

1948

1948 Cherokee County Extension Service Report

Clemson University Cooperative Extension Service

T. B. Lee

L.J.P. Stonle

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PROPERTY OF
EXTENSION SERVICE
OF SOUTH CAROLINA

ANNUAL REPORT

COUNTY AGENT WORK

CHEROKEE

County

SOUTH CAROLINA

1948

T. B. LEE

County Agent

L. J. P. STONE

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 AGENT WORK

CHEROKEE COUNTY, SOUTH CAROLINA

1948

T. B. LEE, COUNTY AGENT

L. J. P. STONE, ASST. COUNTY AGENT

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SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

General Activities

| | |
|---|--------|
| Days Agents spent in Office | 154 |
| Days Agents spent in Field | 440 |
| Days Agents Worked | 594 |
| Miles Agents Traveled | 15,800 |
| Farm Visits | 1,063 |
| Different Farms Visited | 661 |
| Office Calls at Agents Office | 2,172 |
| Telephone Calls at Agent's Office | 1,005 |
| Meetings Held or Attended | 267 |
| Attendance at these Meetings | 11,223 |
| Number Communities where Extension Work Conducted | 10 |
| Number Farmers Conducting Demonstrations | 114 |
| Number Voluntary Community and Neighborhood Leaders Assisting with Extension Program | 161 |

Assistance Voluntary Leaders

Community leaders in 10 communities and neighborhood leaders in 42 neighborhoods assisted with the development and conducting of the 1948 Extension Program, ~~and also gave assistance in the emergency.~~

Agricultural Economics

Outlook information was kept before farmers of the county by means of the county-wide outlook meeting and group meetings, and by news articles, radio talks, and by distribution of the Extension Circular. Cooperation was given Farm Credit Agencies in their work of extending credit to farmers.

Agricultural Engineering

Conducted educational work with 15 organized soil conservation communities with which 61 farm plans covering 7,479 acres were completed.

Assisted with Spartanburg-Herald Journal Soil Conservation Contest, in which Midway community in Cherokee County was judged the winning community.

Conducted educational phases of terracing program in which 890,860 linear feet of standard terraces were constructed on approximately 1711 acres.

Cooperated with Broad River Electric Cooperative in its work of supplying current to approximately 625 members on approximately 200 miles of lines in Cherokee County.

Made farm building plans available to farmers as they were requested.

Arranged two tractor and two combine schools to better acquaint owners and operators with the best methods of care and operations of these machines.

Agronomy

Completed 19 five-acre cotton improvement demonstrations, showing average yield of 794 pounds lint at a cost of 15.5 cents per pound. Organized One-Variety Cotton Improvement Association to make all farmers in county eligible for Smith-Doxey Classification.

Conducted five-acre corn contest in cooperation with Gaffney Chamber of Commerce with 8 farmers averaging 63 bushels per acre at a cost of 71 cents per bushel.

Completed one barley, two oats, two wheat, one lespedeza seed, three lespedeza hay, two alfalfa hay, two silage, two permanent pasture, two winter grazing demonstrations. These demonstrations showed the value and practicability of these enterprises in Cherokee County.

Conducted intensive campaign for more and better annual grazing and permanent pasture with result that the acreage of these crops has been increased five-fold and the yield and quality has also been increased several times.

Conducted educational work in soil-building in cooperation with AAA.

Animal Husbandry

Worked with adult beef and swine production in giving assistance on feeding and management problems, and conducted 4-H pig production demonstrations.

Dairying

Carried on educational and demonstration work in feed production and pasture development.

Placed 6 purebred dairy animals with 5 farmers at a cost of \$1,310.00.

Assisted 4-H club members and a few adult farmers with artificial breeding.

Carried on 4-H Club dairy calf demonstrations.

Continued work with milk route which delivered approximately a million pounds of milk to evaporating plant, valued at approximately \$40,000.00.

Entomology and Plant Pathology

Conducted active campaign throughout among peach growers for control of Curculio, scab, brown-pot, scale, peach borer, Oriental fruit moth, and other insects and diseases. Conducted intensive coordinated campaign for the control of boll weevil, using the newer organic insecticides. Supplied information on use rotenone, DDT and Ceresan and other control measures for various types of insects and plant diseases.

Conducted transferring, requeening, and yard management demonstrations with beekeepers.

Forestry

Woodland examinations were made on 5 farms, covering 2113 acres.

Assisted 59 farmers in obtaining and planting 190,000 pine seedlings.

Conducted Arbor Day Programs in two schools with 1200 in attendance, and held forestry programs in 23 4-H Clubs

Gave publicity to Fire Prevention Week, and assisted in educational work on fire prevention throughout year.

Distributed 10 pounds Cork Oak Acorns.

4-H Club Work

22 community Boys 4-H Clubs, with a total of 399 members, were conducted during the year and 205 boys completed demonstrations with projects divided as follows: Corn 33; Soil and Water Conservation 1; Cotton 12; Home Gardens 17; Market Gardens 1; Poultry 67; Dairy Cattle 9; Swine 45; Beef Cattle 9; Game Birds 20. The total value of the products produced was \$25,519.54, cost \$14,051.12, and profit \$11,469.62.

163 club members attended the County 4-H Camp, The County 4-H Council, with a total membership of 833, held one Rally Day meeting. One 4-H Officers' and Leaders' meeting and Banquet was held. Five boys and five girls secured 1000 baby chicks in the Sears-Roebuck Foundation Demonstrations. Two Older Youth Clubs held monthly meetings.

Horticulture

Conducted educational work with home gardens and truck crops.

Worked in close contact with commercial peach growers, giving assistance in insect and disease control, general orchard management, and marketing.

Marketing

Assisted in buying and selling directly for 401 farmers Sweet Sudan grass seed, Dallis Grass seed, Autauga seed, Clover seed, Ladino Clover seed, Alta Fescue seed, Sweet Sorghum seed, Sweet Potato seed, Pigs, Pullets, Chicks, Poultry, Dairy Cattle, Queen Bees, Forest Seedlings, Louse Powder, Rat Poison, Ammonium Nitrate, valued at \$6,175.53.

Worked with milk routes which sold approximately one million pounds of milk with a value of approximately \$40,000.00.

Poultry

Assisted 7 turkey growers in growing out approximately 27,000 birds, valued at \$270,000.00.

Assisted 4 poultry flock improvement demonstrators in producing 16,189 dozen hatching eggs, valued at \$12,865.28.

Conducted educational work in general poultry production and carried on 4-H poultry club work.

Visual Instruction

Showed motion pictures and slides to 2,700 people at 77 meetings.

Publicity

Wrote 959 individual letters; mailed 7,981 copies, of 53 circular letters, prepared 195 press articles; made 66 radio talks; and distributed 2,130 bulletins.

A.A.A. Activities

Served as advisory members of county conservation committee under which farmers obligated 100 per cent of the total soil-building allowance for the county, using 210,000 feet of standard terraces; 3640 tons of limestone, and 439 tons of superphosphate, along with other soil-building practices.

Miscellaneous Activities

Engaged in various activities in cooperation with American Red Cross, Rotary Club, Cherokee County Pomona Grange, Piedmont Interstate Fair Association, and Cherokee County Quail Project.

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

1. County Agricultural Committee

a. The members of the County Agricultural Committee were selected so as to include representative farm men and women from various parts of the county, and at the same time to have all types of farming represented on the committee. To this group of farm people has been added the official representatives of the various agricultural agencies active in the county and the governing boards of the Cherokee County Pomona Grange, and the Cherokee County Farm Bureau.

b. Voluntary County, Community and Neighborhood Leadership Organizations

The Cherokee County Agricultural Committee is composed of the following:

- | | |
|----------------------|--------------------|
| W. C. Camp, Chairman | Gaffney, S. C. R-3 |
| T. B. Lee, Secretary | Gaffney, S. C. |

Farm Members

- | | |
|----------------------|------------------------|
| J. Earnest Atkinson | Gaffney, S. C. R-2 |
| Joe C. Black | Gaffney, S. C. R-5 |
| W. F. Byars | Gaffney, S. C. R-4 |
| Geo. W. Bridges | Blacksburg, S. C. |
| A. S. Goude-lock | Gaffney, S. C. R-5 |
| O. M. Green | Gaffney, S. C. R-3 |
| W. Ross Hambright | Kings Creek, S. C. R-1 |
| Arthur Gettys | Gaffney, S. C. |
| J. W. Lipscomb | Gaffney, S. C. R-4 |
| Chas. R. Hammett | Gaffney, S. C. R-3 |
| J. Britton Harris | Gaffney, S. C. R-6 |
| J. Endsley Humphries | Gaffney, S. C. R-4 |
| Mrs. G. G. Inman | Gaffney, S. C. R-6 |
| A. W. Love | Kings Creek, S. C. |
| Geo. LeMaster | Gaffney, S. C. R-6 |
| W. J. Martin, Sr. | Blacksburg, S. C. R-2 |
| Mrs. Blucher McCraw | Gaffney, S. C. R-1 |
| T. L. Putnam | Grover, N. C. R-1 |
| W. J. Sprinkle | Cowpens, S. C. R-1 |
| Mrs. C. F. Swofford | Gaffney, S. C. R-3 |
| R. C. Swofford | Gaffney, S. C. |
| Mrs. Lloyd Tindall | Gaffney, S. C. R-4 |
| J. C. Webber | Blacksburg, S. C. R-1 |
| Mrs. E. L. Wylie | Blacksburg, S. C. R-1 |
| J. Baxter Wood | Gaffney, S. C. R-2 |
| Mrs. Dewitt Moss | Blacksburg, S. C. R-1 |

Agency Members

| | |
|--------------------|---|
| W. D. Hall | Farm Credit Administration |
| W. A. Hambright | Production Credit Association |
| E. C. Pickens | State Forestry Service |
| G. Wayne LeMaster | Soil Conservation Service |
| W. E. Mullins | Agricultural Adjustment Administration |
| T. B. Lee | Extension Service |
| Dan Gambrell | Farmers Home Administration |
| Miss Teresa Caskey | Home Demonstration Department |
| Miss Gladys League | Home Demonstration Department |
| W. H. Plumblee | Vocational Agricultural Department |
| L. J. P. Stone | Extension Service |
| T. L. Neal | Rural Electrification Administration |

Executive and Sub-Committees

The following Executive and Sub-Committees of the County Agricultural Committee have been appointed for 1947-1948:

Executive Committee

W. C. Camp
T. B. Lee
R. C. Swofford
J. Baxter Wood
W. Ross Hambright
J. Endsley Humphries
Mrs. G. G. Duman
Geo. LeMaster
Mrs. W. A. Hambright

Foods and Feed Production

J. Baxter Wood
L. J. P. Stone
W. F. Byars
Mrs. C. F. Swofford
O. M. Green
T. L. Putnam
Geo. LeMaster
E. E. Parris

Marketing

R. C. Swofford
W. J. Sprinkle
J. Britton Harris
T. L. Neal
W. H. Plumblee
L. J. P. Stone
Mrs. Perry Robbs
William Hambright

Farm Labor Committee

W. J. Martin
R. C. Swofford
J. Endsley Humphries
Mrs. G. G. Inman
T. B. Lee

Soil Conservation

W. Ross Hambright
Wayne Lemaster
J. Earnest Atkinson
A. S. Goudelock
J. W. Lipscomb
C. F. Swofford
W. E. Mullins

Pastures and Livestock

J. Endsley Humphries
Dan Gambrell
W. Ross Hambright
J. Baxter Wood
W. J. Martin
Joe C. Black
H. C. Moore
T. B. Lee

Forestry

Geo. Lemaster
E. C. Pickens
R. C. Swofford
A. W. Love
Chas. R. Hammett
Geo. W. Bridges
S. B. Vassy
William Price
W. D. Hall

Food Conservation

Mrs. G. G. Inman
Miss Teresa Caskey
Mrs. Blucher McCraw
Mrs. Lloyd Tindall
Mrs. C. F. Swofford
Mrs. E. L. Wylie
Mrs. W. A. Hambright
Mrs. Dewitt Moss

Four-H Club

W. C. Camp
Mrs. Dewitt Moss
Zeb V. Whelchel
H. L. Frieze
G. C. Stowe
Mrs. B. B. Godfrey
Miss Gladys League
L. J. P. Stone

W. C. Camp, Gaffney, S. C. R-2, and Mrs. Dewitt Moss, Blacksburg, S. C. R-1, were elected as representatives on the State Agricultural Committee.

c. Duties County Agricultural Committee

It is expected of the County Agricultural Committee that it study the various agricultural problems and needs of the county, and that it advise and cooperate with the various government agencies as they plan together to meet the needs and further the development of the agriculture in the county, thus acting as a coordinating medium through which all agricultural programs for the county may originate and be developed.

The County Committee, composed of the county chairman, and the chairmen of the various sub-committees have been instructed by the County Committee to act for the entire committee throughout the year in the various problems when deemed necessary by the Extension Committee.

2. Community Agricultural Committees and Neighborhood Leaders

Organized Communities and Neighborhoods

a. The County Agricultural Committee has divided the county into ten communities and the communities have been divided into forty-three neighborhoods with appropriate community and neighborhood committees, as follows:

Blacksburg Community: Community Committee of 19 members with W. R. Hambright, Kings Creek, S. C. R-1, as Chairman, and Neighborhood Committees as follows:

| | | | |
|---------------------|------------|--------------------|-----------|
| <u>99 Island</u> | 3 members | <u>Cashion</u> | 3 members |
| <u>Oak Grove</u> | 4 members | <u>Kings Creek</u> | 3 members |
| <u>Hamburg</u> | 3 members | <u>Antioch</u> | 5 members |
| <u>Holly Grove</u> | 4 members | <u>Mt. Paran</u> | 3 members |
| <u>Rock Springs</u> | 3 members | <u>Buffalo</u> | 4 members |
| <u>Blacksburg</u> | 4 members. | | |

State Line-New Pleasant Community: Community Committee of 13 members with W. J. Sprinkle, Cowpens, S. C. R-1, as Chairman, and Neighborhood Committees, as follows:

| | | | |
|---------------------|------------|---------------------|-----------|
| <u>Butler</u> | 3 members | <u>New Pleasant</u> | 6 members |
| <u>Chestnut Oak</u> | 3 members | <u>State Line</u> | 5 members |
| <u>Chesnee</u> | 3 members. | | |

Ashworth-Fairview Community: Community Committee of 7 members with Charles R. Hammett, Gaffney, S. C. R-3, Chairman, and Neighborhood Committees as follows:

| | | | |
|-----------------|-----------|-----------------|-----------|
| <u>Ashworth</u> | 5 members | <u>Fairview</u> | 3 members |
|-----------------|-----------|-----------------|-----------|

Grassy Pond Community: Community Committee of 12 members, with J. Earnest Atkinson, Gaffney, S. C. R-2, as Chairman, and with Neighborhood Committees as follows:

| | | | |
|----------------------|------------|-----------------------|-----------|
| <u>Robbs</u> | 4 members | <u>Grassy Pond</u> | 5 members |
| <u>New Pleasant</u> | 4 members | <u>Pleasant Grove</u> | 3 members |
| <u>Hickory Grove</u> | 3 members. | | |

Draytonville Community: Community Committee of 11 members with Mrs. G. G. Inman, Gaffney, S. C. R-6, as Chairman, and Neighborhood Committees, as follows:

| | | | |
|------------------|-----------|---------------------|-----------|
| <u>Sunnyside</u> | 3 members | <u>Star Farm</u> | 3 members |
| <u>ElBethel</u> | 3 members | <u>Gowdeysville</u> | 5 members |

Asbury-Timber Ridge Community: Community Committee of 12 members with Joe C. Black, Gaffney, S. C. R-5, as Chairman, and Neighborhood Committees as follows:

| | | | |
|----------------|-----------|---------------------|-----------|
| <u>Asbury</u> | 4 members | <u>Timber Ridge</u> | 3 members |
| <u>Corinth</u> | 4 members | | |

Goucher-White Plains Community: Community Committee of 12 members with Mrs. J. B. Wilkins, Gaffney, S. C. R-4, as Chairman, and with Neighborhood Committees as follows:

| | | | |
|------------------|-----------|---------------------|-----------|
| <u>Goucher</u> | 7 members | <u>White Plains</u> | 4 members |
| <u>Beaverdam</u> | 5 members | | |

Macedonia Community: Community Committee of 8 members with W. F. Byars, Gaffney, S. C. R-4, as Chairman, and with Neighborhood Committees, as follows:

| | | | |
|---------------------|-----------|--------------------------|-----------|
| <u>Sarratts</u> | 3 members | <u>Thickety Mountain</u> | 4 members |
| <u>Love Springs</u> | 3 members | <u>Macedonia</u> | 4 members |

Gaffney Community: Community Committee of 4 members with H. C. Moore, Gaffney, S. C. as Chairman, and with Neighborhood Committees, as follows:

| | | | |
|----------------|-----------|-----------------------------|-----------|
| <u>Midway</u> | 4 members | <u>Cherokee Progressive</u> | 3 members |
| <u>Gaffney</u> | 4 members | | |

Total Communities - 10 with 111 members

Total Neighborhoods - 43 with 164 members.

II.

PROJECT ACTIVITIES AND RESULTS

Agricultural Economics

Work in Agricultural Economics in 1948 consisted mainly in presenting outlook information to farmers and farm leaders, and in cooperating with farm credit agencies operating in the county.

Outlook: The various phases of the farm outlook were kept before the farmers and farm leaders of the county throughout the year. It was made the basis for the 15-point 1948 Agricultural Program. District Agent, L. B. Massey, presented the general Outlook to a county-wide meeting early in the year, and this information was further publicized through the newspapers and radio. Various phases of the outlook were discussed from time to time in community meetings of farmers, 4-H Club members and others.

Farm Situation and Outlook material prepared and released from time to time by the Agricultural Economics Extension Specialists, was mailed to members of the County Agricultural Committee as received.

Cooperation with Farm Credit Agencies: The County Agents have cooperated with the Spartanburg Production Credit Association, the Farm Home Administration, and the Federal Land Bank in their work of extending credit to farmers. This cooperating has been largely of an educational nature, advising farmers where to go to obtain credit for specific purposes.

AGRICULTURAL ENGINEERING

Agricultural Engineering in 1948 consisted of work in soil conservation, farm buildings, rural electrification, and farm machinery.

Soil Conservation

Soil Conservation work for the year was done in cooperation with the local Soil Conservation District, with the Cherokee County Agricultural Extension Board, which operates two county owned terracing units, and with the Cherokee County Agricultural Conservation Association. The Broad River Soil Conservation District which was composed of Cherokee, Union and Spartanburg Counties, was dissolved during the year, and in its place three districts were formed, each composed of one county. The local district is now known as the Cherokee Soil Conservation District, with five Cherokee farmers as Supervisors. The Soil Conservation Service cooperates with the district, and two technicians and several assistants are assigned to the county. These workers have assisted farmers with the running of terrace lines and the carrying out of other soil conservation practices. Extension workers have conducted the educational phases of the program by arranging meetings, and demonstrations which are held in cooperation with S.C.S. technicians.

Community Soil Conservation Groups: Work was continued with the fourteen organized community soil conservation groups. These organized groups provide a very effective means for contacting farmers and meeting community problems.

Soil Conservation Contest: The Soil Conservation Contest sponsored by The Spartanburg Herald-Journal in six Piedmont Counties on a community basis, was completed during the year. Extension workers in the county assisted in conducting the contest and in assembling material used by the judges in making their decisions. The Midway community was declared the winning community in both the county and the entire contest. Two of the three contest-wide prizes were won in Cherokee County.

District Farm Plans: During the year 61 farm plans covering a total of 7479 acres have been prepared by the Soil Conservation technicians working in the county, bringing the total number of plans in the county to 691 covering 79,195 acres. These plans include such practices as terracing, meadow-strips, strip-cropping, planting of kudzu and sericea. Much progress has been made in carrying out these plans, but there is still much to be done.

Terracing: Two power terracing units were operated by the Cherokee County Agricultural Extension Board with R. C. Swofford in charge of field work. A total of 210,000 linear feet, or approximately 404 acres were constructed by these machines and equipment for payment by PMA.

Approximately 680,860 feet or 1307 acres were terraced by farm tractors and heavy equipment beyond PMA allotments. This makes a total of approximately 18,126 acres on which standard terraces have been built since the terracing program started in 1935

Following is a Summary of Extension Activities in conservation:

Summary Extension Activities in Soil Conservation

| | |
|--|------------|
| 1. No. group conferences Extension and SCS technicians in county | <u>5</u> |
| a. Attendance at these conferences | <u>8</u> |
| 2. No. community meetings with Soil Conservation District work | <u>8</u> |
| a. Attendance at these meetings | <u>127</u> |
| 3. No. field meetings | |
| a. No. method demonstrations establishing practices | <u>3</u> |
| 1. 1. Attendance | <u>71</u> |
| b. No. meetings at demonstrations (observation) | <u>8</u> |
| 1. Attendance | <u>140</u> |
| 4. No. farms on which county agent assisted with soil conservation farm planning | <u>2</u> |
| 5. Informational material on soil conservation | |
| a. No. informational circular letters | <u>3</u> |
| b. No. informational news articles | <u>9</u> |
| c. No. bulletins (soil conservation) distributed | <u>310</u> |
| d. No. radio programs (soil conservation) | <u>12</u> |
| 6. Soil Conservation Program with 4-H Clubs | <u>23</u> |
| 7. No. contestants 4-H Soil Conservation Contest | <u>1</u> |
| 8. No. demonstrations to establish farm drainage | <u>0</u> |
| a. No. acres drained | <u>0</u> |
| 9. No. demonstrations maintenance drainage ditches | <u>0</u> |
| 10. No. demonstrations establish cover of summer or winter annuals or perennials for soil conservation | <u>1</u> |
| 11. No. method demonstrations farmer-built terraces | <u>1</u> |
| a. Attendance | <u>4</u> |
| 12. No. method demonstrations terrace maintenance | <u>2</u> |
| a. Attendance | <u>16</u> |
| 13. No. organized communities in county for soil conservation | <u>15</u> |
| a. No. farms in these communities | <u>235</u> |

Rural Electrification: Work in rural electrification consisted of general educational work in cooperation with the Broad River Electric Cooperative, and local power companies, and demonstrations in the use of electricity in curing sweet potatoes.

The Broad River Electric Cooperative now has a total of approximately 200 miles of lines in Cherokee County of which approximately 25 miles were added in 1948. This mileage serves approximately 625 members.

Farm Building Plans: Plans for the construction of farm buildings have been kept available for study by farmers at all times. Plans for dairy barns and granaries have been supplied several farmers who intend building this winter.

Farm Machinery: Two tractor and two combine schools were held to better acquaint owners and operators with the methods of care and operation of these machines which will give best results. Several small demonstrations were held in connection with planning and cultivating, and mowing equipment for tractors.

Irrigation: The idea of irrigation is being considered by a number of farmers in the county. Already there are three irrigation systems owned in the county, and these have been used by five different farmers.

| Irrigation Demonstrations | | | |
|---------------------------|-----------------|---------------------------|--|
| Owner | Type System | Crop Irrigated | Remarks |
| H. C. Moore | Sprinkler | Orchard | Successful |
| H. C. Moore | Sprinkler | Winter Grazing | Used by B.T. White to germinate winter grazing crop. Successful |
| E. L. McKown | Sprinkler | Summer Grazing | Successful |
| E. L. McKown | Sprinkler | Winter Grazing | Used by G.W. McKown to germinate winter grazing crop. Successful |
| W. J. Sprinkle | Perforated Pipe | Orchard and Late Tomatoes | Successful |

AGRONOMY

Agronomy work in 1948 consisted of demonstrations and educational work with cotton, corn, grain, annual grazing and permanent pastures.

Fertilizers: Fertilizer information was discussed at a county-wide meeting by District Agent, L. B. Massey. This information was also discussed in the newspapers and over the radio. The importance of early buying and the most efficient use of fertilizers was kept before the farmers of the county. Thirty tons of nitrate of soda and forty tons of TVA ammonium nitrate were distributed to farmers for use on permanent pasture and winter grazing crops.

Five-Acre Cotton Improvement Demonstrations: Nineteen farmers enrolled in this contest and completed their demonstrations, thereby qualifying the county to participate in the State, District and County contests conducted by the Extension Service. The Victor Cotton Oil Company made available \$100.00 as additional prizes for Cherokee County farmers. Most of the contestants used seed direct from the breeder.

Summary Five-Acre Cotton Improvement Demonstrations

| Name | Lbs. Seed Cotton | Lbs. Lint Cotton | Value Crop | Cost Production | Net Profit | Lint Cost P.Lb. | Variety |
|------------------|------------------|------------------|--------------|-----------------|--------------|-----------------|----------------|
| Wayne Hunt | 7,000 | 2,700 | 976.75 | 496.75 | 480.00 | 18.3 | Coker-100W.R. |
| E.L.Tate | 12,000 | 4,900 | 1,821.50 | 731.29 | 1,090.21 | 14.9 | Coker-100 St.2 |
| Bonner Bros. | 12,400 | 4,800 | 1,668.00 | 728.35 | 939.65 | 15.1 | Coker-100 W.R. |
| J.C.Bonner | 8,300 | 3,200 | 1,125.75 | 533.80 | 591.95 | 16.6 | Coker-100 W.R. |
| E.W.Jolly | 12,050 | 4,700 | 1,695.87 | 676.45 | 1,019.42 | 14.3 | Coker-100 W.R. |
| D.K.McGill | 8,000 | 3,100 | 1,194.50 | 546.00 | 648.50 | 17.6 | Coker-100 W.R. |
| R.J.Lemaster | 9,240 | 3,540 | 1,282.65 | 552.15 | 730.50 | 15.5 | Coker-100 W.R. |
| J.O.Peeler | 6,400 | 2,430 | 882.32 | 437.40 | 444.92 | 17.5 | Coker-100 W.R. |
| J.B.Wood | 9,030 | 3,480 | 1,262.70 | 527.02 | 735.68 | 15.1 | Coker-100 W.R. |
| W.B.Hayes | 13,000 | 5,000 | 1,810.00 | 765.10 | 1,044.90 | 15.3 | Coker-100 W.R. |
| Jno. B. Blanton | 6,500 | 2,500 | 1,005.00 | 469.65 | 535.35 | 18.7 | Coker-100 W.R. |
| C. F. Swofford | 12,400 | 4,735 | 1,678.77 | 747.25 | 931.52 | 15.7 | Coker-100 W.R. |
| W.H.Potter | 13,000 | 5,000 | 1,810.00 | 759.75 | 1,050.25 | 15.2 | Coker-100 W.R. |
| Geo Lemaster | 9,205 | 3,540 | 1,316.91 | 555.35 | 761.56 | 15.6 | Coker-100 W.R. |
| Joe Bob Blanton | 12,970 | 4,900 | 1,761.10 | 681.00 | 1,080.10 | 13.8 | Coker-100 |
| Webster Blanton | 13,500 | 5,100 | 1,833.00 | 681.00 | 1,152.00 | 13.3 | Coker-100 |
| Chas J. Hamrick | 11,030 | 4,206 | 1,483.58 | 690.71 | 792.87 | 16.4 | Coker-100 W.R. |
| J.Willie Spencer | 9,500 | 3,610 | 1,328.57 | 571.10 | 757.47 | 15.8 | Coker-100 W.R. |
| Haile Lemaster | 10,400 | 3,952 | 1,434.68 | 593.77 | 840.91 | 15.0 | Coker-100 W.R. |
| Totals | 196,625 | 75,393 | \$ 27,371.65 | \$11,743.89 | \$ 15,627.76 | | |

Average Yield Per Acre 794 Lbs. Estimated County Average Yield 425 Lbs.
 Average Value Per Acre \$288.17 Average Cost Per Pound 15.5

Summary Results Cotton Demonstrations 1932-1948: Following is a yearly summary of results of the five-acre cotton improvement demonstrations for the period 1932-1948.

| Summary Results Cotton Demonstrations 1932-1948 | | | | | |
|---|-----------|--------------------|----------------|---------------|-----------------|
| Year | No. Dems. | Lbs. Lint Per Acre | Value Per Acre | Cost Per Acre | Profit Per Acre |
| 1932 | 1 | 651 | \$ 52.02 | \$ 37.65 | \$ 14.37 |
| 1933 | 1 | 325 | 25.28 | 22.63 | 2.65 |
| 1934 | 3 | 609 | 98.13 | 20.30 | 77.83 |
| 1935 | 10 | 539 | 89.37 | 30.59 | 58.78 |
| 1936 | 3 | 644 | 107.26 | 29.18 | 78.08 |
| 1937 | 5 | 642 | 72.33 | 40.88 | 31.45 |
| 1938 | 9 | 624 | 77.88 | 34.52 | 43.36 |
| 1939 | 31 | 519 | 58.12 | 31.96 | 26.16 |
| 1940 | 22 | 775 | 91.35 | 35.56 | 57.31 |
| 1941 | 26 | 636 | 144.91 | 39.40 | 105.51 |
| 1942 | 21 | 897 | 214.78 | 71.13 | 143.65 |
| 1943 | 20 | 606 | 157.06 | 55.85 | 101.21 |
| 1944 | 21 | 804 | 205.56 | 81.85 | 123.71 |
| 1945 | 11 | 809 | 210.68 | 92.19 | 118.49 |
| 1946 | 13 | 732 | 274.07 | 107.63 | 166.43 |
| 1947 | 19 | 653 | 256.63 | 101.07 | 155.56 |
| 1948 | 19 | 794 | 288.17 | 123.62 | 164.51 |

This summary indicates that farmers of the county have taken an active interest in the contest itself, and in better methods of cotton production. Through the use of better seed and cultural practices both the yield per acre and the quality of cotton has improved much in this period. Breeders' seed used by the farmers who participate in this contest is increased and distributed as planting seed to other farmers. This practice has resulted in increasing the staple length of our cotton until approximately 58% of the cotton in the county is one inch or better in staple length.

Smith-Doxey Classification Groups: The county-wide One Variety Cotton Improvement Association was reorganized, making practically all cotton farmers in the county eligible for service. Seven gins qualified as official sampling agencies.

Corn Production: Work in corn production consisted of publicity on corn fertilization, the use of adapted hybrids, hybrid corn production demonstrations.

Corn Contest: Through the cooperation of the Gaffney Chamber of Commerce, which made available \$300.00 as prize money, a corn production contest was conducted to encourage the use of practices which have been shown to give high yields, viz., the use of adapted hybrid varieties, close spacing, high nitrogen fertilization, and early laying-by. This contest was conducted in two divisions - one for adults and the other for youths under 18. 8 adults and 9 boys took part in this contest. The boys' division of the contest is reported under 4-H Club Work; and there is given below a summary of the eight adults' demonstrations.

Summary Corn Production Demonstrations

| Name | Variety | Acres | Yield | Bus. | Cost | Cost | Value | Profit |
|------------------|---------|-------|-------|----------|------------|----------|------------|------------|
| | | | Bus. | Per Acre | | Per Bus. | Crop | |
| G. G. Inman | Tenn-10 | 5 | 255 | 51 | 194.76 | .77 | 382.50 | 187.74 |
| James T. Pettit | Tenn-10 | 5 | 445 | 89 | 207.00 | .47 | 667.50 | 460.50 |
| Zeno Green | Tenn-10 | 5 | 320 | 64 | 223.50 | .70 | 480.00 | 256.50 |
| D.K. McGill | U.S.282 | 5 | 275 | 55 | 202.00 | .73 | 412.50 | 210.50 |
| James Harris | U.S.282 | 5 | 300 | 60 | 210.30 | .70 | 450.00 | 239.70 |
| A.E. Brakefield | U.S.282 | 5 | 345 | 69 | 274.50 | .79 | 517.50 | 243.00 |
| Wm. E. Fowler | Tenn-10 | 5 | 250 | 50 | 190.50 | .76 | 375.00 | 184.50 |
| Chas. J. Hamrick | U.S.282 | 5 | 330 | 66 | 282.00 | .85 | 495.00 | 213.00 |
| Totals | | 40 | 2520 | | \$1,784.56 | | \$3,780.00 | \$1,995.44 |
| Averages | | | | 63 | | .71 | | |

This summary indicates that these farmers produced an average of 63 bushels per acre at a cost of 71 cents per bushel, through the use of adapted hybrid varieties and approved cultural practices. It is estimated that farmers in the county as a whole averaged approximately 22 bushels per acre.

Small Grain Production: Small grain production was greatly curtailed due to heavy rain-fall during the seeding season. The acreage seeded was far below normal and the few demonstrations conducted were not up to par. One demonstration was conducted in barley production, two in oats, and two in wheat. These are summarized below:

Summary Barley Production Demonstrations

| Name | Variety | Acres | Yield | Bus. | Cost | Cost | Value | Profit |
|----------------|---------|-------|-------|----------|-----------|----------|-----------|-----------|
| | | | Bus. | Per Acre | | Per Bus. | Crop | |
| R. J. LeMaster | Sunrise | 15 | 750 | 50 | \$ 530.00 | .71 | \$1312.50 | 782.50 |
| Totals | | 15 | 750 | | \$ 530.00 | | \$1312.50 | \$ 782.50 |
| Averages | | | | 50 | | .71 | | |

This demonstration indicates that barley production using adapted varieties and improved cultural practices is profitable on adapted soils in Cherokee County.

Summary Oats Production Demonstrations

| Name | Variety | Acres | Yield Bus. Acre | Bus. Per Acre | Cost | Cost Per Bus. | Value | Profit |
|------------------|----------|-------|-----------------------|---------------------|----------|---------------------|-----------|---------|
| J. C. Bonner | Fulgrain | 3 | 150 | 50 | 159.50 | 1.06 | 165.00 | 5.50 |
| Chas. J. Hamrick | Fulgrain | 8 | 440 | 55 | 420.00 | .93 | 484.00 | 64.00 |
| Totals | | 11 | 590 | | \$579.50 | | \$ 649.00 | \$69.50 |
| Averages | | | | 53.6 | | .98 | | |

Oat production normally is profitable in Cherokee County, although the two demonstrations listed above do not bear out this fact. Unfavorable weather conditions severely hindered oat production last year.

Summary Wheat Production Demonstrations

| Name | Variety | Acres | Yield Bus. Acre | Bus. Per Acre | Cost | Cost Per Bus. | Value | Profit |
|---------------|---------|-------|-----------------------|---------------------|---------|---------------------|---------|--------|
| M. E. Higgins | Redhart | 7 | 189 | 27 | 253.50 | 1.34 | 425.25 | 171.75 |
| W. H. Potter | Redhart | 23 | 575 | 25 | 765.90 | 1.27 | 1495.00 | 729.10 |
| Totals | | 30 | 764 | | 1019.40 | | 1920.25 | 900.85 |
| Averages | | | | 25.5 | | 1.33 | | |

These demonstrations show an average of 25.5 bushels per acre. As long as market wheat brings a good price and when wheat may be sold for seed, the enterprise brings reasonable returns. For meeting farm and home needs wheat may be produced economically in Cherokee County.

Lespedeza Seed Production Demonstrations: A few farmers normally harvest lespedeza seed for their own use and a small surplus for sale. One demonstration of this practice is reported.

Summary Lespedeza Seed Production Demonstrations

| Name | Variety | Acres | Yield Lbs. Acre | Lbs. Per Acre | Cost | Cost Per Lb. | Value | Profit |
|----------------|---------|-------|-----------------------|---------------------|----------|--------------------|--------|--------|
| C. F. Swofford | Korean | 3 | 1500 | 500 | \$135.00 | .09 | 270.00 | 135.00 |
| Totals | | 3 | 1500 | | 135.00 | | 270.00 | 135.00 |
| Average | | | | 500 | | .09 | | |

This demonstration indicates that lespedeza seed can be profitably produced in Cherokee County.

Lespedeza Hay Production: Lespedeza hay is still the most popular hay produced in the county. Three lespedeza hay production demonstrations are summarized below:

| Summary Lespedeza Hay Production Demonstrations | | | | | | | | |
|---|---------|-------|--------------|-------------|--------|------------|---------------|--------|
| Name | Variety | Acres | Yield Ton | Tons | Cost | Cost | Value Crop | Profit |
| | | | | Per Acre | | Per Ton | | |
| W.T. McCraw | Kobe | 8 | 8 | 1 | 185.00 | 23.12 | 240.00 | 55.00 |
| Jeff Pettit | Kobe | 15 | 22.75 | 1.52 | 242.00 | 10.60 | 682.50 | 440.50 |
| Bonner Bros. | Kobe | 10 | 15 | 1.5 | 365.25 | 24.35 | 450.00 | 84.75 |
| Totals | | 33 | 45.75 | | 792.25 | | 1,372.50 | 580.25 |
| Averages | | | | 1.35 | | 17.31 | | |

As shown in this summary, lespedeza makes good yields of high quality hay, if properly handled. This is the main reason for the popularity of this crop.

Alfalfa Hay Production: Since it has been found that boron and potash materially increase the yield and life of alfalfa, a number of our farmers are growing it on a small scale as a hay crop. Two demonstrations in alfalfa production are reported:

| Summary Alfalfa Hay Production Demonstrations | | | | | | | | |
|---|---------|-------|---------------|-------------|--------|------------|---------------|--------|
| Name | Variety | Acres | Yield Tons | Tons | Cost | Cost | Value Crop | Profit |
| | | | | Per Acre | | Per Ton | | |
| Geo. M. Goforth | Common | 6 | 19.5 | 3.25 | 501.85 | 25.73 | 682.50 | 180.62 |
| W. H. Pettit | Common | 3 | 15.0 | 5.0 | 289.25 | 19.28 | 525.00 | 235.75 |
| Totals | | 9 | 34.5 | | 791.13 | | 1207.50 | 416.37 |
| Averages | | | | 3.8 | | 22.93 | | |

These demonstrations, both in the first year of production, indicate that alfalfa can be profitably produced in this county. In future years, when the cost of maintenance should not be as great as the cost of seeding, the margin of profit should be greater.

Silage Production: A number of dairymen have found it profitable to replace at least a part of the hay fed to their cows with silage. Both corn and sweet sorghum are used for this purpose. Two demonstrations in silage production are summarized below:

| Summary Silage Production Demonstrations | | | | | | | | |
|--|---------|-------|---------------|-------------|--------|------------|---------------|--------|
| Name | Crop | Acres | Yield Tons | Tons | | Cost | | Profit |
| | | | | Per Acre | Cost | Per Ton | Value Crop | |
| M. E. Higgins | Sorghum | 14 | 98 | 7 | 517.00 | 5.27 | 1176.00 | 659.00 |
| B. T. White | Corn | 7 | 41 | 5.83 | 299.50 | 7.30 | 615.00 | 315.50 |
| Totals | | 21 | 139 | | 816.50 | | 1791.00 | 974.50 |
| Averages | | | | 6.6 | | 6.09 | | |

These demonstrations indicate that silage can be produced and stored in trench silos economically.

Annual Grazing and Permanent Pasture: Much educational work was done on the necessity and value of supplying green feed which animals can harvest themselves over as much of the year as possible. Two tours were conducted within the county to study grazing crops and pastures. The grazing calendar which was prepared last year was revised and distributed again this year. Much newspaper and radio publicity was given this program. Thirty tons of nitrate of soda and forty tons of ammonium nitrate were obtained for farmers for the specific purpose of top-dressing pastures and annual grazing crops. Two demonstrations of annual grazing crops and one of permanent pastures are reported herein:

| Summary Winter Grazing Demonstrations | | | | | | | | |
|---------------------------------------|--------------------------------|-------|----------------|-----------------|---------|-------------|---------|---------|
| Name | Crop | Acres | Days Grazed | Animal | | Cost | | Profit |
| | | | | Units Grazed | Cost | Per Acre | Value | |
| M. E. Higgins | oats, barley | | | | | | | |
| B. T. White | ryegrass, crimson clover | 20 | 139 | 48 | 897.50 | 44.87 | 2000.00 | 1102.50 |
| B. T. White | Ryegrass crimson clover | 7 | 174 | 11 | 249.35 | 35.63 | 700.00 | 450.65 |
| Totals | | 27 | 313 | 59 | 1146.85 | | 2700.00 | 1553.15 |
| Averages | | | | | | 12.47 | | |

These dairymen, along with many others, are finding that a field of winter grazing will increase their milk production and cut production costs. The acreage of these annual grazing crops is now the greatest in the history of the county. Oats, barley, ryegrass, and crimson clover are used in various combinations for this purpose.

Summary Permanent Pasture Demonstrations

| Name | Crop | Acres | Days Grazed | Animal Units Grazed | Cost Per Acre | Value | Profit | |
|-----------------|----------------|-------|----------------|---------------------------|---------------------|-------|---------|--------|
| Henrietta Mills | Alta Fescue | 30 | 84 | 45 | 1035.00 | 34.50 | 1260.00 | 225.00 |
| Totals | | 30 | 84 | 45 | 1035.00 | | 1260.00 | 225.00 |
| Averages | | | | | | 34.50 | | |

The tall fescues, alta, and Kentucky-31 are growing in popularity as permanent pasture plants. First acreage was seeded in the county in the fall of 1947, amounting to approximately 125 acres. This was increased to approximately 800 acres in the fall of 1948. It is seeded in various combinations with Ladino and subterranean clovers. Much work has also been done in improving Bermuda-Dallis grass, and White Dutch pastures.

Legumes for Soil Building: The practices of following grain with lespedeza is a common one. Part of this lespedeza acreage is cut for hay or seed, but a large acreage is turned under for soil-building. Where seed are harvested, this is done by combine and the straw is left on the land.

Small grain, Austrian winter peas and vetch are used as winter cover and soil building crops.

Lime and Superphosphate: Informational material on the use and value of limestone and superphosphate, has been given publicity. 3640 tons of ground limestone were obtained by farmers on purchase order through PMA. Approximately 1000 additional tons were bought directly by farmers. 439 tons of superphosphate were obtained by farmers on purchase order through PMA, and approximately 300 additional tons were bought directly.

Permanent Pasture Fertilizer Demonstrations: Two demonstrations were conducted in the use of a complete fertilizer on permanent pastures. These demonstrations are summarized on the following page.

Summary Permanent Pasture Fertilizer Demonstrations

| Name | Acres | Sod | Treatment | Remarks |
|--------------|-------|---|--|--|
| J. S. Peeler | 2 | Bermuda Dallis Lespedeza White Dutch | Lime 600# Super- phosphate 200# Muriate 200# Sulfate of Ammonia | Impossible to measure actual results. Sod heavier, grass greener, cows seem to stay on this part of the pasture more than untreated part. |
| B. T. White | 1 | Bermuda Lespedeza White Dutch | Same as above | Same as above |

In these demonstrations, which were placed within large permanent pastures, it was impossible to actually measure the results. However, the sod seemed to be more dense and thrifty than in the remainder of the pastures. The cows appeared to have a preference for grazing the treated areas.

ANIMAL HUSBANDRY

Animal husbandry work in Cherokee County in 1948 consisted of educational work with beef cattle and hog growers, along the lines of better animals and increased feed and pasture production. These latter have been reported under Agronomy.

Beef Cattle: Efforts were made to keep in contact with beef cattle producers to assist and encourage them in improving their herds and in producing more feed at less cost. A number of farmers are producing beef, using common cows and purebred bulls. Purebred and good commercial grade herds are being developed on the farms of W. Joe McArthur, G. A. Wheeler, M. G. Johnson, W. C. Warlick, Bonner Brothers, Walter W. Brown, R. J. LeMaster, R. L. Lamb, and Cherokee Falls Farm.

Geo. DePass held a dispersal sale at auction, selling 56 head of purebred Herefords for \$20,610.00. R. J. LeMaster and Sons annually fatten three or four car loads of beef steers, using home grown grains, silage and cotton seed meal. W. B. Camp & Sons of Bakersfield, Cal. have in recent months purchased large acreages in the county, which they are developing into cattle farms.

Swine: Work with hogs consisted of publicity on feeding and management, and in 4-H Pig Club demonstrations which are reported under 4-H Club Work.

DAIRYING

Dairy work in 1948 consisted of educational and demonstration work in feed production and pasture development, in barn plan suggestions, in placing dairy cattle, in artificial breeding, and in continued work with a milk route organized last year.

Feed Production: We are endeavoring to establish a dairy industry in Cherokee County on the sound basis of abundant home grown feed. To that end we have done much educational work rather than promoting the purchase of dairy cattle. Feed production work has been reported under Agronomy.

Placing Dairy Animals: Assistance was given five farmers in obtaining purebred animals. These pbeings are listed as follows:

Purebred Dairy Animals Placed

| Name | Number | Breed | Age | Sex | Cost |
|------------------|----------|----------|----------|--------|-------------------|
| B. T. White | 2 | Guernsey | 3 years | Female | \$ 500.00 |
| M. D. Scruggs | 1 | Jersey | 6 years | Female | 350.00 |
| Fay Mathis | 1 | Guernsey | 1 week | Male | 10.00 |
| Chas. J. Hamrick | 1 | Guernsey | 2 months | Male | 150.00 |
| James T. Pettit | 1 | Guernsey | 5 months | Male | 300.00 |
| TOTALS | 6 | | | | \$1,310.00 |

In addition to those listed above, several purebred Jersey heifers were placed with FFA boys in the county by the local Belk's Department Store. These calves are being grown out under the supervision of the local teachers of Vocational Agriculture.

Artificial Breeding: County officials have made equipment available, and arrangements have been made to obtain semen from the Spartanburg County Artificial Breeding Association, and from Skybrook Dairy Farms at Hendersonville, N. C. for breeding 4-H Club heifers, and a few outstanding females for adult dairymen.

Milk Route: Work was continued with the milk route which was organized in 1947 to collect fresh milk from farms in the county and deliver it to the Carnation Plant at Shelby, N. C. for canning purposes. The highest volume in 1947 was 1000 pounds daily, collected from 35 farms. In 1948 the peak delivery was 4100 pounds collected from 98 farms. During the winter of 1947-48 deliveries were made only every other day. Indications are that for the coming winter the volume will be great enough to maintain daily delivery.

ENTOMOLOGY AND PLANT PATHOLOGY

Extension work in Entomology and Plant Pathology in 1948 consisted of work with fruit and crop diseases and insects.

Peach Insect and Disease Control: Close contact was maintained with commercial peach growers through the year to keep up to date on the disease and insect situation, and to advise with the growers on the best methods of combatting these pests. All growers' names were placed on the mailing list of the Extension Horticulturist to receive the Monthly Orchard Letter which proved very helpful. Orchardists in general did a good job of following instructions as to cultural and sanitary measures and spraying practices. Some orchardists used the newer spray materials such as DDT, BHC and Chlordane with good results.

Boll Weevil Control: An intensive coordinated program of boll weevil control was carried out in the county. Earlier in the season, all governmental agencies working with farm people met with representatives of farmers, farm machinery dealers, fertilizer dealers, ginners, oil mill people, and cotton buyers, to discuss and plan this program. The educational phases of the program were carried out by governmental agencies and the commercial people made available the control material and equipment with which to apply it. They also cooperated in method demonstrations of control. Boll weevil infestation counts were made at regular intervals and publicity was given to the results of these counts. Very little in the way of weevil control had ever been done by the farmers in the past, but this year a number of the larger, influential farmers applied poison when weevil counts indicated it was needed. These people reported that they got good results from their control measures. Their example led others to apply control measures and their testimonials will have great effect in the future.

Miscellaneous Activities: Farmers were urged to treat cottonseed and grain before planting. This is a generally accepted practice. Information on control of garden pests and on the use of DDT and Rotenone in controlling flies and lice has been publicized.

Beekeeping

Beekeeping work in 1948 consisted largely in answering questions relative to bee management. One transferring demonstration, one yard management demonstration, and two requeening demonstrations were given.

FORESTRY

Extension Forestry work in 1948 consisted of work in planting, woodland examinations, timber marking, fire protection, woodland management, and 4-H Forestry work.

Woodland Examinations: Woodland examinations were made on five farms covering 2113 acres of forest.

Woodland Examination Report

| Name | Acres Woodland Examined |
|---------------------|-------------------------------|
| L. V. Caggiano | 350 |
| Henrietta Mills | 1,500 |
| Dan Horne | 190 |
| Mrs. Frank McCluney | 25 |
| W. F. Vassy | 48 |
| Total | 2,113 |

Planting: Again in 1948, Cherokee farmers made large plantings of pine seedlings. These plantings are listed below:

Pine Seedling Plantings

| Name | Number | Kind |
|-------------------|--------|----------|
| Tom Addis | 2,000 | Loblolly |
| D. C. Allen | 1,000 | " |
| Charles R. Bailey | 5,000 | " |
| Charles R. Bailey | 5,000 | " |
| J. T. Baines | 1,000 | " |
| E. O. Becknell | 1,000 | " |
| T. P. Brannon | 1,000 | " |
| Claude Bridges | 2,000 | " |
| C. M. Brown | 1,000 | " |
| Stacy Byars | 1,000 | " |
| Mrs. J. E. Cheek | 1,000 | " |
| J. A. Coker | 1,000 | " |
| Leroy Darwin | 2,000 | " |
| Thomas Duncan | 2,000 | " |
| F. P. Ellis | 1,000 | " |
| John R. Fisher | 1,000 | Longleaf |
| L. V. Gaffney | 5,000 | Loblolly |
| M. W. Goforth | 2,000 | " |

Pine Seedling Plantings (Con't)

| Name | Number | Kind |
|---------------------|--------------|----------|
| Mendel L. Goudelock | 5,000 | Loblolly |
| Ralph Harris | 1,000 | " |
| B. L. Hoke | 5,000 | " |
| J. F. Horne | 5,000 | " |
| H. B. Jackson | 2,000 | " |
| Geo. W. Jefferies | 3,000 | " |
| R. V. Johnson | 1,000 | " |
| W. C. Keller, Jr. | 1,000 | " |
| M. L. Linder | 5,000 | " |
| J. B. Lindley | 5,000 | " |
| Claude Littlejohn | 5,000 | " |
| S. C. Painter | 3,000 | " |
| James Parris | 2,000 | " |
| Ernest Phillips | 3,000 | " |
| W. B. Phillips | 1,000 | " |
| M. M. Poole | 2,000 | " |
| Johnnie Pridmore | 2,000 | " |
| Charles L. Queen | 5,000 | " |
| Fritz H. Sarratt | 2,000 | " |
| Ibra C. Sarratt | 3,000 | " |
| Lemmel Sarratt | 1,000 | " |
| T. C. Scruggs | 1,000 | " |
| John A. Smith | 1,000 | " |
| Cad Spake | 1,000 | " |
| Lyman M. Sparks | 5,000 | " |
| Mrs. Sara G. Sparks | 5,000 | " |
| J. L. Suttles | 1,000 | " |
| R. C. Swofford | 1,000 | " |
| Elzie G. Tate | 1,000 | " |
| Mrs. Ida O. Waters | 1,000 | " |
| F. H. Weaver | 5,000 | " |
| M. M. Webster | 1,000 | " |
| W. G. Webster | 2,000 | " |
| W. W. Wheelchel | 3,000 | " |
| Henrietta Mills | 50,000 | " |
| J. B. McCraw | 1,000 | " |
| J. B. Wilkins, Jr. | 2,000 | " |
| Loye Mayfield | 1,000 | " |
| Lawrence Phillips | 5,000 | " |
| S. E. Loftis | 5,000 | " |
| Miles W. Broome | 1,000 | " |
| Totals | (59) 190,000 | |

Planting Demonstrations: One planting demonstration was given to show farmers the correct way of planting pine seedlings. This demonstration was held with the cooperation and assistance of the State Commission of Forestry.

Arbor Day Program: An Arbor Day Program was conducted by the Gaffney High School 4-H Club with all the students and teachers of the school in attendance. This program, before approximately 900 people, served to give them a clearer idea of the importance of forests to all people. A Cork Oak seedling was planted. Same program was given at the Blacksburg High School the same day with approximately 300 pupils and teachers in attendance.

Forestry Program in 4-H Clubs: A Forestry Program was given in each of the 23 clubs in the county.

Fire Prevention: Fire Prevention Week was given newspaper and radio publicity with emphasis on forest fire prevention. The Extension Agents have worked in cooperation with the County Ranger and Fire Warden to educate people against burning forests. Envelope stuffers were used. Fire prevention stamps were attached to envelopes, and book markers on fire prevention were distributed to all club members.

Cork Oak Acorns: Ten pounds of cork oak acorns were obtained from Crown Cork & Seed Company through the State Extension Forester. These were distributed to the club boys in the county. While no complete check is available, many of the boys report seedlings six to eight inches high.

BOYS 4-H CLUB WORK

Boys 4-H Club work was conducted in 1948 in 21 communities with an enrollment of 399 boys. In most instances the boys and girls clubs were located in the same schools and joint meetings were held with programs prepared by the local leaders under the supervision of the Assistant County Agent and the County Home Demonstration Agent. A total of 210 demonstrations were completed, as shown:

Summary of 4-H Club Enrollment and Completions

| Name of Club | Number Members Enrolled | Number Completed Demonstrations | Per Cent Members Completing Demonstrations |
|----------------------|-------------------------------|---------------------------------------|--|
| Asbury | 8 | 6 | 75 |
| Antioch | 13 | 10 | 76 |
| Ashworth | 14 | 11 | 78 |
| Blacksburg High | 30 | 12 | 40 |
| Beaverdam | 26 | 20 | 77 |
| Buffalo | 18 | 15 | 83 |
| Cherokee Progressive | 38 | 27 | 71 |
| Cherokee Falls | 47 | 2 | 4 |
| Corinth | 17 | 12 | 70 |
| Draytonville | 16 | 13 | 81 |
| Gaffney High School | 10 | 7 | 70 |
| Goucher | 18 | 14 | 77 |
| Love Springs | 9 | 2 | 22 |
| Midway | 13 | 8 | 61 |
| McKown's Mountain | 10 | 7 | 70 |
| New Pleasant | 26 | 19 | 73 |
| Pleasant Grove | 8 | 1 | 12 |
| Robbs | 25 | 6 | 24 |
| Macedonia | 3 | 1 | 33 |
| State Line | 19 | 4 | 21 |
| White Plains | 12 | 5 | 41 |
| Chersnee High School | 18 | 8 | 44 |
| <hr/> | | | |
| Totals | 399 | 210 | |
| Per Cent Completions | | | 52% |

The following gives a summary of 4-H enrollment and yearly completions from 1930 through 1948.

| Summary Enrollments and Completions 1930-1948 | | | |
|---|-------------|-------------|----------------------|
| Year | Enrollments | Completions | Per Cent Completions |
| 1930 | 126 | 61 | 48 |
| 1931 | 216 | 85 | 39 |
| 1932 | 277 | 83 | 30 |
| 1933 | 211 | 78 | 30 |
| 1934 | 94 | 24 | 25 |
| 1935 | 95 | 22 | 23 |
| 1936 | 104 | 20 | 29 |
| 1937 | 70 | 22 | 31 |
| 1938 | 58 | 32 | 55 |
| 1939 | 132 | 23 | 14 |
| 1940 | 157 | 23 | 15 |
| 1941 | 94 | 42 | 45 |
| 1942 | 75 | 41 | 54 |
| 1943 | 165 | 69 | 42 |
| 1944 | 122 | 80 | 65 |
| 1945 | 104 | 79 | 76 |
| 1946 | 235 | 168 | 71 |
| 1947 | 335 | 265 | 78 |
| 1948 | 399 | 210 | 52 |

| Summary Completed Demonstration 1948 | | | | |
|--------------------------------------|------------------|----------------|-----------|-----------|
| Demonstrations | Number Completed | Value Products | Cost | Profit |
| Pig Club (Sow & Litter) | 5 | 1,173.00 | 587.55 | 585.45 |
| Beef Calf Club | 9 | 842.50 | 518.90 | 324.00 |
| Garden Club | 17 | 1,099.35 | 407.85 | 691.50 |
| Cotton Club | 12 | 5,569.04 | 2,250.88 | 3,318.16 |
| Corn Club | 33 | 4,264.95 | 2,157.40 | 2,107.55 |
| Pig Club (Fattening) | 40 | 3,911.80 | 2,556.57 | 1,356.03 |
| Poultry | 67 | 5,039.90 | 3,409.47 | 1,630.43 |
| Dairy Calf | 27 | 3,619.00 | 2,162.50 | 1,456.50 |
| Totals | 210 | \$ 25,519.54 | 14,051.12 | 11,469.62 |

This summary shows that the 4-H Club boys completing 210 demonstrations produced farm products to the value of \$25,519.54, at a cost of \$14,051.12 - leaving a profit of \$11,469.62.

4-H Club demonstrations are summarized on the following pages.

4-H CLUB RECORDS

The following is a Summary of 4-H Club Records completed in 1948 as submitted to the State 4-H Club Agent:

Summary 4-H Pig (Sow and Litter) Records

| Name | No. Pigs Farrowed | No. Pigs Raised | Total Value | Total Cost | Profit |
|----------------------------|-------------------|-----------------|--------------------|------------------|------------------|
| Donald Owens | 17 | 17 | 298.00 | 190.60 | 107.40 |
| Bobby Peeler | 16 | 16 | 275.00 | 96.50 | 178.50 |
| Donald Parris | 10 | 10 | 210.00 | 100.45 | 109.55 |
| Hal Dill | 14 | 13 | 230.00 | 120.00 | 110.00 |
| Ralph Humphries | 6 | 6 | 160.00 | 80.00 | 80.00 |
| Totals | 63 | 62 | \$ 1,173.00 | \$ 587.55 | \$ 585.45 |
| Average Per Project | 12.6 | 12.4 | 234.60 | 119.51 | 119.09 |

Summary of 4-H Beef Calf Club

| Name | No. Animals | Days Fed | Gain in Weight | Total Value | Total Cost | Profit |
|--------------------|-------------|-------------|----------------|------------------|------------------|-----------------|
| Claude Phillips | 1 | 365 | 400 | 115.00 | 48.00 | 67.00 |
| Charles Parker | 1 | 200 | 250 | 90.00 | 64.40 | 25.00 |
| Mack Lee Gibson | 1 | 300 | 385 | 90.00 | 55.00 | 35.00 |
| Hamlet Lipscomb | 1 | 200 | 200 | 62.50 | 33.00 | 29.50 |
| Lester Norman | 1 | 150 | 125 | 100.00 | 68.50 | 31.50 |
| Hobby D. Elmore | 1 | 175 | 200 | 120.00 | 86.00 | 35.00 |
| David (Bud) Parris | 1 | 365 | 400 | 125.00 | 75.00 | 50.00 |
| Palmer Spurlin | 1 | 200 | 190 | 75.00 | 49.00 | 26.00 |
| Cliff Estes | 1 | 210 | 200 | 65.00 | 40.00 | 25.00 |
| Totals | 9 | 2165 | 2350 | \$ 842.50 | \$ 518.90 | \$324.00 |
| Averages | | 240 | 261 | 93.61 | 57.65 | 36.00 |

Summary of 4-H Garden Club Records

| Name | No. of Acres | Yield Bus. | Total Value | Total Cost | Profit |
|------------------|--------------|-------------|--------------------|------------------|------------------|
| Billy Moss | 1 | 65 | 84.00 | 21.35 | 62.65 |
| Ronald Wood | 1 | 14 | 56.00 | 14.50 | 41.50 |
| Ray Wylie | 1 | 20 | 30.00 | 14.00 | 16.00 |
| Jack E. Rice | 1 | 30 | 60.00 | 17.85 | 42.15 |
| Wayne Easler | 1 | 24 | 72.00 | 26.00 | 45.10 |
| Bobby Eubanks | 1 | 26 | 67.50 | 24.00 | 43.50 |
| Charles Byers | 1 | 19 | 33.25 | 7.50 | 35.75 |
| Edward Byers | 1 | 13 | 25.60 | 8.75 | 16.85 |
| Coleman Bryant | 1 | 22 | 44.00 | 18.00 | 26.00 |
| Leroy Clary | 1 | 40 | 85.00 | 31.00 | 54.00 |
| Buddy McCullough | 1 | 18 | 42.00 | 18.00 | 24.00 |
| Jerry Allison | 1 | 50 | 120.00 | 52.00 | 68.00 |
| Jack Wright | 1 | 38 | 65.00 | 40.00 | 25.00 |
| Thomas Simmons | 1 | 20 | 50.00 | 17.00 | 33.00 |
| Jack Simmons | 1 | 20 | 50.00 | 17.00 | 33.00 |
| LeGrand Parris | 1 | 65 | 125.00 | 45.00 | 80.00 |
| Hamp Jackson | 1/3 | 42 | 90.00 | 35.00 | 55.00 |
| Totals | 7.3 | 526 | \$ 1,099.35 | \$ 407.85 | \$ 691.50 |
| Averages | | 70.6 | 150.59 | 57.23 | 94.74 |

Summary of 4-H Cotton Club Records

| Name | No. Acres | # Seed Cotton | Pounds Lint | Total Value | Total Cost | Profit |
|-----------------|-----------|---------------|---------------|--------------------|--------------------|-------------------|
| Fred Green | 1 | 920 | 544 | 190.03 | 84.43 | 105.60 |
| Robert Green | 1 | 919 | 544 | 190.03 | 84.43 | 105.60 |
| Jimmy Queen | 1.5 | 1680 | 651 | 241.81 | 126.51 | 115.30 |
| John Humphries | 2 | 2100 | 804 | 301.45 | 108.15 | 193.30 |
| Neil Thomas | 2 | 3200 | 1490 | 394.26 | 309.94 | 84.32 |
| Leroy Wilson | 4 | 5700 | 2150 | 820.25 | 244.00 | 576.25 |
| David Rogers | 2 | 1700 | 650 | 238.88 | 80.00 | 158.88 |
| Bobby Mills | 1 | 1310 | 510 | 182.85 | 83.00 | 99.85 |
| Dean Williams | 3 | 4750 | 1481 | 494.38 | 159.40 | 334.98 |
| Joe Bob Blanton | 5 | 12,970 | 4900 | 1,833.00 | 681.00 | 1152.00 |
| Dean Blanton | 2.5 | 2100 | 800 | 300.00 | 95.97 | 204.03 |
| Bobby Hulsey | 2 | 3100 | 1470 | 382.10 | 194.05 | 188.05 |
| Totals | 27 | 40,449 | 15,994 | \$ 5,569.04 | \$ 2,250.88 | \$3,318.16 |
| Averages | | 1,498 | 592 | 206.26 | 83.36 | 122.89 |

Summary of 4-H Corn Club Records

| Name | No. Acres | Yield Bus. | Total Value | Total Cost | Profit |
|-------------------|--------------|---------------|----------------|---------------|-------------|
| Carl Hughey | 2 | 55 | 90.00 | 42.75 | 47.25 |
| Marshall Vickers | 2 | 50 | 75.00 | 59.50 | 15.50 |
| Billy Harmon | 2 | 64 | 94.50 | 21.00 | 73.50 |
| Jimmy Houser | 2 | 35 | 58.50 | 22.10 | 36.40 |
| Ned Spencer | 6 | 90 | 148.50 | 72.00 | 76.50 |
| Carol Guest | 4.5 | 200 | 300.00 | 86.00 | 214.00 |
| Donnie Hunt | 2 | 67 | 100.50 | 30.00 | 70.50 |
| Dickey Scruggs | 3 | 75 | 112.50 | 47.00 | 65.50 |
| Glenn Parris | 3 | 90 | 135.00 | 84.00 | 51.00 |
| John E. Humphries | 1 | 35 | 52.50 | 22.00 | 30.50 |
| Herbert Wilson | 2 | 134 | 205.45 | 130.30 | 75.15 |
| Donald Blanton | 1 | 60 | 90.00 | 39.50 | 50.50 |
| Bobby Ramsey | 6 | 144 | 216.00 | 140.00 | 76.00 |
| Detroy Horne | 6 | 200 | 290.00 | 170.00 | 120.00 |
| Buddy Wheelchel | 2 | 100 | 150.00 | 45.00 | 105.00 |
| Donald D. Price | 2 | 70 | 105.00 | 23.25 | 81.75 |
| Dean Williams | 2 | 110 | 165.00 | 87.55 | 77.45 |
| James Kearse | 3 | 180 | 270.00 | 151.85 | 118.15 |
| John David | 1 | 29 | 43.50 | 26.60 | 16.90 |
| Max Blanton | 1 | 35 | 52.50 | 28.00 | 24.50 |
| Billy Wallace | 2 | 90 | 135.00 | 81.00 | 54.00 |
| Boyce Peeler | 2 | 70 | 105.00 | 60.00 | 45.00 |
| J. C. Hughes | 1 | 62 | 93.00 | 48.00 | 45.00 |
| Harrill Blanton | 2 | 96 | 144.00 | 85.00 | 59.00 |
| Bobby Huskey | 2 | 54 | 81.00 | 45.00 | 36.00 |
| Henry Ruppe | 4 | 120 | 180.00 | 94.00 | 86.00 |
| John Neal | 5 | 110 | 165.00 | 87.00 | 78.00 |
| Bobby Vinesett | 2 | 85 | 127.50 | 50.00 | 77.50 |
| Freeman Painter | 3 | 90 | 135.00 | 80.00 | 55.00 |
| Junior Lovelace | 2 | 88 | 132.00 | 91.00 | 41.00 |
| Boyce Thomas | 1 | 28 | 42.00 | 20.00 | 22.00 |
| Bobby Tuman | 2 | 50 | 75.00 | 38.00 | 37.00 |
| Bobby Littlejohn | 2 | 64 | 96.00 | 50.00 | 46.00 |
| Totals | 83 | 2830 | \$ 4,264.95 | \$ 2,157.40 | \$ 2,107.55 |
| Average Per Acre | | 34 | 52.30 | 25.99 | 25.39 |

Summary 4-H Pig Club (Fattening) Records

| Name | No. Animals | Days Fed | Gain in Wt. | Total Value | Total Cost | Profit |
|-------------------|-------------|----------|-------------|-------------|-------------|------------|
| Ray Sellars | 1 | 210 | 224 | 67.50 | 35.00 | 32.50 |
| Howard McAbee | 1 | 190 | 220 | 65.00 | 38.00 | 27.00 |
| Joe Brown | 1 | 218 | 270 | 90.00 | 55.00 | 35.00 |
| Albert Harris | 2 | 400 | 440 | 130.00 | 68.00 | 62.00 |
| Paul Jackson | 1 | 205 | 225 | 75.00 | 52.00 | 23.00 |
| Jimmy Bratton | 1 | 191 | 365 | 118.50 | 75.00 | 43.50 |
| Edward Fisher | 1 | 185 | 200 | 75.00 | 37.00 | 38.00 |
| Den Owens | 1 | 210 | 250 | 84.00 | 43.10 | 40.90 |
| Olan Ramsey | 1 | 150 | 175 | 49.50 | 17.50 | 32.50 |
| Howard Coyle | 2 | 370 | 430 | 150.00 | 90.00 | 60.00 |
| Harold Pierce | 1 | 250 | 344 | 113.70 | 75.25 | 38.45 |
| J. G. Spencer | 1 | 330 | 350 | 120.00 | 82.40 | 37.60 |
| Ferman McDaniel | 1 | 150 | 200 | 69.00 | 27.00 | 42.00 |
| Bobby D. Painter | 2 | 254 | 400 | 150.00 | 73.50 | 76.50 |
| Harry Goforth | 1 | 210 | 200 | 69.00 | 42.50 | 26.50 |
| Jimmy Martin | 1 | 365 | 280 | 93.00 | 31.75 | 61.25 |
| Eugene Blackwell | 1 | 213 | 330 | 107.50 | 80.00 | 27.50 |
| Earl McAbee | 1 | 240 | 300 | 99.00 | 53.00 | 46.00 |
| Frederick Bradley | 1 | 271 | 310 | 100.50 | 81.10 | 19.40 |
| Billy McCluney | 1 | 210 | 165 | 50.00 | 30.70 | 19.30 |
| Joe Dean Cudd | 1 | 225 | 275 | 105.00 | 71.77 | 33.23 |
| J. B. Blanton | 1 | 202 | 325 | 107.10 | 77.00 | 30.10 |
| Lonnie Gardner | 1 | 155 | 175 | 50.00 | 28.00 | 22.00 |
| Shuford Jolley | 1 | 330 | 360 | 120.00 | 79.00 | 41.00 |
| Charles A. Nolen | 1 | 335 | 325 | 115.00 | 81.00 | 34.00 |
| Derek Godfrey | 1 | 260 | 275 | 90.00 | 72.20 | 17.80 |
| Gene Littlejohn | 1 | 310 | 350 | 112.50 | 81.00 | 31.50 |
| Bobby Wallace | 1 | 240 | 260 | 91.00 | 68.40 | 22.60 |
| Frank Hammett | 1 | 285 | 300 | 99.00 | 74.00 | 25.00 |
| Thomas Hambright | 2 | 460 | 540 | 180.00 | 130.00 | 50.00 |
| Bobby Goforth | 1 | 300 | 325 | 105.00 | 74.50 | 30.50 |
| Carlton Sarratt | 1 | 260 | 300 | 98.00 | 70.10 | 27.90 |
| Fred Peek | 1 | 310 | 305 | 102.00 | 81.00 | 21.00 |
| Lemuel Harris | 1 | 250 | 275 | 86.00 | 66.50 | 19.50 |
| Jack Pool | 1 | 175 | 210 | 75.00 | 51.00 | 24.00 |
| Gilbert Spencer | 1 | 285 | 300 | 97.00 | 80.00 | 17.00 |
| Vernon Gardner | 1 | 210 | 200 | 71.00 | 48.00 | 23.00 |
| Alfred Tindall | 1 | 300 | 350 | 118.00 | 90.00 | 28.00 |
| Harold Rochester | 1 | 200 | 225 | 80.00 | 61.00 | 19.00 |
| Joe Waters | 2 | 450 | 400 | 135.00 | 85.00 | 50.00 |
| <hr/> | | | | | | |
| Totals | 45 | 10,364 | 11,753 | \$ 3,911.80 | \$ 2,556.57 | \$1,356.03 |
| <hr/> | | | | | | |
| Averages | | 230 | 261 | 86.90 | 56.81 | 30.13 |

Summary of 4-H Poultry Club Records

| Name | Strong Chicks | | Total Value | Total Cost | Profit |
|--------------------|----------------------|--|----------------|---------------|--------|
| | Bought or Hatched | | | | |
| John Lawson | 35 | | 48.00 | 35.25 | 12.75 |
| Jimmy Mathis | 100 | | 120.00 | 69.00 | 51.00 |
| Marvin D. Brown | 100 | | 166.20 | 128.25 | 37.95 |
| Edwin Jones | 100 | | 125.00 | 87.50 | 37.50 |
| Guy Upchurch | 100 | | 90.00 | 70.00 | 20.00 |
| Claude Crocker | 100 | | 120.00 | 67.80 | 52.20 |
| Marvin McDaniel | 75 | | 46.00 | 30.15 | 18.85 |
| Keith Cash | 50 | | 40.60 | 20.00 | 20.60 |
| Billy Cash | 50 | | 40.00 | 20.00 | 20.60 |
| Curtis Holmes | 50 | | 55.00 | 34.00 | 21.00 |
| Hugh Mason | 100 | | 120.00 | 80.37 | 39.63 |
| Bobby Goforth | 50 | | 48.00 | 31.00 | 17.00 |
| Tommy Carr | 50 | | 39.90 | 17.70 | 22.20 |
| Basil Skinner | 52 | | 50.00 | 28.00 | 22.00 |
| Claude Reynolds | 100 | | 100.00 | 61.00 | 39.00 |
| Jerry Black | 40 | | 32.00 | 16.78 | 15.22 |
| Jimmy McDaniel | 25 | | 20.00 | 12.86 | 7.14 |
| Billy Black | 40 | | 35.00 | 16.78 | 18.22 |
| Donald Turner | 100 | | 130.00 | 117.00 | 13.00 |
| Dan Turner | 125 | | 168.00 | 138.00 | 30.00 |
| Willis Philbeck | 50 | | 40.00 | 21.00 | 19.00 |
| Thomas Philbeck | 50 | | 41.00 | 22.00 | 19.00 |
| Charles Gaffney | 32 | | 29.00 | 22.50 | 6.50 |
| Charles E. Sanders | 25 | | 25.00 | 17.00 | 8.00 |
| Henry Jolly | 100 | | 78.00 | 48.75 | 29.25 |
| Jimmy McKown | 30 | | 49.50 | 28.55 | 20.95 |
| Larry Campbell | 50 | | 45.00 | 30.00 | 15.00 |
| Wayne Driskill | 120 | | 105.00 | 58.85 | 46.15 |
| Ray McCraw | 140 | | 160.00 | 98.20 | 61.80 |
| Jerry Driskill | 50 | | 60.00 | 41.00 | 19.00 |
| Pat Phillips | 25 | | 25.00 | 16.00 | 9.00 |
| Gene Phillips | 31 | | 36.25 | 19.55 | 17.70 |
| Billy McCullough | 52 | | 44.00 | 24.65 | 19.35 |
| Floyd Gaffney | 60 | | 52.00 | 34.50 | 17.50 |
| Jerry Wilson | 26 | | 25.00 | 12.75 | 12.25 |
| Douglas Turner | 76 | | 163.00 | 129.00 | 34.00 |
| Edsel Cash | 25 | | 18.00 | 15.00 | 3.00 |
| James Vaughn | 50 | | 75.00 | 62.00 | 13.00 |
| Joe Dean Blanton | 150 | | 210.00 | 160.00 | 50.00 |
| Watson Jolly | 50 | | 65.00 | 47.75 | 17.25 |
| Gary McGinnis | 50 | | 41.00 | 29.50 | 11.50 |
| Ronald Jolly | 50 | | 43.00 | 30.94 | 12.06 |

Summary of 4-H Poultry Club Records (Continued)

| Name | Strong Chicks | | Total Value | Total Cost | Profit |
|---------------------|----------------------|--|----------------|---------------|-------------|
| | Bought or Hatched | | | | |
| Melvin D. Rogers | 101 | | 151.10 | 88.10 | 63.00 |
| Dean Williams | 50 | | 72.00 | 49.00 | 23.00 |
| Max Mintz | 112 | | 135.00 | 89.00 | 46.00 |
| Elbert Keller | 44 | | 56.00 | 39.00 | 17.00 |
| LeRoy McMakin | 24 | | 24.00 | 13.75 | 10.25 |
| Sonny Nimmons | 100 | | 90.00 | 75.00 | 15.00 |
| Marvin D. Brown | 100 | | 110.00 | 78.00 | 32.00 |
| Billy D. Blanton | 25 | | 23.00 | 11.40 | 11.60 |
| Anthony Peeler | 100 | | 105.00 | 66.25 | 38.75 |
| Warren Skinner | 100 | | 75.00 | 34.34 | 40.66 |
| Gerald Clary | 50 | | 49.75 | 44.70 | 5.05 |
| Rogers Fowler | 100 | | 75.00 | 48.25 | 26.75 |
| Harold Mathid | 50 | | 50.00 | 18.50 | 31.50 |
| Grady Ray Duvall | 50 | | 65.00 | 48.65 | 16.35 |
| Harold Dean Hammett | 50 | | 58.00 | 40.00 | 18.00 |
| Ted Foster | 100 | | 115.00 | 88.50 | 26.50 |
| Kenneth Sanders | 50 | | 46.00 | 28.10 | 17.90 |
| Jimmy McDaniel | 150 | | 140.00 | 86.00 | 54.00 |
| Donald Gentry | 100 | | 95.00 | 78.00 | 17.00 |
| Gene Lattimore | 100 | | 87.00 | 75.00 | 12.00 |
| Kenneth Butler | 35 | | 50.00 | 38.00 | 12.00 |
| Carl W. Blanton | 65 | | 75.00 | 51.00 | 24.00 |
| Earl R. Jolly | 100 | | 94.00 | 51.00 | 43.00 |
| Pittman Childers | 85 | | 80.00 | 57.00 | 23.00 |
| Conrad Spencer | 100 | | 95.00 | 62.00 | 33.00 |
| Totals | 4,675 | | \$5,039.90 | \$ 3,409.47 | \$ 1,630.43 |
| Averages | 69 | | 76.25 | 50.87 | 23.68 |

Summary of 4-H Dairy Calf Club Records

| Name | No. Animals | Days Fed | Gain in Weight | Total Value | Total Cost | Profit |
|------------------|-------------|----------|----------------|-------------|-------------|-------------|
| Billy Goode | 1 | 120 | 150 | 58.00 | 23.50 | 34.50 |
| Bobby Goode | 1 | 300 | 450 | 290.00 | 150.00 | 140.00 |
| Oland D. Sellars | 1 | 150 | 120 | 75.00 | 27.00 | 48.00 |
| Donald Peeler | 1 | 210 | 300 | 85.00 | 50.00 | 35.00 |
| Perry Vaughn | 1 | 205 | 325 | 115.00 | 65.25 | 49.75 |
| Roy N. Mathis | 1 | 90 | 100 | 181.00 | 113.75 | 67.25 |
| Victor Ross | 1 | 60 | 100 | 25.50 | 18.00 | 7.50 |
| Johnny Bridges | 1 | 210 | 275 | 125.00 | 81.00 | 44.00 |
| H. C. Blackwell | 1 | 270 | 350 | 200.00 | 120.80 | 79.20 |
| Jack B. Hayes | 1 | 365 | 450 | 175.00 | 96.00 | 79.00 |
| Tommy Wilson | 1 | 365 | 450 | 100.00 | 45.00 | 55.00 |
| Max Mintz | 1 | 365 | 400 | 250.00 | 175.00 | 75.00 |
| Sam Mintz | 1 | 365 | 350 | 100.00 | 65.00 | 35.00 |
| Dean Phillips | 1 | 250 | 275 | 150.00 | 105.00 | 45.00 |
| Donald Estes | 1 | 365 | 250 | 180.00 | 84.00 | 96.00 |
| Lawrence Evans | 1 | 200 | 210 | 110.00 | 36.00 | 74.00 |
| Bobby Dean Evans | 1 | 65 | 100 | 49.50 | 35.00 | 14.50 |
| J. B. Parris | 1 | 205 | 250 | 85.00 | 42.90 | 42.10 |
| Edward Blanton | 1 | 210 | 250 | 250.00 | 179.20 | 70.80 |
| A. C. Justice | 1 | 203 | 225 | 185.00 | 115.50 | 69.50 |
| Lynn McCraw, Jr. | 2 | 270 | 285 | 140.00 | 67.50 | 72.50 |
| Bobby Scruggs | 1 | 240 | 200 | 150.00 | 111.00 | 39.00 |
| Freddie D. Jones | 1 | 210 | 210 | 105.00 | 65.00 | 40.00 |
| Joe Porter | 1 | 361 | 250 | 110.00 | 79.50 | 30.50 |
| Lin D. Johnson | 1 | 200 | 196 | 50.00 | 28.00 | 22.00 |
| James Normand | 1 | 365 | 250 | 125.00 | 97.60 | 27.40 |
| John G. Wylie | 1 | 365 | 400 | 150.00 | 86.00 | 64.00 |
| Totals | 28 | 6,584 | 7,171 | \$3,619.00 | \$ 2,162.50 | \$ 1,456.50 |
| Averages | | 235 | 256 | 129.25 | 77.22 | 52.03 |

SEARS POULTRY CHAIN 4-H PROJECT

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

| | | | |
|---|-----------------|----------------|---------------|
| 1. County | <u>Cherokee</u> | Year | <u>1948</u> |
| 2. No. Sears Club members | <u>10</u> | Sexed chicks | <u> </u> |
| | | Unsexed chicks | <u>* </u> |
| 3. Chicks started - No. | <u>1000</u> | Cost \$ | <u>130.00</u> |
| 4. No. chicks raised to broiler age | <u>933</u> | | |
| 5. No. broilers sold | <u>400</u> | | |
| 6. Feed consumed - Lbs. | <u>7,875</u> | Cost \$ | <u>465.41</u> |
| 7. Other expenses: | | \$ | <u>18.25</u> |
| 8. Total value broilers sold, eaten and on hand at end of 12 weeks | | \$ | <u>933.00</u> |
| 9. Profit to 12 weeks of age (Add lines 6 and 7 and subtract from line 8) | | \$ | <u>149.34</u> |
| ***** | | | |
| 10. No. pullets left at 12 weeks | | | <u>112</u> |
| 11. Feed consumed - Lbs. (From 12 weeks to date of sale) | <u>5,604</u> | Cost \$ | <u>310.60</u> |
| 12. Other expenses - 12 weeks to date of sale | | \$ | <u>None</u> |
| 13. Estimated value of all pullets raised at date of sale | | \$ | <u>436.72</u> |
| 14. Profit - 12 weeks to date of sale (Add lines 11 and 12 plus estimated value of pullets return to chain and subtract from line 13) | | \$ | <u>126.12</u> |
| ***** | | | |
| 15. No. pullets auctioned | | | <u>120</u> |
| 16. Total selling price all pullets returned to chain | | \$ | <u>278.50</u> |
| 17. Average selling price per pullet | | \$ | <u>2.32</u> |

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

There were nine boys who entered the Junior Corn Contest, eight of which were 4-H Club members.

Summary of Junior Corn Contest

| Name | Yield Bus. | Value Per Acre | Cost Per Acre | Profit Per Acre |
|------------------|---------------|----------------------|---------------------|-----------------------|
| Billy Ray Martin | 68.6 | 102.90 | 48.00 | 54.90 |
| Herbert Wilson | 67.3 | 100.95 | 65.15 | 34.80 |
| Harrill Blanton | 48.4 | 72.60 | 47.50 | 25.10 |
| John W. Davis | 29.0 | 43.50 | 26.60 | 16.90 |
| Jimmy Tate | 28.7 | 43.05 | 24.80 | 19.25 |
| Donnie Hunt | 33.2 | 49.80 | 15.00 | 34.80 |
| Billy Wallace | 43.3 | 74.95 | 40.50 | 34.45 |
| Billy Harmon | 33.9 | 50.85 | 10.50 | 40.00 |
| Jimmy Houser | 21.4 | 32.10 | 11.05 | 21.05 |
| Totals | 373.8 | \$ 570.70 | \$ 289.10 | \$ 281.60 |
| Average Per Acre | 41.5 | 63.41 | 32.12 | 31.29 |

Older Youth Organization

| Name of Club | Membership | Membership |
|--------------|------------|-------------|
| | Young Men | Young Women |
| Corinth | 22 | 22 |

Monthly meetings were held with club officers in charge and programs carried out by club members. Interest was held up over the year as shown by a good average attendance. This is an organization of out-of-school youth.

An Officers and Leaders' Training meeting followed by a banquet at which Leaders were given special recognition was held with all but one of the 21 clubs being represented. A total of 98 officers, leaders, Extension workers and guests attended. The occasion was sponsored by Belk's Department Store of Gaffney.

Sears-Roebuck Poultry Demonstration

1000 Purebred New Hampshire Red baby chicks were secured and placed 100 each with 5 boys and 5 girls in the Sears-Roebuck Poultry Project. The members did a good job with their chicks and in November the chicks which were returned by the members were shown and sold for sufficient money to continue the demonstration in 1949.

4-H Club Camp

A total of 72 boys and 91 girls attended the three day Cherokee County 4-H Club encampment held at Camp Bob Cooper. There were 18 Local Leaders and others to assist with this camp. It was well organized, and a very practical program of lectures and demonstrations were given, and the camp proved an enjoyable and profitable occasion for the boys and girls.

4-H Club Council and Achievement Meetings

At the two combination 4-H Club meetings held in April and November appropriate programs were presented by the club members and invited speakers and certificates and awards were made 4-H Club members who earned them. The County Council had a membership of 833 boys and girls.

HORTICULTURE

Extension work in Horticulture in 1948 consisted of educational and demonstrational work with home gardens and truck crops, and commercial orchards.

Home Gardens and Truck Crops: The work with home gardens and truck crops was educational and promotional, using news articles, radio, bulletins and personal contacts to encourage and assist farm families to produce adequate vegetables to supply requirements for fresh produce at home with surplus for sale. Truck crops grown were sweet potatoes, cantaloupes, watermelons, cucumbers, beans, okra, tomatoes, roasting ear corn, turnips, and various greens. These were grown in small acreages for sale on local nearby markets. The production of these crops has brought a nice supplementary income to many farmers.

Commercial Peach Production

Work with commercial peach growers in 1948 consisted of information and demonstrations on pruning, spraying, fertilizing, thinning, planting of cover crops, insect and disease control, and assistance in completing arrangements for harvesting and marketing the crop produced. All commercial growers received the Monthly Orchard Letter from the Extension Horticulturist, which contained practical and timely information on the various phases of peach orchard management.

Commercial Plantings: planting peaches for commercial purposes began in the county in 1931, when about 1000 trees were planted and the plantings have gradually increased until now. It is difficult to get exact figures on the number of trees in the county, but it is estimated that there are approximately 320,000. During the past season, a number of trees were pulled out. These included some of the early varieties with poorer eating and shipping qualities, such as the Carmen, Red Bird, Early Hiley, and a few Golden Jubilees. Some of the newer varieties, such as Triogen, Dixie Gem, Red Haven, and Jersey Land, have been planted to offset this. The trend is also towards contour planting on rolling high lands with the rows so arranged as to give both water and air drainage, and there are several very effective demonstrations of this type of planting in the county. The Extension Service has cooperated closely in this steadily growing industry in Cherokee County, and the growers are making an effort to produce high quality of fruit.

Marketing Activities: There is a very close relationship between production and marketing activities, and Extension workers of the county have taken an active part in peach inspection and marketing.

Educational Activities: In addition to the Monthly Extension Orchard Letters growers were given other timely information through the County Agent's office, and visits were made to the orchards throughout the year. Four method demonstrations were given in pruning and three were given in thinning young peaches.

MARKETING

Extension work in Marketing in 1948 consisted of work with peach growers, in harvesting, grading and marketing their crops, in miscellaneous advice and assistance to cantaloupe, watermelon, truck crop and turkey growers in connection with their marketing problems, and in assisting farmers generally in locating and buying certain items which they needed and with which they requested assistance.

Peach Marketing: Due to late, cold weather which greatly reduced the crop of peaches, peach marketing was no problem but assistance was given those packing sheds which operated in the form of market inspection.

TVA Ammonium Nitrate: A sub-committee of the County Agricultural Committee was set up to allocate, order and distribute a carload of ammonium nitrate, which was made available by TVA for use on pasture and grazing crops. Forty tons of the material were distributed to 22 farmers at a total cost to them of \$2504.00.

Turkey and Poultry Marketing: As best we can determine, about 27,000 turkeys were grown out and marketed in the county mainly by 7 growers, who sold for top prices in most instances. Three of these growers have electrically driven picking machines and dress their birds before marketing. They also dress turkeys for other growers. The report of the inspectors indicate that they did a good job. Growers had no special problems in marketing their turkeys, so no assistance was requested from Extension Agents. We estimate the total sales of turkeys from this county amount to about \$270,000.00.

General information and advice was given these turkey growers through the letters prepared and mailed to them by the Extension Turkey Specialist, and by visits by these specialists and local extension workers.

Assistance in the marketing of broilers and culled hens has been of a general nature. In a few instances markets were found for surplus poultry.

Miscellaneous Marketing: County Extension workers in the county have assisted farmers in various types of marketing, such as buying and selling of seed, of pasture grasses and legumes, sweet potatoes, pigs, poultry, dairy cattle, forest trees, rat poison, etc.

A summary of this marketing activity is given on the following page:

Summary Marketing Work 1948

| Products | Number | | Value Bought | Value Sold |
|-----------------------------|------------|----------|--------------------|------------------|
| | Farmers | Quantity | | |
| Sweet Sudan Seed | 1 | 200 lbs. | 32.00 | |
| Dallis Grass Seed | 1 | 50 " | 32.50 | |
| Autauga Crimson Clover Seed | 1 | 200 " | 130.00 | |
| Ladino Clover Seed | 2 | 56 " | 134.40 | |
| Alta Fescue Seed | 3 | 1500 " | 804.00 | |
| Sweet Sorghum Seed | 1 | 65 " | | 13.00 |
| Sweet Potato Seed | 22 | 54 Bus. | 189.00 | |
| Pigs | 1 | 1 | | 17.50 |
| Pullets | 10 | 120 | | 278.00 |
| Chicks | 10 | 1000 | 130.00 | |
| Poultry | 12 | 710 lbs. | | 210.13 |
| Dairy Cattle | 5 | 6 | 1310.00 | |
| Queen Bees | 3 | 5 | 3.75 | |
| Forest Seedlings | 32 | 92,000 | 46.00 | |
| Louse Powder | 1 | 5 | 2.75 | |
| Rat Poison | 273 | 971 | 338.00 | |
| Ammonium Nitrate | 22 | 40 tons | 2504.00 | |
| Totals | 401 | | \$ 5,656.40 | \$ 519.13 |

It will be noted the above summary does not include the marketing work in connection with the peach crop of the county, valued at about \$200,000.00, nor the turkey crop valued at about \$270,000.00. Extension workers have cooperated in the development of these industries, including the marketing phases, but assume no credit for the actual sales of these products.

POULTRY

Extension work in poultry production in Cherokee County in 1948 consisted of general educational and promotional work to assist in improving poultry production, broiler production, and turkey production, and in conducting demonstrations with 4-H Poultry club members.

The Sears Poultry Chain Project in which ten 4-H Club boys and girls grew out 1000 chicks is reported under 4-H Club Work.

Poultry Flock Improvement Demonstrations: The Win-Easy Hatchery qualified under the National Poultry Improvement Program and supplied tested chicks for many growers in the county.

A summary of the Poultry Flock Improvement demonstrations follows:

| Summary Poultry Flock Improvement Demonstrations | | | | | |
|--|-------------|-------------------|------------------|-----------------------------|--------------------|
| Name | No. Birds | No. Birds Reacted | No. Birds Culled | No. Doz. Hatching Eggs Sold | Value with Premium |
| J. C. Cash | 1012 | 0 | 240 | 4659 | \$ 3,766.28 |
| D. K. McGill | 435 | 0 | 21 | 2500 | 1,875.00 |
| Dewitt Moss | 1275 | 0 | 30 | 8580 | 6,864.00 |
| Fred Thomason | 248 | 0 | 4 | 450 | 360.00 |
| Totals | 2970 | 0 | 295 | 16,189 | 12,865.28 |

Turkey Production: Turkey production work consisted of advice and assistance given 7 commercial turkey growers of the county, who grew and marketed about 27,000 turkeys for markets. Several of the growers have dressing plants of their own in which they dress their own turkeys and, in some cases, those of their neighbors. Practically all of the turkeys produced in the county are sold dressed. The quality of the birds produced and the job of dressing which has been done has been pronounced good by buyers. No special problems arose during the year and no record demonstrations were completed. The marketing of these turkeys is discussed under the head of Marketing.

VISUAL INSTRUCTION

The motion picture projector supplied to the County Agent's office has been of great assistance in varying informational material to farmers. It has been used in meetings of adults and with 4-H Clubs as well. A Summary of the use of motion pictures in 1948 follows:

Summary Use of Motion Pictures

| Visual Aid Used | No. Meeting | Attendance |
|----------------------------|-------------|------------|
| Motion Pictures and Slides | 77 | 2700 |

PUBLICITY

Publicity and distribution of educational information in connection with the 1948 Extension Program in Cherokee County was done through individual and circular letters, press articles, distribution of bulletins and radio talks. A summary of the work done in this connection follows:

Summary Publicity Work

| | |
|----------------------------|-------|
| Individual Letters Written | 959 |
| Circular Letters Written | 53 |
| Copies Mailed | 7,981 |
| Press Articles | 195 |
| Bulletins Distributed | 2,130 |
| Radio Programs | 66 |

A total of 53 Circular Letters were prepared and 7,981 copies mailed to farmers and 4-H Club members in Cherokee County in 1948. These letters contained information on timely agricultural matters, notices of meetings, and information and results of demonstrations and experimental work. A few specimen copies of circular letters are attached to this report.

Press Articles: A total of 195 press articles of timely agricultural interest were prepared and published in weekly news columns, in both The Gaffney Ledger, which is a local tri-weekly newspaper with a circulation of about 3600 copies, and The Spartanburg Herald, which is a daily newspaper in the adjoining county of Spartanburg, but which has a circulation of about 2600 copies in Cherokee County. The weekly news column usually appears in the Gaffney Ledger in its Thursday issues, and in The Spartanburg Herald in its Monday issues each week. In most cases, practically the same material is used for both papers with adjustments made necessary because of the difference in dates used. We hear very favorable comments on these columns and feel that they have been very helpful to our County Extension Program.

Radio Talks: A total of 66 radio talks on Agricultural subjects were made by the County Agents over Radio Station WSPA located at Spartanburg. These talks were made each Friday afternoon as a part of the "Piedmont Farm Hour" conducted by "Farmer" Gray, Farm Service Director of that Station. Radio Station WFGN at Gaffney began operating in the spring. The two Farm Agents and two Home Agents put on a weekly program on Tuesday over this station on the "Farm Service Parade" sponsored by Smith Hardware Company.

The comments we have heard in connection with these radio talks have been very favorable, which causes us to believe that radio programs offer an opportunity to reach all classes of people, many of whom are not reached by other forms of publicity.

Bulletins Distributed: A total of 2130 bulletins were distributed to farmers, 4-H Club members, and others during the year. These were distributed at various meetings, by being mailed with appropriate circular letters and to callers at the County Office where a reasonably complete assortment of Extension Service and USDA bulletins and circulars is kept on display. It is interesting and encouraging to note the number of people who take one or more of these when they visit the office and see them.

A.A.A. ACTIVITIES

The County Agents have served as advisory members of the County Committee of the Cherokee County Agricultural Conservation Association, and have met with this committee and with the Community Committeemen from time to time in order to keep informed as to the progress and activities of this agency. The County Agents have conducted educational phases of the program by urging landowners to carry out sufficient soil-building practices to earn full soil-building allowances, and by giving information and suggestions for carrying out these practices.

Farmers have obligated 100 percent of the total soil -building allowance for the county in 1948. Their reports of compliance have not been completed but it appears that all of their allowance will be earned. The use of terracing, limestone, and superphosphate have been reported under Soil Conservation and Agronomy.

Miscellaneous County and Community Activities

A summary of miscellaneous county and community activities, semi-official in character, but not strictly Extension work, are listed as follows:

American Red Cross: Extension workers have endeavored to keep informed as to the progress and services of the American Red Cross, and have from time to time advised interested farm families in regard to the work of this Agency.

Rotary Club: The County Agent is a member of the Gaffney Rotary Club and during the year discussed various farm problems and programs with individual members and the club as a whole, who are very cooperative in their attitudes.

Cherokee County Pomona Grange: The County Agents are members of the Cherokee County Pomona Grange, which usually holds its meetings in the County Agent's office. The Grange is very much interested in the County Extension Program.

Piedmont Interstate Fair Association: Extension workers from the county cooperated with Extension workers in Laurens, Spartanburg, and Union Counties in putting on an exhibit depicting the 4-H Club work in the four counties.

Cherokee County Quail Project: The County Agents worked closely with the County Delegation and the County Game Warden in developing the Cherokee County Quail Project. Fifty mated pairs have been used in this project.

These birds were obtained on June 18, and laid approximately 1500 eggs, from then to the end of the season. The eggs were placed in incubators and 1199 baby quail were hatched. These young birds were placed with 4-H Club members and farmers to be grown out, with the understanding that one-half of the birds living March 1, 1949 would be returned to the County Project. The birds left with club members and farmers may be released on their farms or used to grow others in captivity. Those returned to the project will be used to enlarge the project and to distribute to other farmers for release. A recent survey indicates that approximately 75 percent of the young birds are still living.

Summary Cherokee County Quail Project

| | |
|-----------------------------|-----------------------|
| Date Project Started | June 18 |
| Pairs of Birds in Project | 50 |
| No. Eggs Laid | 1525 |
| No. Young Birds Hatched | 1199 |
| No. Young Birds Living | (Approximately) 900 |
| Per Cent Young Birds Raised | 75 |

CIRCULAR LETTERS

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

Gaffney, South Carolina

EXTENSION SERVICE

January 7, 1948

TO CHEROKEE COUNTY COMMUNITY AND NEIGHBORHOOD LEADERS:

Dear Sir Or Madam:

The Cherokee County Rat Control Campaign is under way. Orders are being taken for the poisoned rat bait every day. Dooms day for the rats will be January 29. The red squill poison will be mixed with fish, corn meal and oatmeal on that day, and the three-pound packages will be prepared and delivered to the communities where the farmers will pick them up in the afternoon.

The poisoned bait will be placed around the barns, chicken houses, granaries, and other places where rats run and feed that evening and the dead rats will be picked up the next day.

Orders for rat poison will be received through Wednesday, January 14. After that date no orders can be taken as it requires about two weeks to order and get delivery on the squill and fish.

The following stores throughout the county are cooperating in this program by taking orders and helping deliver the material. You may leave your order at one of these stores by January 14, and pick up your poison there after 3:00 P. M. on January 29:

Vernon Griffin's Store at Thicketty
Wayne Jolly's Store at Macedonia
Scruggs' Store near Cowpens Battleground.
C. Q. McCraw's Store at Cherokee Church
Humphries' Store at Grassy Pond
J. H. Hopper's Store at Buffalo
Smith's Esso Station on Pacolet Road
Wilkins' Store at Asbury
Kendrick's Store near Sunnyside
M. E. Lowry's Store at Wilkinsville.

Orders will also be received by W. H. Plumblee, Agricultural Teacher at Gaffney High School, Paul Hambright, Agricultural Teacher at Blacksburg, and the County and Home Agents and Assistant Agents.

The three-pound package which is sufficient for an average size farm will cost \$1.00. People who study rats tell us that one rat will eat and waste \$4.00 to \$5.00 worth of grain in a year.

Order yours today, and urge your neighbors to order some too.

Very truly yours

T. B. Lee

Teresa Caskey
Teresa Caskey, Home Dem. Agent
Gladys League
Gladys League, Asst. Home Agent

T. B. Lee, County Agent
L. J. P. Stone
L. J. P. Stone, Asst. Co. 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

Gaffney, South Carolina

EXTENSION SERVICE

January 12, 1948

Dear 4-H Club Parents:

We are glad to have your boy enrolled in the 4-H Club this year, and hope that he will receive some benefits by being a member of this organization. There are some 300 or more boys enrolled in Cherokee County, and we are doing our best to make it a profitable thing for them.

Each club member is supposed to carry a project like a pig, chickens, calf, or a small acreage of cotton, corn, sweet potatoes, garden or something of that kind, and keep a record on it of expenses and receipts. This will help to teach him the business angle of farming; and we sincerely hope that you will cooperate with your son in making it possible for him to carry a project. Enter into an agreement with him and, if necessary, let him pay rent and teach him now to learn how to make money, then teach him how to spend it.

If at any time we, in the county agents' office, can be of any help in any way to him or to you, we will appreciate your calling on us. We would like to visit your son often, but due to the large number, this is an impossible thing, but will be glad to come any time that there is a particular problem on which he needs help.

We extend a cordial invitation to the parents of all club members to attend our meetings at the schools where we have our clubs, and would particularly like for you to attend the January meeting. Encourage your boy in this worthy experience and show your interest by attending some of these meetings to see what we are trying to do.

Would like to call your attention to the county-wide Rat Control Campaign which we have underway, and if you have not placed your order for poisoned bait, do so at once at one of the designated places. You may check your newspaper for this information. Place your order by next Thursday, January 15.

Very truly yours

L. J. P. Stone

L. J. P. Stone
Assistant County Agent

LJPS:FS

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

Gaffney, South Carolina

EXTENSION SERVICE

March 23, 1948

Dear Sir or Madam:

On Monday night, March 29, at 7:45 at Gaffney High School, there will be a meeting of dairymen and others interested in cattle to discuss various problems in connection with milk production.

The motion picture "No Hand Stripping" will be shown. This picture, by Dr. Pederson of Minnesota, clearly shows the best methods of mastitis control.

In addition to the picture, we plan to have a good discussion of feed and pasture production.

This meeting will be of interest to the man with one or two cows, as well as to the large dairymen.

Try to be there.

Very truly yours

T. B. Lee

T. B. Lee
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

Gaffney, S. C.

Extension Service

May 4, 1948

Dear Sir or Madam:

We are asking the County Agricultural Committee to meet at the County Agent's office, in the basement of the Court House, at 2:30 P. M. on Monday, May 10. Two very important matters will come up for discussion on which we need your assistance.

1. The Broad River Soil Conservation District (formerly composed of Cherokee, Spartanburg and Union Counties) has been dissolved and the Cherokee Soil Conservation District is in the process of being formed. W. C. Camp and M. B. Salmon have been appointed supervisors of this district. It is their duty to complete the organization by arranging for the nomination and election of three other supervisors. They ask for your assistance in this matter.

2. Boll weevil damage is increasing in this area. New insecticides make it possible to control these pests. We need a well organized campaign to combat the weevils this year. Your assistance is very necessary. We are inviting in a few commercial people interested in cotton production, such as fertilizer and insecticide dealers, ginners, crushers, and farm machinery people.

Please be here on time.

Very truly yours

Teresa Caskey
Teresa Caskey
Home Demonstration Agent

Gladys League
Gladys League
Asst. Home Demonstration Agent

T. B. Lee
T. B. Lee
County Agent

L. J. P. Stone
L. J. P. Stone
Asst. County Agent

COOPERATIVE EXTENSION WORK
In
AGRICULTURE AND HOME ECONOMICS
State of South Carolina

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

Gaffney, S. C.
July 8, 1948

Extension Service

To Members of Cherokee County Agricultural Committee and
Community and Neighborhood Leaders.

Dear Sir or Madam:

South Carolina Farmer's Week will be held at Clemson, August
23-27. You as farm leaders are specially urged to attend.

The program will include two morning periods in the College
classrooms, laboratories, and at other places on the campus at which lectures,
demonstrations and discussions will be held on subjects relating to agriculture and
farm home making. The mid-day programs will consist of general assemblies in the
College outdoor theater, or the College chapel in case of rain, at which there
will be music, and addresses by outstanding speakers on subjects of interest to
farm people. The afternoons will be devoted to tours to the College farms, and
demonstrations of up-to-date farm practice on the College farms and at other
nearby places.

The evening programs will be featured by music, entertainment,
and addresses by outstanding speakers.

Among the speakers who will appear on the mid-day and evening
programs are Allan B. Kline, President of the American Farm Bureau Federation;
Ralph McGill, Editor of the Atlanta Constitution; Dr. R. F. Poole, President of
Clemson College; Donald Russell, Attorney, Spartanburg; Mrs. Raymond Sayre, Presi-
dent of the Associated County Women of the World; W. A. Sutton, State 4-H Club
Leader of Georgia; and Governor J. Strom Thurmond.

Exhibits will include educational exhibits by the various
College departments and the Home Demonstration Service, and, in addition, all the
latest farm machinery and farm and home equipment by manufacturers and dealers.
Most of the farm machinery and farm and home equipment will be in operation on
the College farms, and in the College buildings throughout the week.

Those attending Farmer's Week will be given rooms in the barracks
in return for a registration fee of fifty cents. This fee is the same whether a
person stays in the barracks one night or all four nights. Meals will be served
in the dining hall. Breakfast will cost 50 cents, lunch 65 cents, and supper 65 cents

It will be necessary for visitors to bring blankets, sheets,
towels, pillows, pillow cases, soap, etc.

Farm people who plan to attend Farmer's Week should make appli-
cation for reservations to the County Farm or Home Agents as early as possible.
~~We understand that requests for reservations are coming in fast.~~ Get yours in soon.

Very truly yours

T. B. Lee
T. B. Lee
County Agent

Jessie Caskey
Teresa Caskey

L. J. P. Stone
L. J. P. Stone
Asst. County Agent
Gladye League
Gladye League

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

Gaffney, South Carolina

EXTENSION SERVICE

July 15, 1948

Dear 4-H Club Member:

I am sure that most of you have been busy with your projects and other activities up to now, and wish I could come to see more of you than I have been to see so far, but it takes time to get around to some 395 boys.

I would like to take this means of reminding you to keep your record books up to date. I am very interested in taking pictures of good club projects, and there are certain stages some projects will take better pictures than others, and if you have a project that I could take a picture of, please let me know when it will be best for me to come. I would like for you to keep in mind too that we have a good number of boys and I am not able to get to all of them, but I am very anxious to build up a good program of 4-H Club boys and their projects in this way.

I hope to be able to put on a picture show of Cherokee County 4-H Club members when we start our regular club meetings in the schools.

Just drop me a card or call me, or send me word and I will be right out to see you.

Very truly yours

L. J. P. Stone

L. J. P. Stone
Asst. County Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

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

Gaffney, South Carolina

EXTENSION SERVICE

August 31, 1948

Dear Sir:

We are planning two short tours on Thursday and Friday afternoons of this week to observe some corn and pastures. The places selected were chosen for convenience, and because they will give us an idea of what we are trying to teach.

The tour Thursday, September 2, will begin at 2:30 P. M. at Sunnyside School, on the road below Wilkinsville, and from there we will go to Mr. M. G. Johnson's farm to study his Fescue and other pastures. We also plan to visit the Fescue of Curtis and Howard Pridmore. The other stop on this trip will be the John Fowler farm to observe some corn that is being grown there by Major H. C. Moore.

For the trip Friday, September 3, we will meet at 2:30 P. M. at the farm of Chas. J. Hamrick, in the Grassy Pond community, where we will study some corn. From there we will go to Senator Geo. W. McKown's place to study his Fescue and, if time permits, we will go to Edward McKown's dairy to observe his irrigation system.

There are many other good corn fields and pastures in the county, but if we take the time we should in discussing various problems connected with corn and pastures, we will be unable to visit these. However, we will suggest that you visit your neighbor's good field or pasture to observe methods there. Such visits often give us ideas that are helpful.

Hoping to see you on one of these tours, we are,

Very truly yours

T. B. Lee
T. B. Lee
County Agent

L. J. P. Stone
L. J. P. Stone
Asst. County Agent

TBL:FS

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

Gaffney, South Carolina

EXTENSION SERVICE

September 6, 1948

TO CHEROKEE COUNTY AGRICULTURAL COMMITTEE MEMBERS:

Dear Sir or Madam:

In order that you may keep up with some of the things going on in agriculture in the county and state, I am enclosing herewith

- (1) Farm Situation and Outlook
- (2) Agricultural Progress in South Carolina 1947
- (3) A copy of Cherokee County Grazing Schedule.

Each one of you has one or more cows, and we feel that this grazing schedule will contain some information which will be of help to you in feeding your cattle as cheaply as possible, and at the same time getting the highest yields possible.

Very truly yours

T. B. Lee

T. B. Lee
County Agent

Encls.

TBL:FS

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

Gaffney, South Carolina

EXTENSION SERVICE

October 12, 1948

TO MEMBERS OF CHEROKEE COUNTY AGRICULTURAL COMMITTEE:

Dear Sir:

The TVA has allocated some nitrogen fertilizing material to Cherokee County to be used on demonstrations of pasture and grazing crops. They ask that the County Agricultural Committee meet to appoint a sub-committee to handle this material. This sub-committee will need to elect a treasurer and have him bonded and then allocate the material to the various farms in the county which request it. The sub-committee also will order out the material and over-see its distribution.

In order to get organized and be in position to handle this material, Mr. W. C. Camp, the Chairman of the Committee, has asked that I notify you of a meeting to be held in my office on Friday afternoon, October 15, at 2:30.

Please be on hand to assist with this very important matter.

Very truly yours

T. B. Lee

T. B. Lee
County Agent

P. S. I am enclosing some material which I have just received from Clemson with reference to the farm outlook.

T.B.L.

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

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

Gaffney, S. C.
November 29, 1948

EXTENSION SERVICE
HOME DEMONSTRATION WORK

Dear 4-H Leader or Officer:

December 3 and December 4 are two red letter days for Cherokee County 4-H Members. On December 3, you are invited to the Annual 4-H Leader-Officer Training Meeting and Banquet at the Grassy Pond School House, beginning at 5 o'clock. Several State Extension Leaders from Winthrop and Clemson Colleges will conduct the training meetings for the leaders and officers, and this meeting should be over by 6:30 P. M.

Immediately following the training meeting, we will again be honored with a Leader-Officer Banquet, sponsored by one of our local department stores. The Grassy Pond Home Demonstration Club is in charge of serving the banquet. We hope that all leaders and officers can come, as this is given in their honor.

On Saturday, December 4, at 10 o'clock, at the Gaffney High School Auditorium, we will meet to celebrate our Annual 4-H Achievement Day. During the program we will have a panel discussion on our new goals in 4-H Club work for this year. Other interesting things await us on that program, too, so be sure to come and join us. Besides having a nice time, we think that you will learn something that will help you to be a better club member. If you do not have a way to the meeting on Saturday, why not bring Mother and Dad along too?

Enclosed for your convenience is a ready addressed and ready stamped card. Please send this to us by return mail, as it is absolutely necessary that we know exactly how many to plan for at the banquet. We hope you can be with us.

Sincerely yours,

Gladys League
Gladys League
Asst. Home Dem. Agent

L. J. P. Stone
L. J. P. Stone
Asst. County Agent

NEWS ARTICLES

FARM NEWS

By T. B. LEE, County Agent

Blanket of Green

That blanket of green we have been talking about is showing up on many farms. The fescue, Ladino clover, crimson clover, rye grass, oats and barley that have been seeded for permanent pasture or winter grazing are covering many acres with green.

Many farmers are beginning to seed their winter grain crops and these will add many more acres of green cover to protect our soils this winter.

I have been interesting in watch-

ing the growth of some grazing mixtures on the farms of Mr. B. T. White and Senator George McKown. In both instances the fields were seeded and lack of moisture delayed germination. Both men started irrigation but did not get over their entire fields. The irrigated portion came up first and, so far, have grown off faster. If dry weather had continued longer, as it sometimes does, the difference would have been even greater.

Boll Weevil Poison Effective

Picking time shows up pretty clearly the weevil damage that has occurred in a field. Quite often a farmer may think that his cotton is not being hurt by weevils, but when picking begins he finds many bolls with only one, two or three locks.

Last summer we made weekly weevil infestation counts in the fields of C. F. Swofford, Elzie Tate, J. C. Bonner, Lyman Sparks, and W. H. Potter. When the infestation began to appear serious each of these farmers made one or more applications of poison.

I have recently talked with these men and they report that the poison they used helped them to produce more cotton than they would have made without it.

Quail Project Exhibit

If you attend the Spartanburg Fair be sure that you go by and see the exhibit of the Cherokee County Quail Project. It is in the building which is marked "Sportsman's Exhibit." I believe that you will find it and other things in this building very interesting.

FARM NEWS

By T. B. LEE, County Agent
County Agricultural Committee Meeting

Business organizations have their boards of directors, churches have their deacons and stewards, and schools have their trustees, to guide, counsel and direct. The Extension Agents in each county have the County Agricultural Committees for this purpose.

The Cherokee County Agricultural Committee met at the Agent's office Wednesday morning to consider reports from the agents on the work done during the past year to discuss plans for the coming year. Several committees were appointed to handle various phases of the work.

A more complete report on this meeting and on the past work and future plans will be given in this column from time to time.

Poultry Route

Douglas Green, who buys poultry in several Piedmont counties in cooperation with the county agents, will be in Cowpens at 1:00 P. M. and in Chesnee at 2:30 P. M. Saturday, November 6. He will be in Gaffney again on Saturday, November 13, from 9:30 to 11:00 A. M.

Feed Pasture Grasses Same as Other Crops

There is nothing mysterious in the method by which pasture grasses and legumes obtain the necessary nutrients for normal growth. W. H. Craven, Clemson Extension Agronomist, points out that these plants, like our field crops, require plant food if satisfactory growth is made.

He says for some unknown reason the theory that pasture plants require little or no fertility has been accepted by too many growers. Mr. Craven cautions that calcium alone is not enough nor will the addition of phosphorus and potash produce maximum growth in all cases. If a satisfactory sod of grasses and legumes is established, these plants will require calcium, phosphorus, potash, and nitrogen.

"These requirements have clearly been shown by a large number of pasture demonstrations which

have been conducted in all parts of the state during the past three years," Mr. Craven says. "In fact, in many of these demonstrations nitrogen has been the limiting factor."

"For maximum growth of both grasses and legumes, it must be remembered that a legume cannot fix its own nitrogen until it has become well established. There is a small percentage of our permanent pastures in South Carolina where nitrogen is not the limiting factor."

"In these pastures we find a well-established sod of not only grasses but legumes and in no cases are the legumes grazed too closely. Should overhanging occur in these pastures, the nitrogen again will become a limiting factor notwithstanding the fact that sufficient calcium, phosphorus, and potash may be present in the soil," he adds.

"Our extension pasture program is now based on an application of a complete fertilizer plus sufficient lime to bring the pH to 6.5," Mr. Craven says. "Under average conditions, an application of 500 pounds of a 3-12-12 fertilizer and

from one to two tons of lime per acre are necessary the first year in establishing permanent pastures. From this point on these pasture plants must be fertilized as if they were commercial field crops," he concludes.

Plant Clean Seed Wheat

W. C. Nettles, leader, Clemson Extension Entomology and Plant Disease Work, today urged wheat growers in the upper Piedmont counties to carefully examine their seed wheat for blackish galls which indicate the presence of nematode. He says they should discard any and all affected seed and plant clean seed on clean soil.

He warns that nematode disease may cause losses in yield of 58 per cent and in addition the grain produced may be severely docked by mills. He suggests the loss can be prevented 100 per cent as numerous farmers have found that control can be satisfactorily secured on any individual farm or community. Concerted action can bring about eradication of this trouble by planting clean seed on clean land. Additional information may be secured from Extension Circular 264.

He says the above warning is especially applicable for Anderson, Oconee, Pickens, Greenville, Spartanburg, Cherokee, York and Lancaster counties.

FARM NEWS

By T. B. LEE, County Agent

Pasture Meetings Successful

The pasture and grazing meetings held this week at Ashworth, Midway and Wilkinsville have been attended by groups of farmers who showed much interest in providing more green grazing crops for their cattle during the winter.

Other meetings will be held at Grassy Pond, Thursday night and Gowdeysville, Friday night. Both meetings will begin at 8 o'clock. The colored pictures we are using have a lot of local interest, as well as educational value.

Watch Pullets While in the

Laying House

The flock owner's job is not over when the pullets are put into their laying quarters, according to P. H. Gooding, leader, Clemson Poultry Extension Work. He cautions that if he wants to make these pullets the most profitable, the owner must keep an eye on them from the time they are put in the laying house until the whole flock comes into production.

"It may be that some of the more aggressive pullets will keep others fought off from the feed hoppers," Mr. Gooding points out. "In such cases, additional feed hoppers may correct the trouble. In other cases, it might be well to remove some of the less aggressive pullets and put them in a pen to themselves."

"It would be wise to cull out the slow developing pullets that are late coming into production," he advises. "Three years' trials here at Clemson showed that White Leghorn pullets which were not laying by the time they were 7 months old seldom laid enough eggs to pay for their keep. The same was found true of Rhode Island Red pullets which were not laying by the time they were 7½ months old."

"It is a wise plan to go into the house with a dim flashlight or lantern after the birds go to roost to see if certain parts of the roosting space is avoided because of drafts or other reasons. It may be necessary to place some of the pullets on the roost at night until they get the habit of going on it," he adds.

Mr. Gooding cautions that care should be taken to see that the house is kept as cool as possible when pullets are moved in. He says this may be done by opening the back ventilators. If the birds get too hot some may die and others may take a partial molt which will prolong the time when they come into production.

"Sometimes considerable trouble is experienced by getting a large number of floor eggs," he points out. "Additional nests may help correct this trouble. If one nest to every four or five hens is already provided, the trouble may be corrected somewhat by darkening the the nests. This can be done by making the nests deeper or by hanging some feed bags about 18 inches in front of them. If the birds still refuse to use the nests, it would be wise to put some nests on the floor until the pullets get accustomed to using them, and then they could be put in their regular places," he advises.

Cattle Show and Sales

We have received notice of several cattle shows and sales to be held in the near future, which may be of interest to some of our farmers.

The Fairfield County Beef Cattle Sale will be held Friday, September 24, at Wimsboro, beginning at noon. Five hundred head of cattle will be sold. These will consist of fat cattle, feeder cattle and good grade heifers.

The Chester County Guernsey Festival will be held on Tuesday, September 28.

The pre-festival queen's ball will be held at the Chester armory Monday night, September 27, beginning at 7:30 o'clock and the annual Chester County Guernsey Sale will be held at noon Wednesday, September 29.

The formal opening of the festival will take place Tuesday morning at 9:45 and during the afternoon and evening the program will feature the Guernsey festival parade, military band concert, night show, and other entertainment features.

"While there will be many interesting features of the entertainment of the thousands of visitors expected, we hope those who attend will not overlook the educational value of such an event, county agent said. "This should be especially true of 4-H club and FFA members who will have an opportunity to see competent judges place the various classes of Guernseys and to study the reasons why one animal is placed before another."

Mr. George DePass has announced that he will disperse his herd of purebred Herefords at auction, on Monday, October 4, at the farm in the southwestern part of the county. The sale will begin at 1:00 p. m.

FARM NEWS

By T. B. LEE, County Agent

Cotton and Corn Contests

Entries in these contests are coming in all along. At this writing we have seventeen contestants in the cotton contest. Eight adults and eight boys have entered the corn contest. Closing date for entering the cotton contest is July 1, while entries in the corn contest must be in June 1. This is only a few days away. You good corn farmers who haven't done so, come in and sign up.

4-H Camp

Approximately 250 4-H boys and girls and their leaders will leave next Monday morning for a five day stay at Camp Bob Cooper, on the shore of Santee-Cooper Lake, just south of Manning, S. C.

The group will travel in school buses, leaving the Cherokee County court house about 9 o'clock Monday morning. Since they will not arrive at camp until after lunch time, each member will carry picnic lunch to be eaten on the way. A member of the South Carolina Highway Patrol will accompany the campers as escort.

While at camp club members will be busy with a full schedule of instruction, inspiration and recreation. There will be instruction in tractor care and operation, electricity, swimming, water safety, nature study, weaving, lamp making, marksmanship, good personal appearance.

Recreation will consist of soft ball, volley ball, basketball, archery, horse shoe pitching and swimming.

Each morning there will be a chapel service and each evening there will be vespers. These services are very impressive and inspirational.

Alfalfa

I have recently seen the alfalfa on the farms of George Goforth, Bate Pettit and Dewitt Moss. Each field has been cut once and is almost a foot high again. These men are all well pleased with the crop.

Several other farmers have asked for suggestions on getting ready to seed alfalfa this fall. The first step is to have the soil tested and to apply the amount of lime needed to bring the pH value of soil to 6.5-7. A cover crop turned under in late July will add helpful organic matter. The soil should then be kept harrowed until September when the fertilizer and seed will be put in.

FARM NEWS

By T. B. LEE, County Agent

Farmers' Week at Clemson

South Carolina Farmers' Week will be held at Clemson August 23-27.

The program will include two morning periods in the College classrooms, laboratories, and at other places on the campus at which lectures, demonstrations and discussions will be held on subjects relating to agriculture and farm home making. The mid-day programs will consist of general assemblies in the College outdoor theater, or the College chapel in case of rain, at which there will be music, and addresses by outstanding speakers on subjects of interest to farm people. The afternoons will be devoted to tours to the college farms, and demonstrations of up-to-date farm practice on the college farms and at other nearby places.

The evening programs will be featured by music, entertainment, and addresses by outstanding speakers.

Among the speakers who will appear on the mid-day and evening programs are Allan B. Kline, president of the American Bureau Federation; Ralph McGill, Editor of the Atlanta Constitution; Dr. R. F. Poole, president of Clemson College; Donald Russell, Attorney, Spartanburg; Mrs. Raymond Sayre, president of the Associated County Women of the World; W. A. Sutton, State 4-H Club Leader of Georgia; and Gov. J. Strom Thurmond.

Exhibits will include educational exhibits by the various College departments and the Home Demonstration Service, and, in addition, all the latest farm machinery and farm and home equipment by manufacturers and dealers. Most of the farm machinery and farm and home equipment will be in operation on the college farms, and in the college buildings throughout the week.

Those attending Farmers' Week will be given rooms in the barracks in return for a registration fee of fifty cents. This fee is the same whether a person stays in the barracks one night or all four nights. Meals will be served in the dining hall. Breakfast will cost 50 cents, lunch 65 cents, and supper 65 cents.

It will be necessary for visitors to bring blankets, sheets, towels, pillows, pillow cases, soap, etc.

Farm people who plan to attend Farmers' Week should make application for reservations to the County Farm or Home Agents as early as possible. We do not know how many will attend but we do not want Cherokee County people to put it off and get left out.

Hereford Field Day

The S. C. Hereford Association will hold a field day at C. W. Anderson's farm on Highway 56 north of Clinton, S. C., Friday, June 25, according to J. R. Hawkins, Secretary of the Association. He says, "The judging contest will start at 10:00 a. m., lunch will be served at noon and the farm, the pastures and the herd of registered Hereford will be visited. He, hope to make the day profitable and entertaining to everyone interested in beef cattle."

Attending this field day will be a good way for some of our beef cattle men to spend the day.

Peaches

I recently made a trip to Fort Valley, Georgia, in company with several neighboring County Agents, and Roy J. Ferree, Extension Peach Specialist.

The impression we got while talking with peach growers and experiment station workers is that Georgia will not ship as many peaches as was estimated earlier in the season. The Fort Valley area has had a long drought. The peaches are small and the quality isn't too good.

We saw two of the more promising new varieties, Southland and Sullivan's Elberta, just getting ripe. Normally these varieties will ripen around July 1, here in Cherokee.

One thing that impressed me is the fact that these older peach

producing areas have built up disease and insect infestations, over a long period of years, to the point that they now have a hard fight to produce salable fruit.

We, in the newer areas must continually be on guard so that we will not let those pests get the upper hand.

FARM NEWS

T. H. LEE
4-H Rally Day

A large attendance of boys and girls is expected at the annual 4-H Council Rally which will be held at the Gaffney High School beginning at 10:30 a. m. on Saturday, May 8. The theme for the Rally will be "Creating Better Homes Today for a More Responsible Citizenship Tomorrow." The guest speaker will be Miss Gertrude Lanham, district home demonstration agent. Sybil Humphries, president of the County 4-H Council, will preside. Several appropriate songs will be sung and the 4-H pledge will be taken in unison by the group.

One feature of the program will be a "Talent Parade." Representatives of each community club have been asked to prepare a short stunt to assist with the entertainment of the group. Some real fun is expected at this stage of the program.

After the fun, the group will get down to serious business again. This time it will be the business of eating. Each child will bring his or her lunch and it will be eaten picnic style to complete the program.

The Cherokee County 4-H Council is composed of 22 community clubs with a total enrollment of approximately 900 boys and girls.

Cherokee Soil Conservation District

W. C. Camp and M. B. Salmon were recently appointed supervisors of the Cherokee Soil Conservation District which is now in the process of being organized as one of three districts to replace the old Broad River Soil Conservation District. Mr. Camp and Mr. Salmon have before them the job of getting three other supervisors nominated and elected as the law provides.

The Cherokee County Agricultural Committee, of which Mr. Camp is chairman, will meet on Monday, May 10, at 2:30 p. m., to discuss these nominations with the supervisors.

Boll Weevil Control

While it is in session on Monday, May 10, the County Agricultural Committee will also discuss plans for an organized campaign to reduce the damage caused by boll weevils. Boll weevils are coming out of hibernation in sufficient numbers to cause serious damage if rainfall is normal during the summer.

The new insecticides offer an opportunity to control cotton insects if properly used. Ways of obtaining wider use of these new materials will be discussed at the committee meeting.

Combine Schools

The acreage seeded to grain last fall and winter was unusually small. Dry weather during the past few weeks has further reduced the crop. It is necessary that everything possible be done to save every grain at harvest time.

This means that combines must be in first class condition and operated correctly. To help combine operators get their machines in shape to save crop, two combine schools have been arranged through the cooperation of the local dealers and the Clemson Extension Service.

These schools will be held on Friday, May 21. The first will be held at 2:30 p. m. at Martin's Garage, just off Cherokee Avenue. Allis-Chalmers combines will be taught at this school. The school for International combines will be held at 8:00 p. m., the same day, at the Smith Hardware Company. Factory representatives will assist the Extension Engineer with these schools.

FARM NEWS

By T. B. LEE, County Agent

Humus Helps Soil and Crop

It has been interesting to watch the corn which followed the annual grazing crop of crimson clover and rye grass on the farm of B. T. White, just east of Gaffney. Although it has been unusually dry in this area since the corn came up, it has made good growth. A heavy cover of crimson clover was plowed under before the corn was planted and this clover decaying in the soil has held a supply of moisture to keep the corn growing.

Cattle grazing this field last fall and winter while it was wet packed the soil so hard that Mr. White was afraid that it might be hard to work and might not produce well. The decayed clover in the soil has overcome that situation as pointed out by the men who cultivated the corn. They say that in this particular field the soil is mellow and easier to cultivate than other fields on the farm that had no crop turned under.

Farmers Week Near

South Carolina Farmer's Week at Clemson, August 23-27, will be a nice opportunity to rest from routine farm work and to pick up some worth while information as well.

Thomas W. Morgan, assistant director of extension, advises that the Clemson and Winthrop staffs, farm machinery people and others are sparing no efforts to make this an occasion that will amply repay all who attend.

Due to the polio situation it has become necessary to ask that children not be brought to Clemson for Farmer's Week. Otherwise, the original plan for adults will be carried out.

No matter what phase of farming you are interested in, you will have opportunity to study it at this time. Leaders in every bunch will be on hand, not only from Clemson and Winthrop, but also from out of the state to help lead the discussions. An interesting example of this is the program on crop insects and diseases, which, in addition to a long list of specialists from the Clemson Extension Service and S. C. Experiment Station, will have the following out-of-state speakers: W. G. Bruce, in charge, Insects Affecting Man and Animals, USDA Laboratory, Savannah, Ga., and L. C. Whitehead, District Agent, Predator and Rodent Control, U. S. Fish and Wildlife Service, Raleigh, N. C.

Several organizations plan to hold their annual meetings during Farmer's Week. Among these are the S. C. Association of Soil Conservation District Supervisors, the S. C. Seedmen's Association, and the Palmetto State Beekeepers Short Course.

Boll Weevil Situation

It is very important that farmers check their cotton fields immediately after the rains. The weather during the past few days has been ideal for weevil activity and conditions may call for dusting as soon as weather permits. Many fields were nearing the danger point last week. These need prompt attention now.

We have excellent prospects for a good cotton crop. Let's keep it protected.

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FARM NEWS

T. B. LEE

Cherokee County Agent

Rural Life Sunday

May 2, has been designated as Rural Life Sunday, and will be observed as such by 4-H Clubs in South Carolina. On this day 4-H Clubs members are encouraged to go with their families to the churches of their choice. The theme for the observance will be "Creating Better Homes Today for a More Responsible Citizenship Tomorrow."

Many 4-H Clubs throughout the State will put on short programs in their home churches at the morning services. The Beaverdam Club in Cherokee County will put on such a program at its church on Sunday morning. The Ashworth Club will broadcast a program over Radio Station WFGN, Gaffney, at 1:30 Sunday afternoon. Listen to them.

Care of Mules and Tractors

In going over the county, I am greatly impressed with the tremendous change that has been brought about on farms in the past two weeks. A large part of the cropland has been plowed and much of it planted. Many tractors have operated day and night without a pause, except Sunday. It is really remarkable how much can be done in a little while with mechanized equipment.

When we did all farm work with mules, it was impossible to accomplish so much in the same time. Mules have to rest occasionally during the day and just can't be expected to work day and night. And right here, I might mention the importance of proper care, if we expect to get the greatest service from mules or tractors.

See that the mule has proper feed, plenty of clean, cool water, occasional rest periods, and that his harness fits properly.

The tractor will not run without fuel so we know that will be supplied. But it will run, for a while, on insufficient or dirty worn-out grease or oil. It will run, for a time, with a dirty or clogged air cleaner. But operating under such conditions will surely cause trouble after awhile. Follow the instructions given by the manufacturer in the operator's manual. This is important. If you have lost your manual, ask your dealer to get you another.

Freedom Gardens

The USDA has set a goal of twenty million gardens to meet the needs of people in the U.S.A., and to help supply food to needy people abroad. Providing for our own needs is certainly good business, and from a humanitarian standpoint we want to do what we can to help others.

Locally, the garden situation presents quite a problem. For a long time it was too wet to do garden work. As this is written, it is so dry that gardens are not thriving. In fact, I know of instances where seeds have failed to sprout, due to lack of moisture.

Let's not become discouraged, but continue to give the garden the best of care. If it can be arranged, irrigation will pay well on the garden.

Bee Transferring Demonstration

Arrangements have been made for a demonstration in transferring bees from box hives to modern movable frame hives, at the farm of James H. Wilson on Highway 29, beyond Blacksburg, at 10:30 a. m. on Wednesday, May 5. E. S. Prevost, Extension Bee Specialist, will conduct the demonstration, and discuss other phases of bee management. Interested bee-keepers are invited.

FARM NEWS

T. B. LEE
Cherokee County Agent
Grazing Tour

The Cherokee county winter and spring tour will be held on Tuesday afternoon, March 9. We will meet at the Court House a few minutes before 2 o'clock and start on the tour at 2 p. m. Our first stop will be at Peeler's dairy on the Lead Mine Road. Other stops will be at B. T. White's, M. E. Higgins, George McKown's and Edward McKown's.

There are a number of other good grazing fields in the county, but it will be impossible to see all of them in one afternoon.

All farmers are invited to attend. While winter grazing is a necessity for dairymen and beef cattle producers, it is just as helpful and practical for the family milk cow.

Corn Contest

The Gaffney Chamber of Commerce is sponsoring a Corn Contest for farmers in Cherokee county this year. According to the 1945 census, the average corn yield for the county was 17.7 bushels per acre at that time. It was probably less last year; yet we have farmers and club boys producing fifty to seventy-five bushels per acre. The purpose of the contest is to get more farmers to adopt the practices which give the higher yields.

The contest will be conducted in two divisions, adult and junior. The adult division will require five acres in one field and prizes will be, first, \$100; second, \$50; and third, \$25. Two acres will be required in the junior division (under 18 years of age), and prizes will be \$60, \$40, and \$25. We hope to have a large number entering this contest.

Midway Meeting

I recently attended a meeting of the officers and directors of the Midway community at which they were making plans for their semi-annual community meeting to be held soon, and discussing ways to improve the standing of their community in the Spartanburg Herald-Journal-Soil Conservation Contest.

The many valuable prizes offered in this contest were discussed and it was decided that the people should be reminded of the prizes and of the fact that the contest closes this summer. All contestants are urged to make as much progress as possible during the coming months.

FARM NEWS

By T. B. LEE, County Agent

Cotton Contest

Much interest is being shown by Cherokee County farmers in the Five-Acre Cotton Contest which closes today. Twenty-three contestants have entered and some mighty good cotton fields are developing. There will be some close races for the county prizes, and we believe some of our entrants stand good chances for district and state prizes.

The following farmers have entered the contest: Walter B. Hayes, J. Baxter Wood, Arthur Arrowood, Joe Bob Blanton, E. L. Tate, D. K. McGill, J. Willie Spencer, George LeMaster, E. W. Jolly, Haile H. LeMaster, R. J. LeMaster, John B. Blanton, J. B. McCraw, J. O. Peeler, Grady S. Spencer, Horace Peeler and Bonner Brothers.

Poultry Notes

Grow Green Feed for Growing Chickens: Green ranges have been found to be high in nutritive value and excellent sources of protein, minerals, vitamins A and G and undoubtedly other unknown factors, since the addition of tender green foliage often improves rations that are apparently adequate. Judicial planting of soybeans, cowpeas and Sudan grass furnish a succulent growth for summer grazing. Lespedeza is also a good crop and furnishes green growth during the late summer.

Liming and fertilization help to prepare a soil for nutritious and palatable growth of green feed, and the calcium and phosphorous will be taken up by the grasses and made available to the poultry.

*Green feed is important since all poultry feeds contain a much higher percentage of plant protein than in years prior to World War II. These plant proteins do not supply the quantity of vitamins and minerals as do animal proteins. A good green range is one of the poultryman's best assurance of avoiding nutritional troubles. If an abundance of green feed and sunshine is supplied, most any kind of feed can be used with reasonable success. In addition a good range will save as much as five per cent in feed cost.

Keep Mash Before Hens: Many poultrymen make the mistake of discontinuing feeding mash to hens in the spring and summer months.

This is the wrong thing to do as eggs contain a high per cent of protein and hens must make eggs from feed given them. Hence, if the hens are given only grain, which is low in protein, then one should not expect a great many eggs. The way to cut the cost of feed is by disposing of hens that stop laying early in the spring and summer and feeding the ones that continue to lay. On the other hand, she cannot produce eggs unless a well balanced ration is given her.

Pastures

We have been observing some of the fescue and pastures seeded last fall and it appears that this is a good pasture grass. Some of our dairymen have gotten a lot of grazing from it, although it does not establish a complete sod the first year.

Observations during the past months have taught us several things about handling this plant. I think the most important of these is not to over-graze it. We do not have any pasture plant that can stand year-round grazing. We must have several pastures so that we can change the cattle from one to another with the seasons.

Some suggestions to furnish all-year grazing include fescue for winter and spring, White Dutch clover, Ladino clover for spring and summer, Dallig grass, Bermuda grass and Sericea lespedeza for summer, and kudzu for fall. These perennials may be supplemented with small grain, Italian rye grass, Crimson clover, sweet Sudan grass, pearl millet, and annual lespedeza.