order at the Home Agents' Office they may do that. Be sure to keep me posted as to the number.

This Campaign is for White and Colored people. Let your goal be 100% against Mr. Rat!

Yours very truly,

Mamie Sue Hicks
Mamie Sue Hicks
Co. Home Dem. Agent

C. B. Soarson, Jr.
C.B. Soarson, Jr.
County Agent

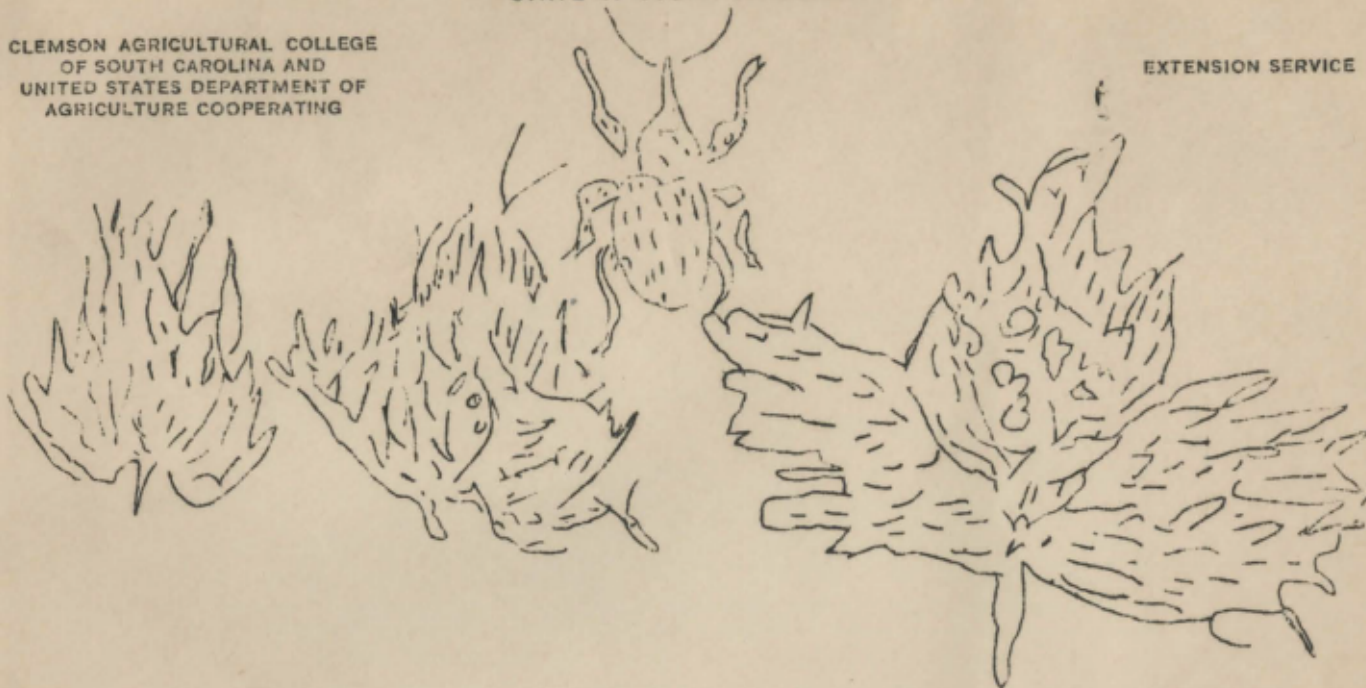


81
COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

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

EXTENSION SERVICE



Allendale, S. C.
Jan. 13, 1948

TO ALL COTTON GROWERS:

Several organic dusts gave outstanding results last year in controlling boll weevils during mid and late seasons. These dusts were not tried in early boll weevil control as they were not available.

Dusts should be used at five day intervals, applying 4 to 10 lbs. per acre depending upon the growing season and per cent of infestation.

Interested farmers should obtain more information from my office before purchasing dusts. Dusts and dusters are available now, but in all probability will be very scarce later on. I feel sure this is a new project well worth your consideration.

If interested, secure dusts and dusters now.

CBS.m

Yours very truly,
C. B. Scarson Jr.
C. B. Scarson Jr.,
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

DON'T TAKE
CHANCES -
GET LATEST
INFORMATION

Allendale, S. C.
Jan. 13, 1948



TO ALL FARM FAMILIES:

How would you like to grow cotton again and not be worried about boll weevils? This now is being done! Attend your County Outlook meeting Friday Jan. 16th at 2:00 P. M., and get full particulars.

Mr. A. H. Ward, District Agent, will discuss farm prices, fertilizers, cotton, and livestock. Be present; ask your questions and see what has been done.

Then too, interest in home gardens should continue at an even higher level in 1948, to insure the health of the family. Miss Conner, Assistant District Agent, and the County Agricultural Chairman will discuss the Food Outlook at this meeting.

Health and Medical Care

The accident death rate among farm people is high. Farm work accounts for more than half of the accidents. There has been a marked increase in spending for medical care among all farm families in the southern states. This would seem to indicate a greater demand by farm families for medical care. Miss Conner and the County Health Chairman will discuss this subject at the County Outlook Meeting. Nutrition and Enrichment Program will be discussed by Miss Conner and the Council President.

Remember 2:00 P. M. Friday Jan. 16th at the Allendale County Court room. Plan now to be present!

Yours very truly,

C. B. Searson Jr.
C. B. Searson Jr.,
County Agent

Marie Sue Hicks

Marie Sue Hicks
C. H. D. A.

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

Allendale, S. C.
April 28, 1948

TO ALL ALLENDALE COUNTY 4-H CLUB BOYS:

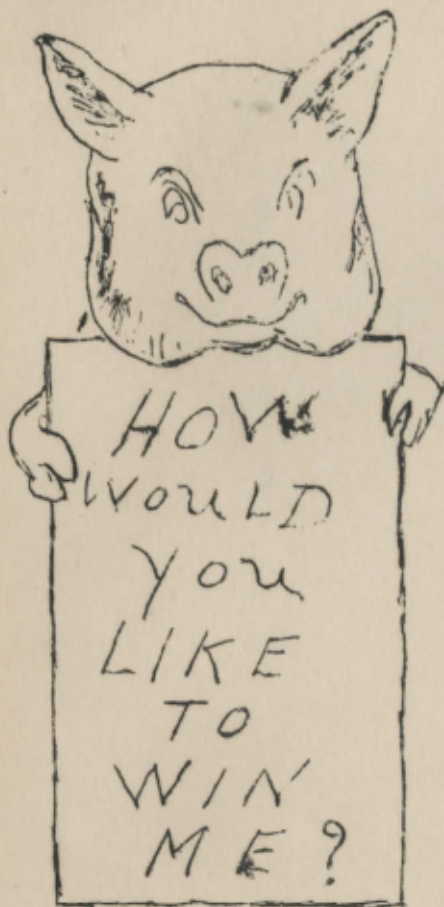
Mr. W. F. Barnes recently notified me that he will again donate a registered Duroc Gilt to one Allendale County club boy during 1948.

This pig, on Mr. Barnes request, will be given to that boy who during 1948 completes the most successful corn production project. Grow your own corn, then win the pig! Abundant food, a quilt, a litter of pigs and you are in the hog business on your own.

Now's the time to plant; fertilize liberally, space rows relatively close, cultivate when needed, and top dress early. All of these tend to increase production. Your immediate cooperation and support will be a stimulus to Mr. Barnes and his interest in club work. A large number participating will show that you as club members appreciate his continued interest and support.

Yours very truly,

C. B. Searson Jr.
C. B. Searson Jr.,
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

Allendale, S. C.
May 11, 1948



TO ALL ALLENDALE COMBINE OPERATORS:

A Combine Adjustment and operation demonstration will be given at 10:00 A. M. Friday May 14, at Herndons Stock Yards , Fairfax.

M. C. McKenzie, Clemson College Machinery Specialist will be on hand to conduct the demonstration along with local machinery dealers. Lubrication Engineers from several petroleum companies will be present to aid you with your problems.

All combine owners, operators and interested persons should make an all-out effort to attend and see and learn how to save time: save grain: and save money using your combine.

Yours very truly,

C. B. Searson Jr.

C. B. Searson Jr.,
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

Allendale, S. C.
June 9, 1948

EXTENSION SERVICE

TO ALL WATERMELON GROWERS:

Anthrachnose is present in most fields now, in ever increasing amounts. A little carelessness, neglect and wet weather can quickly cause another crop failure. But on the other hand copper dust, care, and caution can control anthracnose. Be sure to stay out of fields when wet, or even damp.

When dusting use a 7-8-9-or 10 percent tribasic copper dust or diathane at the rate of 30 lbs. per acre per application. Weather conditions will determine how often and how many times you must dust. Generally three to four times is sufficient. Be sure to cover the vines and leaves, when dusting, with a fine coat of dust. This means the under surface of the leaves also. Shaking from a thin sack will prove almost useless, a mechanical duster of some kind is most essential. Airplanes perhaps are the most effective.

If when turning vines the heap rows are spaced closer than usual, a good tractor duster with the nozzle turned out and up, would do a fair job.

Shortly you will begin shipping. This year, let's ship only ripe, disease free, quality melons that have been carefully handled from the fields to the cars. Annually 10 % of our melons are lost in transit. Green, roughly handled, over ripe, under size, low quality, diseased melons, take their toll when the price is determined. This year, let's try and improve the pack, quality and size of all melons shipped.

For further help or information, contact my office.

Yours very truly,

C. B. Searson Jr.

C. B. Searson Jr.,
County Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
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Allendale, S. C.
Feb. 16, 1948

EXTENSION SERVICE

TO ALL TRACTOR OWNERS:

On Wednesday February 18th at 2:30 P. M.,
we will hold another tractor maintenance school at the Legion
Hut in Allendale.

Mr. R. L. Willis, and Mr. M. C. McKenzie of
the Clemson Extension Service will demonstrate simple adjustments
and corrections that tractor operators can make, thereby getting
more tractor efficiency.

Remember the time, place, and date. Come and
bring your tractor drivers.

Yours very truly,

C. B. Searson Jr.
C. B. Searson Jr.,
County Agent



COTTON LETTER

PRESENTING TIMELY INFORMATION

ON ALL PHASES OF COTTON PRODUCTION

Allendale, S. C.
Oct. 11, 1948

Since we have had heavy rains throughout a large part of the state, farmers are urged by Mr. Sam Williams, Clemson Ginning Specialist, not to pick cotton until it has had a few days to dry out and bleach. This procedure will improve the grade considerably. Also farmers are urged not to try to gin storm damaged cotton while it is damp. Regardless of whether or not a gin is equipped with a dryer it will not make as good a sample as if the cotton is dried in the sun. Many ginners will do a good job on trashy, storm cotton if it is relatively dry, but farmers should not expect the impossible of the ginners. Destroy all cotton stalks just as soon as picking is complete. Lets strike back at the boll weevils.

ATTENTION CERTIFIED SEED GROWERS: At the request of Mr. R. H. Garrison, who is in charge of the South Carolina Seed Certification Service, the following information is passed on to you. "Before certification can be completed on your cotton seed, it is necessary that it be put in condition (properly cured) for sale and have an official sample drawn for laboratory analysis. If you are to have your seed delinted or reginned and treated, do this prior to the time that the sample is drawn. It is our recommendation that seed be so handled if you desire to put out a top quality product. This should be done as early as possible since it is our experience that good quality seed will move early in the year. Do not treat more seed than you expect to sell or use for your own planting, since treated seed cannot be sold to oil mills or fed to livestock.

C. B. Searson Jr.
C. B. Searson Jr.,
County Agent

ON THE FOLLOWING PAGES WILL BE FOUND
SPECIMEN COPIES OF PRESS ARTICLES
ISSUED DURING THE YEAR.

MR. FARMER:

Do your part to destroy the rats around your home and farm. That annually costs millions of dollars in feed loss and property damage and are besides a menace to health.

Farmers of Allendale County are joining in a rat eradication campaign in February and the participation and cooperation of every one is necessary for its success.

Your County Agent, in cooperation with the Extension Service of Clemson College, provides the following information in regard to the campaign in Allendale County.

1. Poison to be used consists of red squill mixed with frozen fish.
2. This poison is aimed at so-called "wharf R_ats" or "barn rats", not mice. It is not harmful to farm animals.
3. The poison may be secured at your country neighborhood store or in Allendale at \$1.10 per package. One package being sufficient for the average size farm.
4. The poison should be bought not later than Wednesday, February 4th.
5. On Wednesday, February 18th, the poison is to be put out simultaneously on every farm in Allendale County, placed in all buildings or other places frequented by rats. The success of the campaign depends upon the cooperation of everyone in following the program.

AVAILABLE FOR 1948

To control boll weevils during 1948 farmers will use 5% DDT- 3% Gamma Benzine Hexachloride, chlorinated champhene, and in some cases chlordane at a minimum strength of 10%. Even though chlordane proved to be very effective when used last year. It is recommended to farmers for 1948 on an experimental basis only. All of the above dusts should contain 40% sulphur for suppression of red spider. Average rate of application should be 10 pounds per acre.

B. H. C. is not recommended next to or where root crop will be grown for two years; for instance peanuts, carrots, beets, or potatoes.

Where weevils generally cause heavy damage early in the season 1-2 or 3 early applications might prove profitable. The old 1-1-1 mixture for early mopping is still recommended. When 10% infestation is evident, dusting should start at 5 day intervals until infestation is brought under control. Two application are usually sufficient, however in extreme cases 3 may be necessary.

There still needs to be much work done with these new dusts. As you note chlordane is recommended for experiments only. However farmers using B.H. C. last year report increases in yields averaging around one-half bale per acre. It must be remembered that dusts alone will not make cotton. Dusts properly applied when needed, aid in controlling boll weevils.

WINTER LEGUMES

It is now time to begin preparing land for small grains and winter legumes.

Lets cover all fields with a "blanket of green" by Christmas.

Blue Lupine in the past has definitely proven to be very beneficial even though many farmers experienced real difficulty in securing good stands of cotton this year following lupine. This was true even where no lupine had been turned green.

Lupine does best when planted in October. Be sure to treat all seed-
ing planted just before seeding with with several times the required amount of inoculation. Inoculation is essential for successful growth of nodules which store nitrogen in the soil.

FARMERS WEEK AT CLEMSON

The week of August 23-27 has been designated as farmers week at Clemson. This is the first time since before the war that farmers, with their families have been invited to Clemson as a group.

This trip can be well substituted for a vacation and at the same time afford farm families an excellent opportunity to hear and see what is being done at Clemson and in the south for farmers, farm families, and for the advancement of agriculture in the south.

The entire cost for the week at Clemson will be as follows: 50¢ per person for lodging; this is for the entire week; 50¢ per meal for breakfast; 65¢ for dinner and 65¢ for supper. Person expecting to attend are requested to contact the county or home agent as soon as possible in order that lodging arrangement can be made.

LOCAL MELON GROWERS RAISE NEW TYPE MELON

J. B. O'Neal of Fairfax and W. E. Myrick of Ulmers have during this season grown a new variety of melon, developed at the Truck and Vegetable Laboratory in Charleston, S. C.. These melons are of the Harrison type, having eating quality and sugar contents similar to Garrison but with supposedly better shipping quality. Plants and melons prove to be very hardy with absolutely no sign of wilt or anthracnose.

EDISTO-SAVANNAH FAT STOCK SHOW

The Edisto-Savannah Fat Stock Show and sale will be held in Fairfax again this year. All cattle and hog feeders. 4-H club boys, girls, FFA and GHA members please take notice.

Calves to be shown as individuals have to be dropped in one of the seven counties comprising the show area.

If interested, see the county agent or the agricultural teacher.

THE COUNTY AGENT SAYS

Watermelons are reminded that annually Anthracnose destroys hundreds of acres of melons needlessly. Have you, in the past, been one of these unfortunate farmers? If so, this year try these few simple precautions: Plant only treated seed. When thinning leave only thrifty plants.

Thinning, cultivating and vine turning and all other work in the melon fields, should be done during that part of the day when the turning and all other work would not spread anthracnose spores.

Spores are transmitted when in solution with water only. At the first sign of anthracnose dust your fields thoroughly with a 6- or 7% copper dust using 20 to 30 pounds per acre depending on the amount of vines present.

THIRTY TONS OF AMMONIUM NITRATE AVAILABLE FOR ALLENDALE FARMERS

The Tennessee Valley Authority has recently allocated approximately 30 tons of T. V. A. Ammonium Nitrate to Allendale County farmers. This Ammonium Nitrate is to be used for fall applications of nitrogen for permanent pastures and winter grazing crops only.

All farmers who have permanent pastures and winter grazing are eligible. If interested, please apply at the county agents office now.

Materials will be available only to those farmers who are willing to conduct extension demonstrations submitting complete records to this office.

Materials can not be used on small grains to be harvested, but on those that are to be grazed then turned for cover crops and permanent pastures. Materials will be allocated by the Executive Committee of the County Agricultural Committee.

FARMERS MUST ACT NOW TO RELIEVE FUTURE FEED SHORTAGE

Unfavorable weather conditions during the past fall, and even now, have greatly reduced the prospect and acreage of all small grains in South Carolina. Unless farmers plant grazing crops such as Pearl Millet, Sudan Grass or some other quick growing grazing crop, their feed supply generally will be extremely short. A small variety of any early variety corn, for instance Truckers Favorite, will greatly aid in this food shortage. It is quite possible that small grains seed now might make satisfactory yields, providing weather conditions are favorable.

NEWS ARTICLE4-H COUNCIL MEETING

4-H boys and girls and their parents attended the 4-H Council Meeting and barbecue supper at the Fairfax Community House February 12 at 7:30 P. M., Ned Stevenson, Council President, presided over the meeting. Mr. Smith, Boys' Club Agent, let the group in singing "America" and the 4-H Club Grace. Five girls of the Ulmers 4-H club assembled the 4-H emblem giving the meaning of each H in the pledge. Edwin Priester gave a report on the pig he received last year for outstanding 4-H work. The pig was given by Mr. Forrest Barnes. He sold four pigs for \$180.00, keeping three pigs for breeding and has seven small pigs. This year Mrs. Forrest Barnes presented the pig to Carolyn Johns for outstanding work.

Janie Mae Connelly, Fairfax 4-H Club spoke on- "The Value of Contest to Her".

Mrs. Dan Warren of Allendale spoke on "Typical Farm Life", saying the farm boys and girls and their parents enjoy the advantages of the town people together with the wholesome life and opportunities of the farm, that town and city people do not have the privilege of enjoying.

Mr. James Brandt spoke on - "Farming a Profession", saying farming topped the list of outstanding professions.

Harold Kirkland rendered several musical selections during the supper.

The Fairfax Glee Club directed by Mr. Ben Ehrhardt gave three numbers "Swing Low Sweet Chariot", Rig-a-jig-jig" and "Now the Day is Over".

Roberta Wengrow of Allendale, Council Secretary, introduced the guests,

Miss Bertha Barker, Mrs. Horace Cone, Mr. Chitty, Mr. Keller, Mr. Romaine Smith, Mr. J. D. Livingston, the members of the 4-H Committee, Mrs. F. M. Craddock, Mrs. Forrest Barnes, Mr. Carl O'Neal, Mr. W. M. Terry Jr., also Mr. J. D. Livingston, also the people who made the supper possible by donations, Mrs. C. O. Gray, Mr. James W. Glenn, Thomas & Howard, Mr. Kid Parnell, Mr. George Frazzell, Mr. B. C. Pendarvis, Mr. J.S. Spigner, Mr. Joe Folk, South Carolina Power Co., Mr. J. M. Thomas, Mr. B. B. Best, Mr. Bus Herndon, and the Fairfax Lions Club. Officers for the 4-H Council were elected for the year 1948. Harold Kirkland, President, Edwin Priester, Vice-President, and Barbara Jean Connelly, Secretary.

Ned Stevenson, outgoing president expressed his appreciation to the Council members for their cooperation. Harold Kirkland, the new president was asked to take the chair. He expressed his appreciation to the Council for electing him their new president and asked their cooperation. The meeting adjourned.