1948

1948 Lee County Extension Service Report

Clemson University Cooperative Extension Service

W. L. Bryant

V. F. Linder

Follow this and additional works at: https://tigerprints.clemson.edu/coop_reports

Materials in this collection may be protected by copyright law (Title 17, U.S. code). Use of these materials beyond the exceptions provided for in the Fair Use and Educational Use clauses of the U.S. Copyright Law may violate federal law.

For additional rights information, please contact Kirstin O'Keefe (kokeefe [at] clemson [dot] edu)

For additional information about the collections, please contact the Special Collections and Archives by phone at 864.656.3031 or via email at cuscl [at] clemson [dot] edu

Recommended Citation

https://tigerprints.clemson.edu/coop_reports/234

This Article is brought to you for free and open access by the Clemson Cooperative Extension at TigerPrints. It has been accepted for inclusion in Cooperative Annual Reports by an authorized administrator of TigerPrints. For more information, please contact kokeefe@clemson.edu.
ANNUAL REPORT

COUNTY AGENT WORK

LEE
County
SOUTH CAROLINA
1948

W. L. BRYANT  County Agent

V. F. LINDER  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'S WORK

LEE COUNTY, SOUTH CAROLINA

1948

W. L. BRYANT, COUNTY AGENT

V. F. LINDEE, ASSISTANT COUNTY AGENT

* * * * * *

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

CLEMSON AGRICULTURAL COLLEGE AND THE

UNITED STATES DEPARTMENT OF

AGRICULTURE COOPERATING

EXTENSION SERVICE

D. W. WATKINS, DIRECTOR

CLEMSON, SOUTH CAROLINA
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summary of Activities and Accomplishments</td>
<td>1</td>
</tr>
<tr>
<td>County, Community and Neighborhood Organization</td>
<td>4</td>
</tr>
<tr>
<td>County Agricultural Committee</td>
<td>4</td>
</tr>
<tr>
<td>County Executive and Sub-Committees</td>
<td>6</td>
</tr>
<tr>
<td>Representatives On State Agricultural Committee</td>
<td>6</td>
</tr>
<tr>
<td>Duties and Responsibilities Of County Executive Committees</td>
<td>6</td>
</tr>
<tr>
<td>Community and Neighborhood Organizations</td>
<td>7</td>
</tr>
<tr>
<td>Outline Map Showing Location of Organized Communities and Neighborhoods</td>
<td>11</td>
</tr>
<tr>
<td>Programs and Campaigns Handled Through Voluntary Leaders</td>
<td>12</td>
</tr>
<tr>
<td>Emergency Peace-time Activities</td>
<td>13</td>
</tr>
<tr>
<td>Cooperation With Postwar Agencies</td>
<td>14</td>
</tr>
<tr>
<td>Project Activities and Results</td>
<td>15</td>
</tr>
<tr>
<td>Agricultural Economics</td>
<td>15</td>
</tr>
<tr>
<td>Outlook Meetings</td>
<td>15</td>
</tr>
<tr>
<td>Complete Farm and Home Records</td>
<td>15</td>
</tr>
<tr>
<td>Cooperation With Farm Credit Agencies</td>
<td>15</td>
</tr>
<tr>
<td>Farm Planning</td>
<td>15</td>
</tr>
<tr>
<td>County Planning</td>
<td>15</td>
</tr>
<tr>
<td>Agricultural Engineering</td>
<td>15</td>
</tr>
<tr>
<td>Farm Building and Equipment Plans</td>
<td>15</td>
</tr>
<tr>
<td>Electric Heated Hotbeds</td>
<td>16</td>
</tr>
<tr>
<td>Demonstration of Electrical Equipment</td>
<td>17</td>
</tr>
<tr>
<td>Soil Conservation Work</td>
<td>17</td>
</tr>
<tr>
<td>Soil Conservation Educational Activities</td>
<td>19</td>
</tr>
<tr>
<td>Agronomy</td>
<td>21</td>
</tr>
<tr>
<td>Cotton</td>
<td>21</td>
</tr>
<tr>
<td>Corn</td>
<td>24</td>
</tr>
<tr>
<td>Small Grain</td>
<td>26</td>
</tr>
<tr>
<td>Legume</td>
<td>26</td>
</tr>
<tr>
<td>Peanut</td>
<td>27</td>
</tr>
<tr>
<td>Soybean Seed</td>
<td>28</td>
</tr>
<tr>
<td>Grain Sorghum</td>
<td>28</td>
</tr>
<tr>
<td>Tobacco</td>
<td>28</td>
</tr>
<tr>
<td>Permanent Pasture</td>
<td>29</td>
</tr>
<tr>
<td>Sugar Cane</td>
<td>30</td>
</tr>
<tr>
<td>Animal Husbandry</td>
<td>31</td>
</tr>
<tr>
<td>Swine</td>
<td>31</td>
</tr>
<tr>
<td>Hog Marketing</td>
<td>32</td>
</tr>
<tr>
<td>Beef Cattle</td>
<td>33</td>
</tr>
<tr>
<td>Section</td>
<td>Page</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td><strong>Dairying</strong></td>
<td>34</td>
</tr>
<tr>
<td><strong>Entomology And Plant Pathology</strong></td>
<td>35</td>
</tr>
<tr>
<td>Dust Treatment of Cottonseed</td>
<td>35</td>
</tr>
<tr>
<td>Boil Weevil Control</td>
<td>35</td>
</tr>
<tr>
<td>Bill bug Control</td>
<td>35</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>35</td>
</tr>
<tr>
<td>Cattle Lice Control</td>
<td>36</td>
</tr>
<tr>
<td>Rodents</td>
<td>36</td>
</tr>
<tr>
<td>Peach Insect Control</td>
<td>36</td>
</tr>
<tr>
<td><strong>Beeskeeping</strong></td>
<td>36</td>
</tr>
<tr>
<td><strong>Forestry</strong></td>
<td>36</td>
</tr>
<tr>
<td>Planting</td>
<td>36</td>
</tr>
<tr>
<td>Marketing</td>
<td>37</td>
</tr>
<tr>
<td>Fire Protection</td>
<td>37</td>
</tr>
<tr>
<td><strong>4-H Club Work</strong></td>
<td>37</td>
</tr>
<tr>
<td>Summary of Enrollment and Completions</td>
<td>37</td>
</tr>
<tr>
<td>4-H Club Camp</td>
<td>41</td>
</tr>
<tr>
<td>Fat Stock Show &amp; Sale</td>
<td>42</td>
</tr>
<tr>
<td>County Fair Exhibits</td>
<td>43</td>
</tr>
<tr>
<td>Sumter County Fair</td>
<td>43</td>
</tr>
<tr>
<td>State Fair Exhibits</td>
<td>44</td>
</tr>
<tr>
<td>District Brood Sow and Litter Contest</td>
<td>44</td>
</tr>
<tr>
<td>Sweet Potato Club</td>
<td>44</td>
</tr>
<tr>
<td>Special 4-H Events</td>
<td>44</td>
</tr>
<tr>
<td>State 4-H Club Champion</td>
<td>45</td>
</tr>
<tr>
<td>Dairy Calf Club</td>
<td>45</td>
</tr>
<tr>
<td>Dairy and Livestock Judging Team</td>
<td>45</td>
</tr>
<tr>
<td>4-H Club Records</td>
<td>46</td>
</tr>
<tr>
<td>Dairy Calf Club</td>
<td>46</td>
</tr>
<tr>
<td>Garden Club</td>
<td>47</td>
</tr>
<tr>
<td>Poultry Club</td>
<td>47</td>
</tr>
<tr>
<td>Cotton Club</td>
<td>47</td>
</tr>
<tr>
<td>Sow and Litter Pig Club</td>
<td>48</td>
</tr>
<tr>
<td>Corn Club</td>
<td>48</td>
</tr>
<tr>
<td>Sweet Potato Club</td>
<td>48</td>
</tr>
<tr>
<td>Calf Beef Club</td>
<td>48</td>
</tr>
<tr>
<td>Peanut Club</td>
<td>49</td>
</tr>
<tr>
<td>Pig Breeding Club</td>
<td>49</td>
</tr>
<tr>
<td><strong>Horticulture</strong></td>
<td>49</td>
</tr>
<tr>
<td>Gardens</td>
<td>49</td>
</tr>
<tr>
<td>Sweet Potatoes</td>
<td>49</td>
</tr>
<tr>
<td>Summary of Sweet Potato Hotbed Demonstrations</td>
<td>49</td>
</tr>
<tr>
<td>Cucumber Demonstration</td>
<td>50</td>
</tr>
<tr>
<td>Sweet Potato Marketing</td>
<td>50</td>
</tr>
<tr>
<td>Pruning Demonstrations</td>
<td>50</td>
</tr>
<tr>
<td><strong>Marketing</strong></td>
<td>51</td>
</tr>
<tr>
<td>Grading and Packing</td>
<td>51</td>
</tr>
<tr>
<td>Inspection Work</td>
<td>51</td>
</tr>
<tr>
<td>Marketing</td>
<td>51</td>
</tr>
<tr>
<td>Summary Marketing Work 1948</td>
<td>52</td>
</tr>
</tbody>
</table>
Poultry

Cooperative Poultry Sales
Summary Egg Marketing, 1948
Culling Demonstrations
Visual Instruction

A.A.A. Activities

Publicity

Summary Publicity Work
Circular Letters
Individual Letters Written
Press Articles
Bulletins Distributed
National Publicity Given to Lee County's 5-Acre Corn Contest

Specimens of Circular Letters
Specimens of News Articles
SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

General Activities

1. Days agents spent in office ........................................... 171
2. Days agents spent in field ........................................... 128
3. Days agents worked ................................................... 599
4. Miles agents traveled .................................................. 19531
5. Farm visits .............................................................. 1548
6. Different farm visited .................................................. 703
7. Office calls at agents' office ........................................ 3029
8. Telephone calls at agents' office .................................... 2282
9. Meetings held or attended ............................................ 263
10. Attendance at these meetings ....................................... 14514
11. Number communities in which extension program was conducted 27
12. Number farms conducting demonstrations ........................................ 78
13. Number voluntary community leaders assisting with program ........................................ 113

PROJECT ACTIVITIES AND RESULTS

1948 Agricultural Program

Food & Feed Production & Conservation Program

The Food & Feed Production & Conservation Program carried out in Lee County in 1948 was planned to provide more income and better farm living for the people of Lee County and a surplus for others. Emphasis was placed on the accomplishment of this goal through the application of the 14 points propounded in the State-wide 14-Point Agricultural Program. Special emphasis was placed on soil-building and the planting of increased acres in food and feed crops, especially grain for food and grazing for livestock and poultry. More diversification has been brought about by the application of this program.

This program has been featured in news articles, news letters, public meetings, personal visits, 4-H clubs and adult method and result demonstrations.

The 1948 Program has been planned and furthered by the agricultural leaders of the county to meet present demands and conditions.

Agricultural Economics

One county-wide and 4 community Outlook meetings were held with an attendance of 351 farmers and farm leaders. One farm and home account record was completed. Gave advice and worked closely with 6 landlord-tenant relationship projects conducted in the county. Cooperated with Farm Credit agencies. 66 meetings on agricultural planning with 4,632 attending was held.

Lee County farm families borrowed through the Production Credit more money for the 1948 crop than any year since this source of operating capital has been available to them. Loans were made by the Sumter and Hartsville Production Credit Associations. Retirement of these loans have been above expectations.

Most farmers are seeking advice and making plans for a more diversified type of farming; this attitude being more or less forced upon them by the still acute labor shortage, high cost of available labor, mechanized farming, agricultural education, good prices and marketing outlets.
Agricultural Engineering

Farm building plans were furnished for 118 farm buildings and 121 items of farm equipment. Assistance and advice were given as follows: 3 farmers in erecting and operating electric hotbeds; 9 farmers in constructing fire heated sweet potato hotbeds; 11 farmers in constructing and operating manure heated hotbeds for sweet potatoes; 3 farmers in converting 5 old farm buildings into tenant houses; 4 farmers in construction of 4 wood tobacco barns; 4 farmers in constructing cement block smoke houses and 4 farmers were assisted in building permanent hog farrowing houses. A number of farmers were advised as to the proper method of curing and storing sweet potatoes. One farmer was assisted in building and outfitting for spraying 2,4-D for the control of obnoxious plants; 16 farmers were given plans and instructions for constructing hog self feeders.

Demonstrations were conducted as follows: 4 soybean seed harvesting; 5 lespedeza seed harvesting; 1 seed sweet potato hill selecting; 10 small grain combine harvesting (illustrating the correct method of harvesting seed); 1 permanent tobacco seed bed; 18 hog self feeders; 2 fence post treatment; 3 assembling and operating tobacco sprayer; 2 construction of tobacco barn furnace.

Agronomy

One Outlook Information meeting was held with 167 farmers present. 24 five-acre cotton improvement and 21 five-acre corn contest demonstrations were completed. 44 farmers were assisted in obtaining germination and purity test on 119 lots of cottonseed. 4 wheat production demonstrations were completed. 6 farmers were assisted in obtaining germination test on 7 samples of wheat seed. 1 farmer was assisted in obtaining germination and purity test on 1 sample of Abruizi rye seed. 6 farmers were assisted in obtaining germination and purity tests on 8 samples of combine milo hegari seed. 4 farmers were assisted in obtaining germination and purity tests on 5 samples of Biloxi soybean seed and 4 farmers were assisted in obtaining germination tests on 7 samples of giant striata crotalaria seed. 9 farmers were assisted in obtaining germination and purity tests on 14 samples of Kobe lespedeza and 1 farmer with 1 sample of sereca and 2 farmers with 3 samples of Kentucky 31 fescue. Assistance was rendered 21 farmers in purchasing 682 lbs. of clover seed; 63 farmers in purchasing 7,400 lbs. of miscellaneous pasture grass seeds; 31 farmers in purchasing 5,000 lbs. of Dixie wonder peas, 4 farmers in purchasing 100 lbs. of Golden Bantam seed corn; 2 farmers in purchasing 30 bushels of barley seed; 15 farmers in purchasing 34 bushels of hybrid seed corn; 78 farmers in purchasing 406 bushels of velvet and soybeans.

Demonstrations were conducted as follows: 1 treating tobacco bed for blue mold; 1 treating tobacco bed for weed control; one transplanting tobacco; 1 topping tobacco; 1 cotton chopping.

1,68 farmers were assisted in planting a mixture of Italian Rye grass seed, Crimson clover, Rye, Oats and Vetch for winter grazing pasture.
Animal Husbandry

Placed 24 purebred boars; 40 purebred gilts and sows; 6 purebred beef bulls; 23 purebred beef cows; 3 beef type steers and 1 purebred dairy bulls and dairy calves and heifers. Assisted farmers in marketing 1,860 hogs weighing 368,800 lbs. that netted farmers $78,845.00. Conducted 23 burdizzo demonstrations; 1 cattle dehorning demonstration; 5 cutting and curing of meat demonstrations; 1 bull ringering demonstration; 3 tatooing demonstrations; 2 dentusking demonstrations; 4 fitting and grooming demonstrations; requested 3 hogs to be Bang's tested for 1 farmer.

Placed the following dual purpose cattle: 9 purebred females and 1 purebred bull.

Dairying

Cooperated with farmers in obtaining 4 dairy bulls. Worked with local health department in obtaining milk for school lunches. Assisted 9 farmers in obtaining 20 purebred dairy cows and heifers. Assisted 25 farmers in selling $9,039.00 worth of dairy products. Submitted requests for 2 farmers to have 15 dairy cattle tested for Bangs and TB. Submitted requests for 5 4-H club boys to have 5 dairy cattle tested for Bangs and TB. Advice and assistance were given to the establishment of two dairy projects in Lee County.

Entomology and Plant Pathology

Conducted bill bug damage survey. Advised 1,468 farmers on control of various insects and diseases. 39 farmers advised in control of cattle lice and 2000 on rodent control. 5 method demonstrations were given on controlling peach borer. Publicity given to boll weevil infestation and control. Gave advice to 1,053 farmers on the use of DDT and put on 3 DDT spraying demonstrations.

Forestry

1 planting demonstration given. 1 pulpwood demonstration was given. Placed orders for 71,000 pine seedlings. Cooperated with local Forestry Protective Association. Referred 8 farmers to State Forester for timber estimates and advice on marketing timber. Conducted 1 heeling demonstration.

4-H Club Work

Seven clubs organized with 155 members and 107 project completions. 19 boys made 79 entries in the local fair; 1 boy made 1 entry in the Sumter County Fair and 3 boys made 16 entries at the State Fair. These entries included hogs, steers, dairy calves, corn and sweet potatoes and peanuts. 9 4-H club boys exhibited and sold 120 hogs at the Florence District Fat Stock Show and Sale.

4-H Achievement Day was held with 295 in attendance. The Bishopville Kiwanis Club held a 4-H Day at the County Fair where 300 4-H club members, club leaders and advisers were feted with a Barbecue dinner. Many valuable awards were made on Leadership and 4-H Project Achievement. 31 boys enjoyed a week at Camp Bob Cooper. 2 boys exhibited and sold 3 steers at the Florence Fat Stock Show.
Horticulture

3 fire-heated hotbeds, 2 electric heated hotbed and 4 manure heated hotbed demonstrations were completed. 2 peach pruning demonstrations were conducted. 1 sweet potato plant cutting demonstration was conducted and 1 sweet potato setting demonstration also conducted. 3 sweet potato production demonstrations were completed. 165 nut and fruit trees were ordered for 24 farmers and 500 tulip bulbs ordered for 5 farmers. Conducted 2 watermelon, 2 grapevine pruning and 2 proper method of setting fruit trees demonstrations.

Farmers were aided in selling farm products valued at $387,381.96 and in cooperative and other purchasing of supplies to the value of $113,067.94.

Poultry

6 poultry culling demonstrations conducted. Cooperative sales of poultry and turkeys were made netting farmers $2,540.00. 4,000 chicks were ordered cooperatively. 5 farmers were assisted in obtaining blood tests on their flocks. 3,100 dozen eggs were purchased through two receiving points in the county and sold for $2,801.50.

Visual Instruction

Showed educational motion pictures to 1648 people at 32 meetings and took 27 snap shots of demonstration projects.

Publicity

A total of 1,231 personal letters written. 29 circular letters prepared with 25,413 copies mailed; 219 news articles published and 3,148 bulletins distributed. 215 square inches of newspaper space was used by sponsors in advertising the Food & Feed Production & Conservation Program.

1. COUNTY, COMMUNITY AND NEIGHBORHOOD ORGANIZATION OF VOLUNTEER FARM AND HOME LEADERS

L. County Agricultural Committee:

(a) The members of the County Agricultural Committee were selected by the county and home agent with the advice and consent of representatives of other agricultural agencies in the county. It has been revised at various times when the efficiency would be improved by so doing.

(b) The County Agricultural Committee consists of the following members:

<table>
<thead>
<tr>
<th>Lucknow</th>
<th>Schrock's Mill</th>
<th>W. A. Johnson, R-2, Cassatt, SC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turkey Creek</td>
<td>St. Matthews</td>
<td>Mrs. T. H. Clyburn, R-1, Bethune, SC</td>
</tr>
<tr>
<td>Stokes Bridge</td>
<td>Una-Alcot</td>
<td>L. B. Brown, R-2, Bishopville, S. C.</td>
</tr>
</tbody>
</table>
Cypress
Wayside
Mt. Pleasant
Bishopville
Elliott
St. Charles
Riverside
South Lynchburg
Lynchburg
Ashwood
Central
Pisgah
Spring Hill
Cedar Creek
Hickory Hill
A. A. A.
F. H. A.
Forestry Service
Production Credit Association
S. C. S.
Lee County Service Officer
Farm Bureau
Extension Service
Council of Farm Women
4-H Club Representative

D. D. Grant, R-2, Lamar, SC
H. W. Merck, R-2, Bishopville, SC
R. E. McLendon, Bishopville, SC
C. M. Mimms, Elliott, SC
M. C. McDowell, R-2, Lynchburg, SC
W. W. Player, Jr., Elliott, SC
R. A. Cousar, R-3, Bishopville, SC
Mrs. B. P. Johnson, Lynchburg, SC
J. E. DuRant, Lynchburg, SC
R. M. Prince, Lynchburg, SC
J. D. Matthews, R-2, Lynchburg, SC
Luther Smith, R-1, Oswego, SC
W. E. Pace, R-3, Bishopville, SC
J. R. Bradham, R-1, Oswego, SC
W. H. Shiver, R-1, Rembert, SC
C. H. Peebles, R-1, Camden, SC
Mrs. W. B. Davis, R-1, Bishopville, SC
Mrs. Addie E. Brown, R-1, Bishopville, SC
Carey R. Kilgore, Jr., Bishopville, SC
Sam O'Dell, Bishopville, SC
E. B. Stuckey, Bishopville, SC
J. H. Wilson, Sumter, SC
W. G. Patterson, Bishopville, SC
L. M. Peebles, Bishopville, SC
Ed. B. Baskin, Bishopville, SC
W. L. Bryant, Bishopville, SC
V. F. Linder, Bishopville, SC
Mary Ida Warner, Bishopville, SC
Freida Carter, Bishopville, SC
Mary Robert Spencer, Bishopville, SC
Mrs. Lawton Beasley, R-2, Bishopville, SC
Mrs. C. B. Player, R-3, Bishopville, SC
2. County Executive and Sub-Committees:

(a) Assistance to Returning Veterans

J. H. Watson, Bishopville, SC
Carey R. Kilgore, Jr., Bishopville, SC
W. G. Patterson, Bishopville, SC
Archie Beatty, Wysacky, S. C.
C. M. Mimms, Elliott, SC
R. E. McLendon, Bishopville, SC
Sam O'Dell, Bishopville, SC
L. M. Peebles, Bishopville, SC
J. Frank DesChamps, Bishopville, SC
W. L. Bryant, Bishopville, SC
V. F. Linder, Bishopville, SC
Mary Ida Warner, Bishopville, SC
Freida Carter, Bishopville, SC
Mary Robert Spencer, Bishopville, SC

(b) Marketing Committee:

Harry Elmore, R-1, Bishopville, SC
C. E. Player, R-3, Bishopville, SC
J. E. DuRant, Lynchburg, SC

(c) County Labor Committee:

C. M. Mimms, Elliott, SC
Tom Clyburn, R-1, Bethune, SC
J. E. DuRant, Lynchburg, SC
R. E. McLendon, Bishopville, SC
C. B. Player, R-3, Bishopville, SC
W. L. Bryant, Bishopville, SC
V. F. Linder, Bishopville, SC

(d) County Adult 4-H Club Committee:

Garvis Hancock, R-1, Oswego, SC
R. E. Hudgens, Lynchburg, SC
Mrs. C. B. Player, R-3, Bishopville, SC
Mrs. B. P. Johnson, Lynchburg, SC

3. Representatives On State Agricultural Committee:

(a) State Agricultural Planning Committee:

C. M. Mimms, Elliott, SC
Mrs. Lawton Beasley, R-2, Bishopville, SC
M. G. McDowell, R-2, Lynchburg, SC
Mrs. T. H. Clyburn, R-1, Bethune, SC

4. Duties and Responsibilities Of County Executive Committees:

(a) To develop a well rounded and coordinated Agricultural Program for the county which will be sound, equitable and within the reach of farm people.
(b) To be familiar with programs of each agency affecting agriculture, and recommend activities that each shall undertake within the county so that the work of all agencies may be properly correlated.

(c) To develop statements of agricultural conditions in the county and transmit recommendations for a coordinated county program to the State Agricultural Planning Committee.

(d) To assist returning veterans with problems related to purchase and management of farms.

(e) To assist farmers with various problems connected with marketing farm products.

(f) To aid in giving information in regards to the Labor Program of the county and to help formulate plans to meet these problems when possible.

(g) To advise on matters pertaining to building a well rounded long range 4-H Club Program.

5. Community and Neighborhood Organizations:

(a) The county is divided into 11 communities and 27 neighborhoods to carry the various special programs to the people of the county. Following is a list of communities with their respective neighborhoods and the number of voluntary workers in each community and neighborhood:

**Ashtland-Liberty Hill Community**
- C. W. Windham, Chr., R-2, Bishopville, SC
- Mrs. Thomas Melton, V-Chr., R-2, Hartsville, SC
- A. W. Woodham, R-2, Bishopville, SC
- Miss Ethel Grantham, R-2, Hartsville, SC
- J. T. Smith, R-2, Bishopville, SC
- Mrs. C. W. Windham, R-2, Bishopville, SC
- Mrs. Glee McKenzie, R-2, Bishopville, SC

**Hebron Community**
- J. M. Mozingo, R-2, Bishopville, SC
- W. E. Beasley, V-Chr., R-2, Bishopville, SC
- Mrs. Warden Shirley, R-2, Bishopville, SC
- Mrs. Jack Woodham, R-2, Bishopville, SC
- Mrs. J. W. Hicks, R-2, Hartsville, SC
- Mrs. K. W. Woodham, R-2, Bishopville, SC
- Mrs. H. M. Mozingo, R-2, Bishopville, SC

**Una-Alcott Community**
- Ralph Bell, Chr., R-2, Hartsville, SC
- Mrs. Lawton Beasley, V-Chr., R-2, Bishopville, SC
- Mrs. E. H. Hearn, R-2, Bishopville, SC
- H. B. Woodham, R-2, Bishopville, SC
- Mrs. C. M. Hill, R-2, Bishopville, SC

**Cypress Community**
- D. E. Grant, Chr., R-2, Lamar, SC
- Mrs. Carl THomas, V-Chr., R-2, Lamar, SC
- W. H. Fields, R-2, Lamar, SC
- Mrs. W. H. Fields, R-2, Lamar, SC
Wayside Community

K. W. Merck, Chr., R-2, Bishopville, SC
Mrs. H. W. Merck, V-Chr., R-2, Bishopville, SC

Mt. Pleasant Community

L. R. Parnell, Chr., R-2, Lamar, SC
L. L. Caston, V-Chr., R-2, Lamar, SC

LUCKNOW

Schrock's Mill Community

W. A. Johnson, Chr., R-2, Cassatt, SC
W. S. Lee, V-Chr., R-2, Cassatt, SC
Mrs. J. A. Johnson, R-2, Cassatt, SC

Lucknow Community

C. M. Stokes, Chr., R-4, Bishopville, SC
W. A. Hancock, V-Chr., R-4, Bishopville, SC
Mrs. E. A. Hall, R-4, Bishopville, SC
Mrs. George Radcliff, R-4, Bishopville, SC

TURKEY CREEK

Turkey Creek Community

Mrs. T. H. Clyburg, Chr., R-1, Bethune, SC
Tom Clyburn, V-Chr., R-1, Bethune, SC
Mrs. Foster Gardner, R-1, Bethune, SC
Mrs. R. A. Newsom, R-4, Bishopville, SC

St. Matthews Community

Mrs. H. L. Mozingo, Chr., R-4, Bishopville, SC
Mrs. Rothwell Tedder, V-Chr., R-4, Bishopville, SC
Ira B. Newsom, R-4, Bishopville, SC
Mrs. Ira B. Newsom, R-4, Bishopville, SC

CEDAR CREEK

Cedar Creek Community

Gene Boykin, Chr., R-1, Bishopville, SC
Mrs. W. B. Davis, V-Chr., R-1, Bishopville, SC
Mrs. S. J. Cook, R-1, Bishopville, SC

Ionia Community

H. C. Boykin, Chr., R-1, Camden, SC
Kershaw Corbett, V-Chr., R-1, Camden, SC
Mrs. Jasper J. Davis, R-1, Bishopville, SC

Hickory Hill Community

V. C. Caughman, Chr., R-1, Bishopville, SC
H. N. White, V-Chr., R-1, Bishopville, SC
Mrs. Johnnie Elmore, R-1, Bishopville, SC

Reedy Branch Community

Mrs. L. E. Hall, Chr., R-4, Bishopville, SC
O. D. Peebles, V-Chr., R-4, Bishopville, SC
Mrs. L. M. Kennington, R-4, Bishopville, SC

CENTRAL

Central Community

L. A. White, Chr., R-1, Dalzell, SC
Mrs. R. R. McCutchen, V-Chr., R-1, Rembert, SC
C. G. Gladden, R-1, Camden, SC
Mrs. Ned Stafford, R-1, Dalzell, SC
<table>
<thead>
<tr>
<th>Community</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Woodrow Community</td>
<td>J. C. Heriot, Chr., R-1, Dalzell, SC&lt;br&gt;James R. Bradham, V-Chr., R-1, Oswego, SC&lt;br&gt;W. L. Hancock, R-2, Dalzell, SC&lt;br&gt;W. M. Bass, R-1, Dalzell, SC&lt;br&gt;Mrs. W. L. Hancock, R-2, Dalzell, SC</td>
</tr>
<tr>
<td>Pisgah Community</td>
<td>Victor McLeod, Chr., R-1, Camden, SC&lt;br&gt;Ralph White, V-Chr., R-1, Camden, SC&lt;br&gt;J. K. Richburg, R-1, Camden, SC&lt;br&gt;Mrs. T. B. White, R-1, Camden, SC</td>
</tr>
<tr>
<td>Egypt Community</td>
<td>W. H. Shiver, Chr., R-1, Rembert, SC&lt;br&gt;Mrs. C. M. Shiver, V-Chr., R-1, Rembert, SC&lt;br&gt;E. A. Bradley, R-1, Rembert, SC</td>
</tr>
<tr>
<td>Ashwood Community</td>
<td>W. E. Pace, Chr., R-1, Oswego, SC&lt;br&gt;Luther Smith, V-Chr., R-1, Oswego, SC&lt;br&gt;A. F. Stafford, R-1, Oswego, SC&lt;br&gt;Mrs. C. D. Wright, R-3, Bishopville, SC</td>
</tr>
<tr>
<td>St. Charles Community</td>
<td>L. F. Josey, Chr., St. Charles, SC&lt;br&gt;G. D. Wilson, V-Chr., R-1, Mayesville, SC&lt;br&gt;C. B. Player, R-3, Bishopville, SC&lt;br&gt;R. M. Jenkins, R-1, Mayesville, SC&lt;br&gt;Mrs. R. M. Jenkins, R-1, Mayesville, SC</td>
</tr>
<tr>
<td>Mt. Clio Community</td>
<td>M. R. Mathis, Chr., R-3, Bishopville, SC&lt;br&gt;C. W. Josey, V-Chr., R-3, Bishopville, SC&lt;br&gt;Mrs. C. W. Josey, R-3, Bishopville, SC</td>
</tr>
<tr>
<td>Elliott Community</td>
<td>M. G. McDowell, Chr., R-2, Lynchburg, SC&lt;br&gt;Mrs. W. J. Hammond, V-Chr., Elliott, SC&lt;br&gt;C. M. Mims, Elliott, SC&lt;br&gt;Mrs. C. M. Mims, Elliott, SC&lt;br&gt;M. F. Mooneyham, Elliott, SC&lt;br&gt;W. W. Atkinson, R-3, Bishopville, SC&lt;br&gt;Mattie J. Cousar, R-3, Bishopville, SC&lt;br&gt;W. W. Player, Jr., Elliott, SC</td>
</tr>
<tr>
<td>Wysacky Community</td>
<td>Archie Beatty, Chr., Wysacky, SC&lt;br&gt;Robert E. Josey, V-Chr., R-3, Bishopville, SC&lt;br&gt;Mrs. Will McLendon, R-3, Bishopville, SC</td>
</tr>
<tr>
<td>Bishopville Community</td>
<td>V. S. Goodeyear, Chr., Bishopville, SC&lt;br&gt;W. P. Baskin, Jr., V-Chr., Bishopville, SC&lt;br&gt;J. R. Barnes, R-1, Bishopville, SC</td>
</tr>
</tbody>
</table>
Lyncheburg

Community
R. M. Prince, Chr., Lynchburg, SC
A. V. McElveen, V-Chr., Lynchburg, SC
E. T. Stokes, Lynchburg, SC
Vernon Boyce, Lynchburg, SC
J. W. Sprott, Lynchburg, SC
J. D. Dougherty, Jr., Lynchburg, SC
D. E. Tallon, Lynchburg, SC

South Lynchburg
J. E. DuGant, Chr., Lynchburg, SC
Mrs. Lucille McKnight, V-Chr., Lynchburg, SC
Miss Bessie Hinson, Lynchburg, SC
D. L. Gibbs, Lynchburg, SC
T. H. Edens, Lynchburg, SC

Atkins-Rhodes
J. A. Harker, Chr., Atkins, SC
S. M. Rhodes, V-Chr., R-1, Mayesville, SC
Hugh Witherspoon, R-1, Mayesville, SC

6. On the following Page is a map of Lee county showing the location of organized communities and neighborhoods with symbols showing location of residences of voluntary county, community and neighborhood leaders:
Map of Lee County

- County Committeemen
- Community Leaders
- Neighborhood Leaders

[Diagram showing various locations and markers]
7. Programs and CampaignsHandled Through Voluntary Leaders

1. **Food and Feed Production and Conservation Program**: All out production of food and feed crops and a program of conservation and soil building was carried out in 27 organized communities in Lee County in 1948 to increase farm income, to provide better farm living and furnish a surplus for others.

Meetings were held in all communities and individual contacts made in the furtherance of the program. All forms of publicity was utilized and demonstrations were conducted to inform the farmers of the program.

2. **Liming Program**: Weather conditions and labor shortage hindered the lime program greatly and only 26 farmers ordered and received 875 tons of limestone during 1948.

3. **Home Garden Program**: Special emphasis was given to this part of the program. It is estimated that 97% of all farm families in the county and 65% of town families planted home gardens.

4. **Small Grain**: The acreage of small grain to be harvested in 1948 was considerably reduced due to unfavorable weather during the planting season of 1947. Yields were generally good on the planted acreage. There has been a reasonably big demand for seed for the 1949 crop, indicating a larger acreage for spring grazing and for grain in 1949.

5. **Corn**: 27 farmers of the county joined the 5-acre Corn Contest with 18 completing with an average yield of 65.6 bu. per acre. Highest yield checked to be 115.3 bu per acre. There is a definite trend to increase yields through fertilization and improved cultural practices.

6. **Wheat for Food**: Every family was urged to produce at least enough wheat to supply their needs of wheat for farm use. Due to efforts, many farm families were able to produce enough wheat for family use and some to sell. The outlook now indicates that more acres of wheat will be planted for 1949 than 1948. This being a result of the good price for wheat this year and the fact that the farmer can plant and harvest this crop mechanically.

7. **Sweet Potatoes**: Lee County soils and climate are especially favorable to the production of sweet potatoes, both for home use and for sale. Both of these features were pursued with good results. It is estimated that above 96% of the potatoes grown in the county are planted to the improved Porto-Rica variety. Two seed breeders within the county furnish most of the improved stock. There was about a 10% decrease in the 1948 acreage over the 1947. These has been one additional market for sweet potatoes in Lee County during 1948.

8. **Cane for Syrup**: The production of cane for home syrup has been urged through the use of more suitable mosaic resistant varieties and through improved methods of fertilization. The Coker Seed Company of Hartsville, SC gave 8,000 stalks of the CO-290 variety in 1943 to the farmers of the county to help in the promotion of syrup for home use. Farmers receiving cane in 1943 have distributed the cane to their neighborhood farmers each year until it has reached every corner of the county.
9. **Hogs to Kill:** Many of our farm families killed sufficient pork for home use in 1948. There are more hogs being put in the smoke house and freezer lockers now than ever before; and more of our small farmers are also producing their home needs.

10. **Milk Cows:** Farm families are urged to obtain milk cows where sufficient milk was not being produced.

11. **Poultry and Eggs:** There was a considerable decrease in 1948 of poultry and eggs as compared with 1947. However, turkey production showed a small increase.

12. **Hay:** Lee County has the reputation of curing the best quality of peavine hay in South Carolina. This is due to the use of the Clemson hay curing rack. Production of more hay during the winter was urged. Lespedeza and Kudzu hay are beginning to find their places in the county. Lespedeza again exceeded peavine hay in production this year. Considerable interest is being shown in the production of alfalfa.

13. **Improved Pastures:** 58 permanent pastures were put in according to recommendations during the year. Seed to improve old sods were secured with the county agents' advice and assistance.

14. **Rice:** Rice as a food crop was planted by a few of our farmers in 1948. Most planters harvested sufficient rice for home use and some for market.

15. **Annual Grazing Crops:** The value of annual grazing crops for use in livestock feeding was stressed with good results. Farmers have found that good grazing is a cheaper feed than high priced hay.

194 farmers were assisted in planting a mixture of Italian Rye Grass, Crimson Clover, Rye, Oats and Vetch for winter grazing pasture. It is beginning to be a usual practice of farmers to plant patches of small grain for winter and spring grazing.

16. **Grain Sorghum:** Grain sorghum is fast finding its place in the county. A good many farmers are growing it for seed while most of them are grazing their down in the field.

17. **Farm Labor:** The county agent's office continues to handle farm labor problems with the assistance of the County Labor Committee. The agents have worked closely with farmers in locating labor during peak demand periods, as well as with problems relative to farm machinery.

18. **Soybeans:** Approximately 700 acres of soybeans for seed were planted in 1948. This acreage was planted in Clemson, Yellinando and Biloxi beans. A large number of acres were planted for grazing also.

**II. EMERGENCY PEACETIME ACTIVITIES**

1. **Farm Labor Program:** Since the passing of the Farm Labor Program, the County Labor Committee continues to function in advising on matters pertaining to problems of labor in Lee County.

The demands for labor in 1948 were not as great as in years gone by.
This has been attributed in a large measure to the high wages being paid for harvesting. The availability of more farm machinery continues to lighten the demands for labor and is making for more economical production. There were three large International cotton pickers operating in the county this year. Much advice has been given on the selection, care and operation of farm machinery in the county.

2. Waste Fat Collection: Assistance was given when needed in the collection of fats by personal visits and timely information through news articles.

3. Nutrition Program: Several news articles and circulars were issued and the program pushed through local committees. Bulletins on nutrition were given to local school teachers who requested this information to be used in class room work. 6 grits and meal enrichment feeders were installed during the year. Only a few small mills in the county are without this service.

4. Peacetime Agricultural Program: Timely information was given through news articles, circular letters and personal letters, bulletins and personal visits toward the production and conservation of more and better food and feed.

In committee and community meetings this program was always stressed in one form or another. The voluntary leaders did a good job in carrying this to negro families.

5. Inflation Program: In order to help curb inflation through education among farm people a campaign was carried on through news articles, circulars and the voluntary community committeemen.

6. Voluntary Food Rationing: Publicity was released through news articles and personal contacts.

7. Farm Machinery Priorities: In order to help farmers in this program timely information was given and personal assistance whenever possible.

III. COOPERATION WITH POSTWAR AGENCIES

The county agent has cooperated with all postwar agencies. Following is a summary:

1. Local Red Cross and Defense Organization: The agent has served as a member of the Lee County Civilian Defense Council and worked closely with both organizations in their many activities.

2. Priorities: The county agent assisted with problems relative to obtaining priorities for farm machinery, equipment and supplies, especially those affecting returned veterans.

3. Returning Veterans: The agent worked closely with County Service Officer for returned veterans. Assisting with farm placement, purchases and general education.

4. Veterans Farm Program: The county agent serves on the advisory committee for the program and renders advice and assistance to the veterans' teachers of the county.
IV. PROJECT ACTIVITIES AND RESULTS

AGRICULTURAL ECONOMICS

Work in agricultural economics and farm management in 1948 included Outlook meetings, assisting with farm planning, cooperation with Farm Credit agencies and assistance with farm and home account records.

Outlook Meetings: One county-wide Outlook meeting was held with an attendance of 167 farm people.

Joint meetings on outlook and other timely agricultural information were held by the county and home agent in cooperation with AAA and SCS in 4 communities. These meetings were attended by 184 voluntary farm leaders.

Complete Farm and Home Records: One Lee County farm family kept complete records on their farming operations in 1948.

Complete Farm Record Demonstration -- 1948

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Size of Farm</th>
<th>Predominant Type of Farming</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. E. Newson</td>
<td>R-4 Bishopville, SC</td>
<td>155.0 Acres</td>
<td>Cotton, Tobacco, Sweet Potatoes, Hogs &amp; Beef Cattle</td>
</tr>
</tbody>
</table>

Cooperation With Farm Credit Agencies: The county agent cooperated with the Production Credit Associations, Production and Marketing Administration and Farm Home Administration in extending credit to farm people in the county. 118 Lee county farmers borrowed through the Production Credit Associations $317,048.45.

Farmers have been advised throughout the year in reference to credit and aid in crop production.

Farm Planning: The county agent cooperated with the Soil Conservation Service in planning operations on thirty farms this year.

County Planning: Five meetings of the county agricultural planning committee were held during the year with 74 farmers and farm women attending. Community committees were revised during the year where efficiency would be increased. Assisted 165 farmers in planning their farming operations in 1948 for 1949.

AGRICULTURAL ENGINEERING

Agricultural engineering work for 1948 consisted of furnishing plans for farm buildings and equipment, assistance and advice in operation of farm and home machinery, electric and fire heated demonstrations of hotbeds and soil conservation.

The agents assisted farmers all over the county in remodeling farm homes and buildings. Three farmers were assisted in formulating plans and building 3 permanent swine farrowing houses.

Farm Building and Equipment Plans: Farm building plans prepared by the extension agricultural engineers were furnished farm people for the construction of the following:
### Summary of Farm Building & Equipment Plans

<table>
<thead>
<tr>
<th>Building or Equipment</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sweet Potato fireheated hotbeds</td>
<td>7</td>
</tr>
<tr>
<td>Sweet Potato electric hotbeds</td>
<td>2</td>
</tr>
<tr>
<td>Sweet Potato manure heated hotbeds</td>
<td>21</td>
</tr>
<tr>
<td>Sweet Potato curing houses</td>
<td>2</td>
</tr>
<tr>
<td>Sweet Potato storage house</td>
<td>1</td>
</tr>
<tr>
<td>A Type Sweet Potato house</td>
<td>2</td>
</tr>
<tr>
<td>Homemade electric brooder</td>
<td>8</td>
</tr>
<tr>
<td>Laying house</td>
<td>2</td>
</tr>
<tr>
<td>Hog self feeder</td>
<td>14</td>
</tr>
<tr>
<td>Hog trough</td>
<td>9</td>
</tr>
<tr>
<td>Hog watering barrel</td>
<td>6</td>
</tr>
<tr>
<td>Shed type hog house</td>
<td>8</td>
</tr>
<tr>
<td>Pig creep</td>
<td>4</td>
</tr>
<tr>
<td>Smoak house</td>
<td>3</td>
</tr>
<tr>
<td>Farrowing shed</td>
<td>7</td>
</tr>
<tr>
<td>Tobacco barn</td>
<td>4</td>
</tr>
<tr>
<td>Concrete tobacco plant bed</td>
<td>1</td>
</tr>
<tr>
<td>Peanut stack racks</td>
<td>11</td>
</tr>
<tr>
<td>Homemade lime spreader</td>
<td>1</td>
</tr>
<tr>
<td>Hay curing racks</td>
<td>31</td>
</tr>
<tr>
<td>Septic tank</td>
<td>7</td>
</tr>
<tr>
<td>Tenant house</td>
<td>14</td>
</tr>
<tr>
<td>Farm machinery shed</td>
<td>8</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>169</strong></td>
</tr>
</tbody>
</table>

Special campaigns were conducted throughout the year by all agents in such activities as: the proper use of farm machinery and equipment, its care and repair; farm planning, dealing mostly with problems of postwar activities and labor saving methods, principally putting machinery to its most efficient use, and by utilizing labor to its fullest extent.

**Hay Curing Racks:** Several farmers were advised about the use of hay curing racks and plans furnished for their construction. The educational work by the extension service over a period of years has resulted in the almost universal use of this type rack for curing hay. Lee County has won the distinction of producing the best quality of peavine hay produced in the state which is due entirely to the method of curing. Lespedeza and Kudzu hay are gaining in popularity. Kobe lespedeza hay exceeds peavine in production in this county; some yields reported as high as 3 tons per acre or more. Interest is being shown in the production of alfalfa for hay.

**Electric Heated Hotbeds:** Three farmers were assisted in the operation of electric heated hotbeds.

**Fire Heated Hotbeds:** Plans were furnished and bed construction for 7 fire heated beds and a large number of growers were assisted with their operation.
Manure Heated Hotbeds: Plans were furnished for the construction of 21 manure heated hotbeds. Many farmers were assisted in the care of the constructed beds.

Demonstration of Electrical Equipment: One electric brooder demonstration was conducted and cost record obtained with the following results:

**Summary Electric Brooder Demonstration**

Demonstrator - J. B. King, Bishopville, S. C.

- Make of brooder - Homemade, Lyon Infra-Red Ray plate unit.
- Brooder capacity - 125
- No. chicks started - 100
- Percent mortality - 6
- Months operated - February - March
- No. weeks brooded - 6
- Total KWH used - 85
- Cost of current @ 3¢ - $2.55
- Cost per chick - 2.5¢

Converting Old Buildings: Several farmers were advised as to the use of tobacco barns for sweet potato curing. 9 farmers were advised and assisted in converting old buildings into useable tenant houses.

**SOIL CONSERVATION WORK**

Soil Conservation work for the year was in cooperation with the Lynches River Soil Conservation District, which includes Lee County. The Soil Conservation Service is cooperating with the district and 5 technicians are assigned to this county (one of which works as a drainage engineer). Soil Conservation meetings and demonstrations are planned and held in cooperation with the Soil Conservation Service technicians working in the county.

District Farm Plans: During the year 60 district farm plans have been prepared by the Soil Conservation Service technicians working in the county. Soil Conservation Service technicians estimate that 65 percent of the soil conservation practices planned on these farms have been established.

Terracing: There are 2 power terracing units operating in the county by the AAA contractors. Due to labor shortage very little terracing was done in the county this year.

Terrace Maintenance: Most farmers have maintained their old terraces with their available labor and farm equipment.

Farm Drainage: Drainage surveys have been made for 28 farmers cooperating with the district by the Soil Conservation Service technicians stationed here.

The Service has completed 3 canals in the county consisting of about 45 miles of drainage in Lee County. These canals will relieve a constricted condition in the old system that has seriously effected the value of the drainage system to a large number of farms in two sections of the district. 5 farmers were assisted in ditching by dynamite 4,750 yards.
Wide-Spread Establishment of Soil Conservation Practices: During the winter and spring months the county agent cooperating with the Soil Conservation District and Soil Conservation technicians in the county held 5 community meetings on the establishment of soil conservation practices in addition to farms under district agreement.

Meetings, Tours, Demonstrations: During the year community meetings were held to explain to the farmers what assistance they could receive through the Soil Conservation Program in this district.

Summary of Soil Conservation Work: The tables on the following pages give a summary of (1) Extension Educational Activities; (2) Extension Demonstrations In Establishing Soil Conservation Practices, and (3) A summary of All Soil Conservation Practices Established In The County During The Year.
**SOIL CONSERVATION EDUCATIONAL ACTIVITIES**

**LEE COUNTY**

**DECEMBER 1, 1947 - NOVEMBER 30, 1948**

<table>
<thead>
<tr>
<th></th>
<th>Number</th>
<th>Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. No. group conferences Extension &amp; SCS technicians in county</td>
<td>4</td>
<td>18</td>
</tr>
<tr>
<td>2. No. community meetings with Soil Conservation District work</td>
<td>6</td>
<td>43</td>
</tr>
<tr>
<td>3. No. field meetings - Method demonstrations establishing practices</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>No. meetings at demonstrations (observation)</td>
<td>0</td>
</tr>
<tr>
<td>4. No. farms on which county agent assisted with soil conservation farm planning</td>
<td>126</td>
<td>-</td>
</tr>
<tr>
<td>5. Informational material on Soil Conservation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No. informational circular letters</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>No. informational news articles</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>No. bulletins (soil conservation) distributed</td>
<td>113</td>
</tr>
<tr>
<td></td>
<td>No. radio programs (soil conservation)</td>
<td>0</td>
</tr>
<tr>
<td>6. Soil Conservation programs with 4-H clubs</td>
<td>7</td>
<td>-</td>
</tr>
<tr>
<td>7. No. contestants 4-H Soil Conservation contest</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>8. No. demonstrations to establish farm drainage</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>No. acres drained</td>
<td>0</td>
</tr>
<tr>
<td>9. No. demonstrations maintenance drainage ditches</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>10. No. demonstrations establish cover of summer or winter annuals per perennials for soil conservation</td>
<td>8</td>
<td>19</td>
</tr>
<tr>
<td>11. No. Method demonstrations farmer-built terraces</td>
<td>7</td>
<td>22</td>
</tr>
<tr>
<td>12. No. method demonstrations terrace maintenance</td>
<td>7</td>
<td>22</td>
</tr>
<tr>
<td>No.</td>
<td>Description</td>
<td>Number</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>13</td>
<td>No. organized communities in county for Soil Conservation</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>No. farms in these communities</td>
<td>524</td>
</tr>
</tbody>
</table>

**EXTENSION DEMONSTRATIONS ESTABLISHING SOIL CONSERVATION PRACTICES**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>No. farmers or farmer-contractors who have built terraces with farm equipment</td>
<td>7</td>
</tr>
<tr>
<td>2.</td>
<td>No. acres terraced with this equipment</td>
<td>115</td>
</tr>
<tr>
<td>3.</td>
<td>No. farms on which this work was done</td>
<td>7</td>
</tr>
<tr>
<td>4.</td>
<td>No. blade-type or patrol-type terracing outfits in county</td>
<td>4</td>
</tr>
<tr>
<td>5.</td>
<td>No. acres terraced by these outfits</td>
<td>0</td>
</tr>
<tr>
<td>6.</td>
<td>No. farms this work done</td>
<td>0</td>
</tr>
<tr>
<td>7.</td>
<td>No. terrace planning and line running schools held</td>
<td>2</td>
</tr>
<tr>
<td>8.</td>
<td>No. persons trained to run terracelines</td>
<td>4</td>
</tr>
<tr>
<td>9.</td>
<td>No. of district or county-owned draglines operating in county</td>
<td>2</td>
</tr>
<tr>
<td>10.</td>
<td>No. draglines operated by contractors in county</td>
<td>1</td>
</tr>
<tr>
<td>11.</td>
<td>No. miles drainage canals cut</td>
<td>40</td>
</tr>
<tr>
<td>12.</td>
<td>No. acres drained</td>
<td>7148</td>
</tr>
<tr>
<td>13.</td>
<td>Different farms affected</td>
<td>31</td>
</tr>
<tr>
<td>14.</td>
<td>No. farms on which tile drainage was established</td>
<td>10</td>
</tr>
<tr>
<td>15.</td>
<td>No. feet tile drainage established on these farms</td>
<td>12,352</td>
</tr>
<tr>
<td>16.</td>
<td>No. farms on which drainage ditches blown with dynamite</td>
<td>5</td>
</tr>
<tr>
<td>17.</td>
<td>No. yards drainage ditches blown</td>
<td>3600</td>
</tr>
<tr>
<td>18.</td>
<td>No. farms irrigation demonstration conducted</td>
<td>0</td>
</tr>
<tr>
<td>19.</td>
<td>Acres irrigated</td>
<td>0</td>
</tr>
</tbody>
</table>
SUMMARY OF SOIL CONSERVATION PRACTICES ESTABLISHED IN
LEE COUNTY DURING 1948

<table>
<thead>
<tr>
<th>Number</th>
<th>1. No. soil conservation district farm plans</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2. Total acres in these farms</td>
<td>9492</td>
</tr>
<tr>
<td></td>
<td>3. Total number soil conservation district farm plans in county</td>
<td>586</td>
</tr>
<tr>
<td></td>
<td>4. Total acres in these farms</td>
<td>96,745</td>
</tr>
</tbody>
</table>

**Rural Electrification:** Several people were advised as to correct procedure to obtain electric service from near-by rural electric lines. Four new lines were put up during 1948, serving 150 farm families.

**Harvesting, Handling and Ginning Cotton:** Three county-wide circular and 19 news articles were released on the harvesting and handling of cotton. 14 ginnerys were visited in reference to proper ginning. 1 farmer was assisted in obtaining 6 gin units. Estimates show that 98% of cotton grown in the county is one variety. The county organized One-Variety Cotton Classification and Improvement Association in 1947 and it was renewed in 1948.

**Peanut Harvesting and Picking:** Assistance was given to 9 farmers in harvesting their peanut crop.

**AGRONOMY**

Agronomy work in Lee County in 1948 consisted of demonstrations and educational work with each of the major agronomy crops.

**Outlook and Information Meetings:** 1 county-wide Outlook and Information meeting was held that was attended by 167 farm people. 4 similar meetings were held in communities with 184 farm people attending.

**Soil Testing:** The agent cooperated with 3 farmers in obtaining acidity test on 28 soil samples during the year. Some are using such test as a guide to soil management and farm fertilizer practices.

**Cotton**

Five-Acre Cotton Improvement Demonstrations: 22 farmers completed demonstrations in cotton production with the following results:
Summary of Cotton Contest Demonstrations 1939 - 1948: Following is a summary of results of the Five-Acre Cotton Improvement demonstrations for period 1939 - 1948 inclusive:

<table>
<thead>
<tr>
<th>Year</th>
<th>No. Dems.</th>
<th>Pounds Lint Per A</th>
<th>Value Per A.</th>
<th>Cost Per A.</th>
<th>Profit Per A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1939</td>
<td>25</td>
<td>749.7</td>
<td>$ 90.94</td>
<td>$ 41.75</td>
<td>$ 49.19</td>
</tr>
<tr>
<td>1940</td>
<td>25</td>
<td>593.2</td>
<td>72.58</td>
<td>37.59</td>
<td>35.00</td>
</tr>
<tr>
<td>1941</td>
<td>24</td>
<td>310.4</td>
<td>70.35</td>
<td>33.60</td>
<td>36.95</td>
</tr>
<tr>
<td>1942</td>
<td>7</td>
<td>602.0</td>
<td>118.64</td>
<td>31.56</td>
<td>111.08</td>
</tr>
<tr>
<td>1943</td>
<td>5</td>
<td>812.0</td>
<td>214.03</td>
<td>45.07</td>
<td>168.96</td>
</tr>
<tr>
<td>1944</td>
<td>12</td>
<td>886.1</td>
<td>227.70</td>
<td>57.80</td>
<td>169.90</td>
</tr>
<tr>
<td>1945</td>
<td>12</td>
<td>834.5</td>
<td>226.06</td>
<td>60.52</td>
<td>167.54</td>
</tr>
<tr>
<td>1946</td>
<td>13</td>
<td>903.0</td>
<td>142.97</td>
<td>92.51</td>
<td>329.46</td>
</tr>
<tr>
<td>1947</td>
<td>26</td>
<td>813.0</td>
<td>324.71</td>
<td>103.90</td>
<td>218.81</td>
</tr>
<tr>
<td>1948</td>
<td>22</td>
<td>844.0</td>
<td>331.44</td>
<td>126.07</td>
<td>205.26</td>
</tr>
</tbody>
</table>

TOTALS 22

Average lint per acre 88.4 pounds

$13,967.82 92062  $36,458.15  $22,688.40
It is interesting to note that with disastrously low yields prevailing generally throughout the county in 1941 and 1942 that profitable yields were obtained by all of the contestants. The effect of those demonstrations has been to stimulate the adoption of improved practices in cotton production and it is felt has been an outstanding contribution to improved yields now noted in the county. Farmers produced the largest cotton crop in years during 1944, and thought they would never produce a crop like that again, but 1948 will show a bale per acre or more throughout the county. The 1948 insecticide program played a big part in producing this unusual crop.

Improved Seed and Seed Treatment: Practically all of the cotton acreage is planted to improved varieties of recent origin. Many of our farmers follow the practice of buying sufficient pedigreed seed each year to plant a seed patch. Practically all of our farmers have adopted seed treatment as a standard practice. 119 cottonseed samples for 44 farmers were sent into the State Department of Agriculture for germination test. Many small farmers buy seed from the Five-Acre contestants in the county. It is estimated that around 98% of the cotton now planted in the county is a strain of the Coker's 100, Wilt Resistant.

The photograph below was made of Lee County cotton fields, one poisoned and the other unpoisoned.
**Cotton Acre Defoliation:** The use of Aero Defoliant for removal of cotton foliage at picking time is becoming well established in Lee County. It is profitable to the grower, relatively inexpensive, and its advantages are quickly realized. Applied to hand picking operations, it points the way to more successful use of mechanical picking and stripping machinery in the future. 4 mechanical pickers and 3 strippers were used in the county during the 1948 harvesting season.

**Corn Production**

5-Acre Corn Contests: A county 5-acre corn contest was organized with 14 contestants completing their demonstrations in 1946 and 19 in 1947. The contest was continued in 1948 with the following results:

<table>
<thead>
<tr>
<th>Name</th>
<th>Variety</th>
<th>Acres</th>
<th>Yield Per Acre</th>
<th>Total Cost</th>
<th>Net Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fred DuBose</td>
<td>NC-27, Hybrid</td>
<td>5</td>
<td>115.3</td>
<td>385.20</td>
<td>479.55</td>
</tr>
<tr>
<td>J. D. Matthews</td>
<td>NC-27, Hybrid</td>
<td>5</td>
<td>92.4</td>
<td>176.30</td>
<td>516.45</td>
</tr>
<tr>
<td>C. W. Josey</td>
<td>Josey's Prolific</td>
<td>5</td>
<td>88.9</td>
<td>257.35</td>
<td>409.10</td>
</tr>
<tr>
<td>C. B. Player</td>
<td>NC-27, Hybrid</td>
<td>5</td>
<td>86.7</td>
<td>165.20</td>
<td>435.05</td>
</tr>
<tr>
<td>J. R. Bradham</td>
<td>NC-27, Hybrid</td>
<td>5</td>
<td>85.1</td>
<td>214.50</td>
<td>423.75</td>
</tr>
<tr>
<td>C. W. Josey</td>
<td>NC-27, Hybrid</td>
<td>5</td>
<td>84.9</td>
<td>201.95</td>
<td>434.80</td>
</tr>
<tr>
<td>H. E. McCoy</td>
<td>Josey's Prolific</td>
<td>5</td>
<td>80.9</td>
<td>237.90</td>
<td>368.85</td>
</tr>
<tr>
<td>Edward McDowell</td>
<td>Latham's Double</td>
<td>5</td>
<td>74.4</td>
<td>162.92</td>
<td>395.08</td>
</tr>
<tr>
<td>W. W. Player, Jr.</td>
<td>Douthitt's</td>
<td>5</td>
<td>72.0</td>
<td>367.30</td>
<td>172.70</td>
</tr>
<tr>
<td>Ed. B. Baskin</td>
<td>Josey's Prolific</td>
<td>5</td>
<td>61.5</td>
<td>160.40</td>
<td>300.60</td>
</tr>
<tr>
<td>Dr. R. L. Dickerson</td>
<td>Latham's Double</td>
<td>5</td>
<td>61.3</td>
<td>180.85</td>
<td>278.90</td>
</tr>
<tr>
<td>H. W. Shaw</td>
<td>Douthitt's</td>
<td>5</td>
<td>61.3</td>
<td>180.85</td>
<td>278.90</td>
</tr>
<tr>
<td>V. S. Goodyear</td>
<td>Josey's Prolific</td>
<td>5</td>
<td>58.1</td>
<td>167.10</td>
<td>168.65</td>
</tr>
<tr>
<td>J. A. Blackwell</td>
<td>Douthitt's</td>
<td>5</td>
<td>55.4</td>
<td>166.15</td>
<td>219.35</td>
</tr>
<tr>
<td>J. R. Bradham</td>
<td>Douthitt's</td>
<td>5</td>
<td>52.1</td>
<td>210.50</td>
<td>180.25</td>
</tr>
<tr>
<td>L. F. Montgomery</td>
<td>NC-27, Hybrid</td>
<td>5</td>
<td>49.4</td>
<td>186.59</td>
<td>307.41</td>
</tr>
<tr>
<td>R. W. Tedder</td>
<td>Josey's Prolific</td>
<td>5</td>
<td>48.7</td>
<td>132.78</td>
<td>232.47</td>
</tr>
<tr>
<td>Alford Welch</td>
<td>Ellis</td>
<td>5</td>
<td>40.0</td>
<td>140.00</td>
<td>160.00</td>
</tr>
</tbody>
</table>

**TOTALS** 18   90  1,270.3 $ 3,728.74 $6,049.06

Average yield per acre - 70.6 bushels

Hybrid Corn Production: 9 different varieties of Hybrid corn were tried out in the county during 1948. The three most outstanding varieties were the NC-27, NC-26 and Dixie 17. All other varieties tried showed up very good; however, the shuck covering was poor and showed considerable weevil damage.

During the 1948 the campaign to increase the per acre yield was continued. Timely information was furnished through circular letters, news articles and personal visits to contestants and other farmers. During the three years of the corn contest carried on in the county, the interest of higher yields per acre has spread like wild fire all over the county, especially by new methods of cultivation and increased amount of fertilizer per acre.
The snapshot below shows demonstration of close planting of contest corn on the right side of photo, while on the left of photo wide spacing of check plot of corn is shown.
Small Grain

Wheat Production: 3 demonstrations with wheat were completed with the following results:

<table>
<thead>
<tr>
<th>Name</th>
<th>Variety</th>
<th>Acres</th>
<th>Yield Per Acre</th>
<th>Cost</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed. E. Baskin</td>
<td>Hardired</td>
<td>30</td>
<td>19 bu.</td>
<td>$892.00</td>
<td>$390.50</td>
</tr>
<tr>
<td>D. K. Jossey</td>
<td>Red Heart</td>
<td>4</td>
<td>26 bu.</td>
<td>92.50</td>
<td>149.82</td>
</tr>
<tr>
<td>Mrs. Genie E. Smith</td>
<td>Hardired</td>
<td>7</td>
<td>31 bu.</td>
<td>148.65</td>
<td>339.60</td>
</tr>
</tbody>
</table>

Average yield per acre - 21.6 bushels.

Improved Seed: Seed samples for germination and purity test were sent in for 6 farmers. The rust tolerant Hardired variety is gaining popularity with farmers.

Oat Production: 4 demonstrations with oats were completed with the following results:

<table>
<thead>
<tr>
<th>Name</th>
<th>Variety</th>
<th>Acres</th>
<th>Yield Per Acre</th>
<th>Total Cost</th>
<th>Gross Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed. E. Baskin</td>
<td>Victor grain</td>
<td>55</td>
<td>67 bu.</td>
<td>$1,703.75</td>
<td>$3,231.87</td>
</tr>
<tr>
<td>W. W. Player, Jr.</td>
<td>Fulgrain</td>
<td>25</td>
<td>62 bu.</td>
<td>$616.00</td>
<td>1,709.00</td>
</tr>
<tr>
<td>R. E. McLendon</td>
<td>Victor grain</td>
<td>23</td>
<td>56 bu.</td>
<td>$401.05</td>
<td>1,273.35</td>
</tr>
<tr>
<td>Arthur Spann</td>
<td>Fulgrain</td>
<td>5</td>
<td>100 bu.</td>
<td>$136.75</td>
<td>488.25</td>
</tr>
</tbody>
</table>

Average yield per acre 65.0 bushels.

Six farmers were assisted in obtaining germination test on 8 samples of oat seed.

Legume Production

Lespedeza Production: Three demonstrations with lespedeza for hay were completed with the following results:

<table>
<thead>
<tr>
<th>Name</th>
<th>Variety</th>
<th>Acres</th>
<th>Yield Per Acre</th>
<th>Cost Per Acre</th>
<th>Gross</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>John O'Kelley</td>
<td>Kobe</td>
<td>12</td>
<td>6,100 lbs.</td>
<td>$19.75</td>
<td>$1,140.50</td>
<td></td>
</tr>
<tr>
<td>L. F. Berry</td>
<td>Kobe</td>
<td>5</td>
<td>2,500 lbs.</td>
<td>$18.25</td>
<td>158.75</td>
<td></td>
</tr>
<tr>
<td>R. E. McLendon</td>
<td>Kobe</td>
<td>15</td>
<td>2,700 lbs.</td>
<td>$20.00</td>
<td>1,410.00</td>
<td></td>
</tr>
</tbody>
</table>


Two demonstrations with Kobe lespedeza for seed were completed with the following results:

### Summary of Kobe Lespedeza For Seed Demonstrations

<table>
<thead>
<tr>
<th>Name</th>
<th>Variety</th>
<th>Acres</th>
<th>Yield Per Acre</th>
<th>Total Cost</th>
<th>Gross Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. M. Bell</td>
<td>Kobe</td>
<td>20</td>
<td>700 lbs.</td>
<td>$968.00</td>
<td>$992.00</td>
</tr>
<tr>
<td>Ben Jordan</td>
<td>Kobe</td>
<td>18</td>
<td>700 lbs.</td>
<td>838.40</td>
<td>573.60</td>
</tr>
</tbody>
</table>

The county agent assisted in placing 25,410 lbs. of lespedeza with 48 farmers in the county.

Lespedeza is gaining in popularity as a hay and soil-building crop. It has replaced a large part of our cow pea hay.

Careful estimates indicate that the acreage of lespedeza grown for hay in Lee County has grown from none seven years ago to 6,000 acres in 1948.

**Summer Legumes:** Cooperative orders for the following seed were placed through the agent's office:

- Velvet beans: 130 lbs.
- Soybean seed: 406 bu.
- Cow peas: 232 bu.
- Crotalaria: 1,300 lbs.

**Winter Legumes:** The production of winter legumes has not been very successful in Lee County, but some interest continues. The following orders were placed with cooperation of the county agent:

- D. W. and A. W. pea seed: 5,000 lbs.
- Vetch: 2,400 lbs.
- Ky-31 Fescue: 650 lbs.

**Peanut Production**

**Peanuts:** Two demonstrations with peanuts were completed with the following results:

### Summary Of Peanut Demonstrations

<table>
<thead>
<tr>
<th>Name</th>
<th>Variety</th>
<th>Acres</th>
<th>Yield Per Acre</th>
<th>Total Cost</th>
<th>Gross Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. R. Bradham</td>
<td>Va. Bunch</td>
<td>10</td>
<td>2,330 lbs.</td>
<td>$370.00</td>
<td>$2,332.80</td>
</tr>
<tr>
<td>Mrs. Genie E. Smith</td>
<td>Va. Bunch</td>
<td>7</td>
<td>1,600 lbs.</td>
<td>352.30</td>
<td>975.10</td>
</tr>
</tbody>
</table>
Soybean Seed Production

Soybean Seed Production Demonstrations: Two demonstrations were completed with the following results:

Summary of Soybean Seed Demonstrations

<table>
<thead>
<tr>
<th>Name</th>
<th>Variety</th>
<th>Acres</th>
<th>Yield Per Acre</th>
<th>Cost Per Acre</th>
<th>Gross Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ben Jordan</td>
<td>Clemson Non-shatter</td>
<td>18</td>
<td>12 bu.</td>
<td>$19.00</td>
<td>$306.00</td>
</tr>
<tr>
<td>Foster Gardner</td>
<td>Biloxi</td>
<td>10</td>
<td>10 bu.</td>
<td>$18.75</td>
<td>152.50</td>
</tr>
</tbody>
</table>

Grain Sorghum Production

Grain Sorghum Production Demonstration: One demonstration was completed with the following results:

Summary of Grain Sorghum Seed Demonstration

<table>
<thead>
<tr>
<th>Name</th>
<th>Variety</th>
<th>Acres</th>
<th>Yield Per Acre</th>
<th>Total Cost</th>
<th>Gross Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>H. E. Muldrow</td>
<td>Martin's Combine Milo</td>
<td>10</td>
<td>52 bu.</td>
<td>$130.25</td>
<td>$909.75</td>
</tr>
</tbody>
</table>

Rice Production: Most of the rice produced in the county was grown in small patches for home use.

Tobacco

Tobacco has gained in popularity in the county during the past few years. 1,136 farmers planted tobacco in the county during 1948. Yields were good and all tobacco farmers made money.

Tobacco Demonstrations: Extension work with tobacco was directed towards higher yields of better quality tobacco. One demonstration was completed and turned in. Following is a summary of this demonstration:

Summary of Tobacco Demonstration

<table>
<thead>
<tr>
<th>Name</th>
<th>Acres</th>
<th>Variety</th>
<th>Fertilizer</th>
<th>Yield Per Acre</th>
<th>Net Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. E. DuRant</td>
<td>2.2</td>
<td>401</td>
<td>3-9-6</td>
<td>1000</td>
<td>$711.94</td>
</tr>
</tbody>
</table>

Tobacco Nematode: Tobacco Nematode is taking it's toll throughout the county. Two demonstrations with DD in 1948 gave very good results.

Miscellaneous Tobacco Work: Numerous farmers were advised as to proper rotation for tobacco as well as to correct fertilizers. 9 newspaper articles were written in conducting the tobacco program related to methods of handling curing and marketing. A number of farm visits were made relative to tobacco production, curing, handling and advising farmers as to the proper use of oil burners for curing tobacco.
Permanent Pasture Development

Permanent Pastures: The agent worked very closely with 61 farmers in establishing and managing permanent pastures. Striking results were noticed on these pastures; however, no written results were obtained. Many other farmers were given advice as to the proper methods of establishing and seeding requirements. Due to the high price of seed, most of these pastures did not have the proper amount of seed planted, but should show improvement next season. A grazing calendar was prepared and sent to every land owner in the county.

Cooperative orders for the following pasture seeds were placed through the agent's office:

<table>
<thead>
<tr>
<th>Grass Type</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carpet grass</td>
<td>350 lbs.</td>
</tr>
<tr>
<td>CLOVERS</td>
<td>682 lbs.</td>
</tr>
<tr>
<td>Dallis grass</td>
<td>268 lbs.</td>
</tr>
<tr>
<td>Italian Rye grass</td>
<td>3,600 lbs.</td>
</tr>
<tr>
<td>Vetch</td>
<td>400 lbs.</td>
</tr>
<tr>
<td>KY-31 Fescue</td>
<td>200 lbs.</td>
</tr>
</tbody>
</table>

The following demonstrations were completed during the year with the following results:

**Summary Permanent Pasture Demonstrations**

1. **Name:** T. B. Newsom  
   **Acre:** 7.0  
   **Year Started:** 1941 (Fall)  
   **Soil Type:** Portsmouth

   **PH Test:** (1) Before—Topsoil 5.40; Subsoil 5.25  
   (a) After—Topsoil 6.70; Subsoil 5.20

   **Preparation:** Disced with double disc harrow. Lime and acid broadcast. Bermuda sprigged 20" rows 15" in drill, Nov. 1941. (Covered with one furrow.) Cultipacked White Dutch inoculated and seeded broadcast (not covered). Dec. 1, 1941: Dallis grass and common lespedezas mixed and sown broadcast, April 20, 1942. Covered lightly with drag harrow. Potash broadcast in early summer after sod established.

   **Fertilizer Used:** 2 tons agri. lime per acre. 300 lbs. Superphosphate per acre. 200 lbs. muriate of potash per acre. May, 1943 applied 300 lbs. of 3-9-6 per acre. Applied 150 lbs. potash per acre; 1945. 150 lbs. potash in 1946, 400 lbs. acid, 1946. 500 lbs. 4-10-6 in 1947. 500 lbs. 4-10-6 applied in 1948.


   **Observations:** Good stand of White Dutch clover. Excellent stand of Dallis, bermuda and lespedezas. Carried two animal or more units per acre for entire summer.
<table>
<thead>
<tr>
<th>Name</th>
<th>Acres</th>
<th>Year Started</th>
<th>Soil Type</th>
<th>PH Test: (1) Before—Topsoil</th>
<th>Subsoil</th>
<th>(2) After—Topsoil</th>
<th>Subsoil</th>
<th>Preparation:</th>
<th>Fertilizer Used:</th>
<th>Grasses Seeded:</th>
<th>Observations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>H. D. Brown</td>
<td>13.0</td>
<td>1941</td>
<td>Dunbar</td>
<td>5.45</td>
<td>5.30</td>
<td>6.50</td>
<td>5.00</td>
<td>Fall 1941 — oats and vetch seeded in Fall and grazed. Mixed Dallis &amp; common lespedeza. Seed &amp; basic slag applied in 1 operation with grain drill &amp; fertilizer attachment. Seeded White Dutch broadcast. Cultipacked.</td>
<td>700 lbs. basic slag per acre. June 3, 1943 applied 800 lbs. of 3-9-6 per acre. Applied 500 lbs. basic slag; 500 lbs. 3-9-9 in 1945. 150 lbs. Potash, 300 lbs. acid in 1946. 600 lbs. 5-10-5 in 1947. Applied 500 lbs. 4-10-6 in 1948.</td>
<td>4 lbs. White Dutch clover per acre, March 20, 1942. 10 lbs. Dallis grass per acre, March 20, 1942. 10 lbs. common lespedeza per acre, March 20, 1942. 2 lbs per acre of Ladino Clover February, 1948.</td>
<td>Good stand Dallis, lespedeza and White Dutch clover. Carried above two animals per acre entire summer. Grazed too heavy last part of season.</td>
</tr>
<tr>
<td>J. C. Heriot</td>
<td>20.0</td>
<td>1941</td>
<td>Dunbar</td>
<td>5.20</td>
<td>5.15</td>
<td>6.5</td>
<td>5.5</td>
<td>Spring, 1942, lime broadcast. Land disc plowed. (Horse drawn disc) Harrowed (drag) harrow, White Dutch, Dallis and common lespedeza seeded broadcast, cultipacked.</td>
<td>1 ton agr. lime per acre, applied 400 lbs. 3-9-6 June 1943. 1 ton lime, 400 lbs. acid &amp; 150 lbs. potash, 1944. 400 lbs. 4-10-6 in 1947. 600 lbs. 4-10-6 in 1948.</td>
<td>3 lbs. White Dutch clover per acre, March 25, 1942. 8 lbs Dallis grass per acre, March 25, 1942. 10 lbs. common lespedeza per acre, March 25, 1942. Persic and Ladino clover 1948.</td>
<td>White Dutch Clover well scattered. Fair stand Dallis and good stand lespedeza. Carried about 2 cows per acre.</td>
</tr>
</tbody>
</table>

**TVA Ammonium Nitrate:** 95 tons of TVA ammonium nitrate were distributed to 51 farmers in Lee County to be used on permanent pastures and permanent grazing crops.

**Sugar Cane**

A campaign started in 1939 to encourage increased syrup production for home use has shown remarkable results. Many farm families are now producing enough syrup for home use and some to sell. In 1943 Coker Seed Company gave Lee County 8,000 stalks of 00-290 mosaic resistant sugar cane which was distributed among 12 farmers. These farmers gave their neighbors enough seed to start them a patch. By this good neighbor policy this variety of cane has scattered to every community in the county.
Sorghum For Syrup: The lighter more rolling section of the county produces almost entirely sorghum syrup.

Animal Husbandry

Animal husbandry extension work in Lee County in 1948 consisted mostly of educational work with swine and beef cattle. Considerable time was spent on the production and marketing of livestock with 4-H Club boys.

Swine

The program of demonstration work with hogs included the placing of sire, hog marketing and control of diseases. Also, of timely information through circulars and news articles.

Purebred Sires: 23 purebred boars were placed with farmers during the year as follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>No. Boars</th>
<th>Breed</th>
<th>Age</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. M. Minna</td>
<td>2</td>
<td>Poland China</td>
<td>10 mo.</td>
<td>$820.00</td>
</tr>
<tr>
<td>M. G. McDowell</td>
<td>1</td>
<td>Poland China</td>
<td>5 mo.</td>
<td>140.00</td>
</tr>
<tr>
<td>Edward McDowell</td>
<td>1</td>
<td>Poland China</td>
<td>4 mo.</td>
<td>100.00</td>
</tr>
<tr>
<td>V. S. Goodyear</td>
<td>2</td>
<td>Poland China</td>
<td>6 mo.</td>
<td>225.00</td>
</tr>
<tr>
<td>R. E. Gentry</td>
<td>1</td>
<td>Poland China</td>
<td>12 mo.</td>
<td>150.00</td>
</tr>
<tr>
<td>D. L. Grant</td>
<td>1</td>
<td>Poland China</td>
<td>4 mo.</td>
<td>125.00</td>
</tr>
<tr>
<td>H. D. Brown</td>
<td>1</td>
<td>Poland China</td>
<td>12 mo.</td>
<td>100.00</td>
</tr>
<tr>
<td>C. E. Player</td>
<td>1</td>
<td>Poland China</td>
<td>4 mo.</td>
<td>100.00</td>
</tr>
<tr>
<td>T. A. Meyers</td>
<td>1</td>
<td>Duroc</td>
<td>3 mo.</td>
<td>50.00</td>
</tr>
<tr>
<td>Tracy Skinner</td>
<td>1</td>
<td>Duroc</td>
<td>3 mo.</td>
<td>40.00</td>
</tr>
<tr>
<td>H. M. Mozingo</td>
<td>1</td>
<td>Duroc</td>
<td>2 mo.</td>
<td>35.00</td>
</tr>
<tr>
<td>Ed. Baskin</td>
<td>1</td>
<td>Duroc</td>
<td>6 mo.</td>
<td>75.00</td>
</tr>
<tr>
<td>A. L. McCaskill, Jr.</td>
<td>1</td>
<td>Duroc</td>
<td>3 mo.</td>
<td>50.00</td>
</tr>
<tr>
<td>W. W. Atkinson</td>
<td>1</td>
<td>Duroc</td>
<td>4 mo.</td>
<td>60.00</td>
</tr>
<tr>
<td>Robert Prince</td>
<td>1</td>
<td>Berkshire</td>
<td>3 mo.</td>
<td>45.00</td>
</tr>
<tr>
<td>W. H. Shiver</td>
<td>1</td>
<td>Berkshire</td>
<td>5 mo.</td>
<td>65.00</td>
</tr>
<tr>
<td>W. R. Smith</td>
<td>1</td>
<td>Berkshire</td>
<td>3 mo.</td>
<td>35.00</td>
</tr>
<tr>
<td>H. W. Merck</td>
<td>1</td>
<td>Hampshire</td>
<td>2 mo.</td>
<td>30.00</td>
</tr>
<tr>
<td>W. M. Bell</td>
<td>1</td>
<td>Hampshire</td>
<td>2 mo.</td>
<td>60.00</td>
</tr>
<tr>
<td>W. W. Player</td>
<td>1</td>
<td>Minnesota # 1</td>
<td>3 mo.</td>
<td>40.00</td>
</tr>
<tr>
<td>R. A. Cousar</td>
<td>1</td>
<td>Minnesota # 1</td>
<td>18 mo.</td>
<td>125.00</td>
</tr>
</tbody>
</table>

TOTALS 23 $2,470.00

Purebred Gilts Placed: 40 purebred gilts and sows were placed during the year as follows:
<table>
<thead>
<tr>
<th>Name</th>
<th>No. Placed</th>
<th>Breed</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. L. Mimms</td>
<td>4</td>
<td>Poland China</td>
<td>$1,035.00</td>
</tr>
<tr>
<td>M. G. McDowell</td>
<td>3</td>
<td>Poland China</td>
<td>710.00</td>
</tr>
<tr>
<td>Edward McDowell</td>
<td>1</td>
<td>Poland China</td>
<td>120.00</td>
</tr>
<tr>
<td>R. O. McCutchen</td>
<td>3</td>
<td>Poland China</td>
<td>422.00</td>
</tr>
<tr>
<td>C. E. Player</td>
<td>6</td>
<td>Poland China</td>
<td>480.00</td>
</tr>
<tr>
<td>Jack Player</td>
<td>1</td>
<td>Poland China</td>
<td>95.00</td>
</tr>
<tr>
<td>V. S. Goodyear</td>
<td>4</td>
<td>Poland China</td>
<td>470.00</td>
</tr>
<tr>
<td>R. B. Gentry</td>
<td>2</td>
<td>Poland China</td>
<td>265.00</td>
</tr>
<tr>
<td>T. A. Meyers</td>
<td>1</td>
<td>Duroc Jersey</td>
<td>130.00</td>
</tr>
<tr>
<td>Ed. Baskin</td>
<td>2</td>
<td>Duroc Jersey</td>
<td>215.00</td>
</tr>
<tr>
<td>Tracy Skinner</td>
<td>1</td>
<td>Duroc Jersey</td>
<td>90.00</td>
</tr>
<tr>
<td>W. W. Atkinson</td>
<td>1</td>
<td>Spotted Poland China</td>
<td>40.00</td>
</tr>
<tr>
<td>C. E. Watford</td>
<td>1</td>
<td>Spotted Poland China</td>
<td>40.00</td>
</tr>
<tr>
<td>W. R. Smith</td>
<td>1</td>
<td>Berkshire</td>
<td>40.00</td>
</tr>
<tr>
<td>V. S. Goodyear</td>
<td>2</td>
<td>Hampshires</td>
<td>300.00</td>
</tr>
<tr>
<td>Mrs. M. C. McDowell</td>
<td>1</td>
<td>Hampshire</td>
<td>150.00</td>
</tr>
<tr>
<td>W. M. Bell</td>
<td>1</td>
<td>Hampshire</td>
<td>110.00</td>
</tr>
<tr>
<td>A. L. McCaskill, Jr.</td>
<td>1</td>
<td>Hampshire</td>
<td>40.00</td>
</tr>
<tr>
<td>W. W. Player</td>
<td>1</td>
<td>Minnesota # 1</td>
<td>200.00</td>
</tr>
<tr>
<td>R. A. Cousar</td>
<td>1</td>
<td>Minnesota # 1</td>
<td>200.00</td>
</tr>
<tr>
<td>Johnnie O'Kelley</td>
<td>2</td>
<td>Minnesota # 1</td>
<td>50.00</td>
</tr>
</tbody>
</table>

**Totals** 40  $5,218.00

**Hog Marketing:** The Lee County Livestock Association organized in 1937 is a farmer owned and controlled cooperative association. The association has a paid membership of 598 producers. The association makes a lifetime membership charge of $1.00 and charges 1 percent commission for handling. The County Agent serves the association in a supervisory capacity, including training graders, and contacting buyers. In March 1948 the association affiliated with the local Farmers Cooperative Exchange to handle the marketing of hogs, and this transaction relieved the county agent of the responsibility of marketing hogs. However, he still serves in an advisory capacity as to marketing and grading.

Following is a summary of cooperative hog marketing from 1938 through 1948:

<table>
<thead>
<tr>
<th>Year</th>
<th>No. Shippers</th>
<th>Total Weight</th>
<th>Net Returns</th>
</tr>
</thead>
<tbody>
<tr>
<td>1938</td>
<td>285</td>
<td>293,067</td>
<td>$23,738.73</td>
</tr>
<tr>
<td>1939</td>
<td>723</td>
<td>610,365</td>
<td>53,206.80</td>
</tr>
<tr>
<td>1940</td>
<td>564</td>
<td>632,107</td>
<td>33,703.28</td>
</tr>
<tr>
<td>1941</td>
<td>590</td>
<td>594,010</td>
<td>48,046.98</td>
</tr>
<tr>
<td>1942</td>
<td>777</td>
<td>758,413</td>
<td>91,308.28</td>
</tr>
<tr>
<td>1943</td>
<td>487</td>
<td>470,955</td>
<td>43,062.53</td>
</tr>
<tr>
<td>1944</td>
<td>502</td>
<td>517,160</td>
<td>63,657.15</td>
</tr>
<tr>
<td>1945</td>
<td>598</td>
<td>512,995</td>
<td>71,613.47</td>
</tr>
<tr>
<td>1946</td>
<td>114h</td>
<td>163,620</td>
<td>23,273.89</td>
</tr>
<tr>
<td>1947</td>
<td>330</td>
<td>331,985</td>
<td>75,452.82</td>
</tr>
<tr>
<td>1948</td>
<td>383</td>
<td>321,716</td>
<td>73,059.15</td>
</tr>
</tbody>
</table>

**Totals** 5,383  5,406,783  621,123.08
His county agent assisted 284 farmers in securing the services of a veterinarian to vaccinate 3,747 hogs against cholera during the year.

**Beef Cattle**

Beef cattle work during the year consisted mainly of timely information on management problems and assisting in securing breeding animals, steers for feeding and control of external and internal parasites.

**Beef Bulls Placed:** 6 purebred bulls were placed in the county during the year as shown below:

<table>
<thead>
<tr>
<th>Name</th>
<th>No. Bulls</th>
<th>Breed</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed. Baskin</td>
<td>1</td>
<td>Shorthorn</td>
<td>$115.00</td>
</tr>
<tr>
<td>V. C. Caughman</td>
<td>1</td>
<td>Hereford</td>
<td>300.00</td>
</tr>
<tr>
<td>B. J. Barnett</td>
<td>1</td>
<td>Shorthorn</td>
<td>240.00</td>
</tr>
<tr>
<td>W. H. Shiver</td>
<td>1</td>
<td>Hereford</td>
<td>650.00</td>
</tr>
<tr>
<td>S. C. Herriott</td>
<td>1</td>
<td>Hereford</td>
<td>350.00</td>
</tr>
<tr>
<td>R. B. Gentry</td>
<td>1</td>
<td>Hereford</td>
<td>285.00</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>6</strong></td>
<td></td>
<td><strong>$1,970.00</strong>*</td>
</tr>
</tbody>
</table>

**Beef Cows and Heifers Placed:** The following beef cows and heifers were placed with the assistance of county agent:

<table>
<thead>
<tr>
<th>Name</th>
<th>Number</th>
<th>Breed</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed. Baskin</td>
<td>9</td>
<td>Hereford</td>
<td>$1,640.00</td>
</tr>
<tr>
<td>V. C. Caughman</td>
<td>1</td>
<td>Hereford</td>
<td>395.00</td>
</tr>
<tr>
<td>B. J. Barnett</td>
<td>6</td>
<td>Hereford</td>
<td>1,310.00</td>
</tr>
<tr>
<td>W. H. Shiver</td>
<td>5</td>
<td>Hereford</td>
<td>1,750.00</td>
</tr>
<tr>
<td>J. C. Herriott</td>
<td>2</td>
<td>Hereford</td>
<td>600.00</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>23</strong></td>
<td></td>
<td><strong>$5,695.00</strong>*</td>
</tr>
</tbody>
</table>

**Steers Placed:** The following steers were placed with 4-H Club Boys:

<table>
<thead>
<tr>
<th>Name</th>
<th>Number</th>
<th>Breed</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Billy Boykin</td>
<td>1</td>
<td>Hereford</td>
<td>$125.00</td>
</tr>
<tr>
<td>Joe Chewning</td>
<td>1</td>
<td>Hereford</td>
<td>125.00</td>
</tr>
<tr>
<td>John McCoy</td>
<td>1</td>
<td>Hereford</td>
<td>125.00</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>3</strong></td>
<td></td>
<td><strong>$375.00</strong>*</td>
</tr>
</tbody>
</table>

The following cattle were sold at the Pee Dee Fat Stock Show and Sale through the assistance of county agent:

<table>
<thead>
<tr>
<th>Name</th>
<th>Number</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edward McDowell</td>
<td>1</td>
<td>$220.50</td>
</tr>
<tr>
<td>Dick Herriot</td>
<td>2</td>
<td>212.76</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>3</strong></td>
<td><strong>$433.56</strong>*</td>
</tr>
</tbody>
</table>
Dual Purpose Cattle: The Milking Shorthorn herd of cattle continues to be popular with several farmers of the county. 7 farmers of the county have registered Milking Shorthorn Cattle.

The following Shorthorn were sold at Florence Fat Stock Show:

<table>
<thead>
<tr>
<th>Name</th>
<th>Number</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. R. Logan</td>
<td>2</td>
<td>$220.00</td>
</tr>
<tr>
<td>C. A. Vincent</td>
<td>2</td>
<td>$370.00</td>
</tr>
<tr>
<td>A. V. McElveen</td>
<td>1</td>
<td>$140.00</td>
</tr>
<tr>
<td>R. M. Prince</td>
<td>5</td>
<td>$1,110.00</td>
</tr>
<tr>
<td>Total</td>
<td>10</td>
<td>$1,840.00</td>
</tr>
</tbody>
</table>

DAIRYING

The Extension work in dairying for 1948 included encouragement to farmers to obtain family cows where none were owned. This encouragement was offered through timely news articles, circular letters and farm visits as well as through organized voluntary committee members.

Sale of Dairy Cattle: One dairymen was assisted in fitting and selling 10 cows in the State Guernsey Sale and 3 in other Guernsey sales.

The following dairy bulls were placed with dairymen in the county with assistance of county agent:

<table>
<thead>
<tr>
<th>Name</th>
<th>Number</th>
<th>Breed</th>
<th>Age</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. M. Prince</td>
<td>1</td>
<td>Jersey</td>
<td>9 mo.</td>
<td>$500.00</td>
</tr>
<tr>
<td>W. M. Hastie</td>
<td>2</td>
<td>Guernsey</td>
<td>2 mo.</td>
<td>$220.00</td>
</tr>
<tr>
<td>H. D. Brown</td>
<td>1</td>
<td>Guernsey</td>
<td>18 mo.</td>
<td>$350.00</td>
</tr>
<tr>
<td>J. M. Parkman</td>
<td>1</td>
<td>Guernsey</td>
<td>11 mo.</td>
<td>$120.00</td>
</tr>
<tr>
<td>R. E. McLendon</td>
<td>1</td>
<td>Guernsey</td>
<td>11 mo.</td>
<td>$650.00</td>
</tr>
<tr>
<td>Total</td>
<td>6</td>
<td></td>
<td></td>
<td>$1,840.00</td>
</tr>
</tbody>
</table>

The following purebred dairy cows and heifers were placed in the county with the assistance of county agent:

<table>
<thead>
<tr>
<th>Name</th>
<th>Number</th>
<th>Age</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brodus Stokes</td>
<td>1</td>
<td>19 mo.</td>
<td>$155.00</td>
</tr>
<tr>
<td>H. W. Woodward</td>
<td>1</td>
<td>cow</td>
<td>$175.00</td>
</tr>
<tr>
<td>Frank Berry</td>
<td>1</td>
<td>cow</td>
<td>$125.00</td>
</tr>
<tr>
<td>Grady Smith</td>
<td>2</td>
<td>cows</td>
<td>$375.00</td>
</tr>
<tr>
<td>Robert Prince</td>
<td>5</td>
<td>heifers</td>
<td>$475.00</td>
</tr>
<tr>
<td>H. D. Brown</td>
<td>10</td>
<td>heifers &amp; cows</td>
<td>$2,165.00</td>
</tr>
<tr>
<td>Totals</td>
<td>20</td>
<td></td>
<td>$3,470.00</td>
</tr>
</tbody>
</table>
Miscellaneous: Several farmers planted pearl millet for temporary grazing and 61 planted winter grazing pastures.

Permanent Pastures: Permanent pasture work was discussed under agronomy, this report.

ENTOMOLOGY AND PLANT PATHOLOGY

Extension work in entomology and plant pathology in 1948 consisted of educational work in control of crop diseases and insects.

Dust Treatment of Cottonseed: Educational releases through news columns were made and several farmers were assisted in locating mercury dust for treatment of home grown seed. This is now a general established practice. Fully 98% of the cotton planted is now treated with mercury dust to control damping-off and other seed born diseases.

Boll Weevil Control: The cotton insecticide program in the county was given much publicity through news articles, circular letters and many farm visits. An estimate of 1300 farmers used BHC, chloronated camphene and chlordane, and approximately 23,000 acres of cotton were thus treated. The poisons used were most effective when proper and timely applications were applied. The campaign to encourage cotton stalk destruction was continued in 1948. Approximately 5,000 acres of cotton were defoliated with aerosol dust.

Bill Bug Control: Farmers in the bill bug area of the county are doing a good job of controlling by rotating their corn fields as far away from the previously planted fields as possible, and by using more fertilizer at planting time and quick cultivation.

Miscellaneous: The following activities were carried out in reference to controlling insects and diseases:

<table>
<thead>
<tr>
<th>Insects and Diseases</th>
<th>Office Calls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small grain weevils</td>
<td>13</td>
</tr>
<tr>
<td>Pea weevils</td>
<td>6</td>
</tr>
<tr>
<td>Boll weevils</td>
<td>1200</td>
</tr>
<tr>
<td>Bean beetle</td>
<td>28</td>
</tr>
<tr>
<td>Cabbage worm</td>
<td>14</td>
</tr>
<tr>
<td>Irish potato bug</td>
<td>10</td>
</tr>
<tr>
<td>Harlequin bug</td>
<td>58</td>
</tr>
<tr>
<td>blister beetle</td>
<td>41</td>
</tr>
<tr>
<td>Grass hoppers</td>
<td>7</td>
</tr>
<tr>
<td>Cutworm</td>
<td>14</td>
</tr>
<tr>
<td>Mole cricket</td>
<td>3</td>
</tr>
<tr>
<td>Red spider</td>
<td>14</td>
</tr>
<tr>
<td>Bed bugs</td>
<td>3</td>
</tr>
<tr>
<td>Fleas</td>
<td>147</td>
</tr>
<tr>
<td>Cockroaches</td>
<td>34</td>
</tr>
<tr>
<td>Termites</td>
<td>12</td>
</tr>
<tr>
<td>Tomato worms</td>
<td>28</td>
</tr>
<tr>
<td>Corn ear worm</td>
<td>9</td>
</tr>
<tr>
<td>Poultry lice</td>
<td>64</td>
</tr>
<tr>
<td>Poultry rope</td>
<td>19</td>
</tr>
<tr>
<td>Range paralysis</td>
<td>21</td>
</tr>
<tr>
<td>Coccidiosis</td>
<td>27</td>
</tr>
</tbody>
</table>
Insects and Diseases Con't

<table>
<thead>
<tr>
<th>Item</th>
<th>Office Calls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worms and parasites in poultry</td>
<td>27</td>
</tr>
<tr>
<td>Peanut diseases</td>
<td>3</td>
</tr>
<tr>
<td>Sweet Potato diseases</td>
<td>4</td>
</tr>
<tr>
<td>Nematodes</td>
<td>12</td>
</tr>
<tr>
<td>Peach borer</td>
<td>31</td>
</tr>
<tr>
<td>Cholera</td>
<td>321</td>
</tr>
<tr>
<td>House fly</td>
<td>1200</td>
</tr>
<tr>
<td>Cattle lice</td>
<td>35</td>
</tr>
<tr>
<td>New Castle Disease</td>
<td>9</td>
</tr>
</tbody>
</table>

The following general news articles and circulars were issued during the year on insects and diseases:

<table>
<thead>
<tr>
<th>Item</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>News articles</td>
<td>21</td>
</tr>
<tr>
<td>Circular letters</td>
<td>2</td>
</tr>
</tbody>
</table>

**Cattle Lice Control:** 35 farmers were assisted in obtaining dust mixed according to the extension formula and advised as to correct method of use. All farmers reported completely successful results. 6 herds of cattle were sprayed with DDT, giving very good results.

**Rodents:** The county agent cooperated with the Health Department and Bishopville city officials in continuing the rat campaign. 2 farmers were assisted in obtaining a foot pump and 10 lbs. of Synogas to control burrowing rats. Numbers of farmers and town people were advised as to the use of poison in rat control. The Extension Service in cooperation with the County Health Department mixed and distributed 1,350 lbs. of rat poison to 431 farmers. The campaign was very effective in the control of rats.

**Peach Insect Control:** 4 method demonstrations were given in the use of paradichlorobenzene in root borer control.

**Beekeeping**

Extension work in beekeeping consisted of advice to individual beekeepers and educational material through news releases. 1 re-queening demonstration was conducted.

**FORESTRY**

Forestry extension work in 1948 included educational work through news articles and circulars and cooperation in fire control work.

**Planting:** The county agent cooperated with the Soil Conservation Service and the county Forest Protective Association in promoting the planting of trees.

There were 71,000 trees ordered through county agent's office and set by farmers.

**Planting Demonstration:** One planting demonstration was held with 34 farmers attending.
Marketing: In connection with the general woodland management program, essentials of intelligent timber marketing were stressed. 7 farmers were able to sell their timber at considerable more than their original offer after having their woodsplot estimated by a forestry service employer secured through cooperation of the county agent. Several other farmers were advised in timber and pulpwood cuttings.

Fire Protection: The county agent served as a member of the board of directors of the Lee County Forest Protective Association. The annual meeting was attended and active support rendered to the Association in every way possible.

One farmer entered and completed the 5-Acre Pulpwood Thinning Contest.

4-H Club Work

There were seven 4-H Clubs for boys organized and conducted in Lee county in 1948. One Miscellaneous Club was organized with members who could not attend the school clubs and who were contacted individually and met at infrequent intervals. The total enrollment of these clubs amounted to 155 boys. 43 meetings were held with a total attendance of 747. A 4-H Rally Day was held with 165 members of the County Council in attendance. Numerous prizes and certificates were awarded and new County Council officers were elected. 305 members attended 4-H Club Day at the County Fair to participate in a program where prizes for achievement were awarded and contests held. This program was sponsored by the Bishopville Kiwanis Club.

An Officers Training meeting was held where every club was represented by one or more of its officers.

Summary of Enrollment and Completions: The following is a list of 4-H Clubs in the county with completions by clubs:

<table>
<thead>
<tr>
<th>Name of Club</th>
<th>Number Members Enrolled</th>
<th>Number Completed Demonstrations</th>
<th>Percent Members Completing Dems.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ashwood</td>
<td>28</td>
<td>26</td>
<td>92.9</td>
</tr>
<tr>
<td>Bishopville</td>
<td>9</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>Central</td>
<td>39</td>
<td>6</td>
<td>15.3</td>
</tr>
<tr>
<td>Lucknow</td>
<td>12</td>
<td>10</td>
<td>83</td>
</tr>
<tr>
<td>Lynchburg Grammar</td>
<td>20</td>
<td>16</td>
<td>80</td>
</tr>
<tr>
<td>Lynchburg High</td>
<td>22</td>
<td>20</td>
<td>91</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>25</td>
<td>18</td>
<td>72</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>155</strong></td>
<td><strong>106</strong></td>
<td><strong>68.4</strong></td>
</tr>
</tbody>
</table>

Following is a Summary of Enrollment and Completions 1939 through 1948:

<table>
<thead>
<tr>
<th>Year</th>
<th>Enrollment</th>
<th>Completions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1939</td>
<td>135</td>
<td>81</td>
</tr>
<tr>
<td>1940</td>
<td>139</td>
<td>119</td>
</tr>
<tr>
<td>1941</td>
<td>118</td>
<td>109</td>
</tr>
<tr>
<td>1942</td>
<td>100</td>
<td>52</td>
</tr>
<tr>
<td>1943</td>
<td>86</td>
<td>42</td>
</tr>
<tr>
<td>1944</td>
<td>94</td>
<td>54</td>
</tr>
<tr>
<td>1945</td>
<td>98</td>
<td>59</td>
</tr>
<tr>
<td>1946</td>
<td>102</td>
<td>45</td>
</tr>
<tr>
<td>1947</td>
<td>147</td>
<td>84</td>
</tr>
<tr>
<td>1948</td>
<td>155</td>
<td>106</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>1,174</strong></td>
<td><strong>750</strong></td>
</tr>
</tbody>
</table>
The following 4-H Club members started demonstrations, 106 of which were carried through to completion, in addition to entering into other group undertakings of 4-H Club members in the county:

### ASHWOOD CLUB

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Houser, Jr.</td>
<td>R-3, Bishopville, S. C.</td>
</tr>
<tr>
<td>Marion Watts</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Jim Ed. Scurry</td>
<td>R-2, Bishopville, S. C.</td>
</tr>
<tr>
<td>Grady Elmore</td>
<td>R-2, Oswego, S. C.</td>
</tr>
<tr>
<td>David A. Houser</td>
<td>R-3, Bishopville, S. C.</td>
</tr>
<tr>
<td>Donald Grant</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Robert Humphries</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Quitman Ledbrand</td>
<td>R-3, Bishopville, S. C.</td>
</tr>
<tr>
<td>Edwin Hayes</td>
<td>R-1, Oswego, S. C.</td>
</tr>
<tr>
<td>Lewis Jackson</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Charles Elmore</td>
<td>R-3, Bishopville, S. C.</td>
</tr>
<tr>
<td>Billy Pace</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Julian Nesbit</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Bingham Davis, Jr.</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>John Brewer Kelley</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Johnson Humphries</td>
<td>R-1, Oswego, S. C.</td>
</tr>
<tr>
<td>Donnie Smith</td>
<td>R-1, Dalzell, S. C.</td>
</tr>
<tr>
<td>Alvin Jamerson</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Buddy Jackson</td>
<td>R-3, Bishopville, S. C.</td>
</tr>
<tr>
<td>Thomas Hayes</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Billy Layton</td>
<td>R-1, Oswego, S. C.</td>
</tr>
<tr>
<td>Jack Lollis, Jr.</td>
<td>R-3, Bishopville, S. C.</td>
</tr>
<tr>
<td>Larry Bramlett</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Clinton Blankenship</td>
<td>R-1, Oswego, S. C.</td>
</tr>
<tr>
<td>Roby DuBose Truesdale</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Charles L. Moore</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Thomas Ledrand</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Donald Watford</td>
<td>R-1, Oswego, S. C.</td>
</tr>
</tbody>
</table>

### BISHOPVILLE CLUB

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lavern McCaskill</td>
<td>R-4, Bishopville, S. C.</td>
</tr>
<tr>
<td>Cecil McLeod, Jr.</td>
<td>Elliott, S. C.</td>
</tr>
<tr>
<td>Bobby Wilson</td>
<td>R-2, Bishopville, S. C.</td>
</tr>
<tr>
<td>Benny Ray</td>
<td>R-3, Bishopville, S. C.</td>
</tr>
<tr>
<td>Edward McDowell</td>
<td>Elliott, S. C.</td>
</tr>
<tr>
<td>Harold White</td>
<td>R-1, Camden, S. C.</td>
</tr>
<tr>
<td>Jackie Andrews</td>
<td>R-3, Bishopville, S. C.</td>
</tr>
<tr>
<td>Bobbie Peoples</td>
<td>Elliott, S. C.</td>
</tr>
<tr>
<td>Eugene Matthews</td>
<td>Elliott, S. C.</td>
</tr>
</tbody>
</table>

### CENTRAL CLUB (Grammar)

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sam McCutchen</td>
<td>R-1, Rembert, S. C.</td>
</tr>
<tr>
<td>Vance Thompson</td>
<td>R-1, Bishopville, S. C.</td>
</tr>
<tr>
<td>Joe Ellington</td>
<td>R-1, Rembert, S. C.</td>
</tr>
<tr>
<td>Brodus Stokes</td>
<td>R-1, Camden, S. C.</td>
</tr>
<tr>
<td>Albertus Williams</td>
<td>R-1, Camden, S. C.</td>
</tr>
<tr>
<td>Lewis Frady</td>
<td>RCL, Dalzell, S. C.</td>
</tr>
<tr>
<td>John Moore</td>
<td>R-1, Dalzell, S. C.</td>
</tr>
<tr>
<td>W. D. Bell, Jr.</td>
<td>R-1, Dalzell, S. C.</td>
</tr>
</tbody>
</table>
Hayneswood Holloman
Elbert Hancock
Billy Hatfield
Talbert Johnson
Bobby Jean Hinson
Russel Dyson

Central Club
(High)

Chas. W. King
Olin Holloman
Billy Boykin
Eulis McCaskill
John F. Hancock
Charles F. Croft
Wade Stokes
Olin Lee
Bobby Joyner
Joe Chewning
Virgil Joyner
Olin Stokes
Deveron Mcgee
Fred Hancock
Ernest Bell
Lloyd Prady
Olin Huggins
Warren Lee
LeRoy Arledge
Curtis Jackson
Charles Catoe
Horace Pate
Lee Medlin
Paul Watson
George Arledge

Terry Hancock
Esther Price
Lois Hall
Robert Reynolds, Jr.
Gary Hall
Elisha Stephens
Manus Tisdale
Robie J. Farmer
Dwight Hall
Elvin Price
Willford Boone
Clarence Tisdale

R-1, Bishopville, S. C.
R-1, Rembert, S. C.
R-1, Rembert, S. C.
R-1, Camden, S. C.
R-1, Dalzell, S. C.
R-1, Rembert, S. C.
R-1, Camden, S. C.
R-1, Camden, S. C.
R-1, Bishopville, S. C.
R-1, Camden, S. C.
R-1, Dalzell, S. C.
R-1, Dalzell, S. C.
R-1, Dalzell, S. C.
R-1, Rembert, S. C.
R-1, Bishopville, S. C.
R-1, Bishopville, S. C.
R-1, Camden, S. C.
R-1, Bishopville, S. C.
R-1, Camden, S. C.
R-2, Camden, S. C.
R-4, Bishopville, S. C.
R-4, Bishopville, S. C.
R-2, Cassatt, S. C.
R-4, Bishopville, S. C.
R-2, Cassatt, S. C.
R-4, Bishopville, S. C.
R-4, Bishopville, S. C.
R-4, Bishopville, S. C.
R-2, Cassatt, S. C.
LYNCHBURG GRAMMAR CLUB

Robert Clements
Harold Stewart
James Barfield
Kent Taylor
John Henry Bell
Robert E. Iyles
Elaney Brunson
Rufus Land
Ellison Smith
Bobbie Jenkins
Robie McElven
Johnnie Ludgens
Coley Powell
Everett Lewis
Dickie Hickson
Roosevelt Atkinson
Rudell Robinson
Mickey Ingram
Frank Beasley
Herbert Nesbit

LYNCHBURG HIGH CLUB

Robert Prince
Marion Stewart
Ronald Houser
Roy E. Hudgens, Jr.
Jack Pendarvis
J. Lavan Watford
Robert McKnight
Manuel Lane
LeRoy Powell
Sonny McElven
J. P. Windham
Gary Chandler
Adville Atkinson
William Jeffords
Jack McClan
Lloyd Jackson
Ronald Ackerman
Wayne Carmichael
Hugh Stokes
Jimmy Pendarvis
Foster Chandler
J. B. Windham

Lynchburg, S. C.
Lynchburg, S. C.
Lynchburg, S. C.
R-2, Lynchburg, S. C.
Atkins, S. C.
Elliott, S. C.
R-1, Lynchburg, S. C.
Lynchburg, S. C.
Lynchburg, S. C.
R-2, Lynchburg, S. C.
Lynchburg, S. C.
Lynchburg, S. C.
Lynchburg, S. C.
R-1, Lynchburg, S. C.
Atkins, S. C.
R-2, Lynchburg, S. C.
Atkins, S. C.
Richard Heriot
Billy Heriot
Joe Heriot
Johnny O'Kelley
Marvin Windham
Dale Player
Mackie Peoples
W. C. McLeod
Jessie McLeod
Lloyd Atkinson
Gordon Baker
John McCoy
Charles Grant McCoy
Mayo Hyatt
Richard McCaskill
Wilson Barnes
Barby McCathern
McCoy Brown
Harold Gainey
Reynolds Logan
Farrell Smith
Henry C. Broadway
Spencer LeGrand
Carl Watts
Thomas Boone

R-2, Dalzell, S. C.
R-2, Dalzell, S. C.
R-2, Bishopville, S. C.
R-2, Bishopville, S. C.
Elliott, S. C.
Elliott, S. C.
Elliott, S. C.
R-3, Bishopville, S. C.
R-3, Bishopville, S. C.
R-3, Bishopville, S. C.
R-1, Hayesville, S. C.
R-4, Bishopville, S. C.
R-1, Cassatt, S. C.
R-2, Dalzell, S. C.
R-3, Bishopville, S. C.
R-1, Bishopville, S. C.
R-3, Bishopville, S. C.
R-1, Bishopville, S. C.
R-1, Bishopville, S. C.
R-1, Bishopville, S. C.
R-1, Bishopville, S. C.
R-1, Bishopville, S. C.
R-1, Bishopville, S. C.

4-H Club Camp: Some twenty-five 4-H club boys enjoyed a week of camping at Camp Bob Cooper. In addition to entering into all the athletic contests and taking advantage of the recreational facilities of the camp these clubsters took time to learn something of tractor operation and maintenance, care and use of firearms and other worthwhile subjects taught at camp.

Snapshot below is of Lee County 4-H group at Camp Bob Cooper.
**Fat Stock Show & Sale:** Ten Lee County 4-H Club members exhibited 3 fat steers and 120 fat barrows at the Florence Fat Stock Show and Sale. The three steers graded medium while 69 hogs graded choice, 45 graded good and 6 graded medium. Following is a summary showing the boys, number of livestock and prices including premiums received:

<table>
<thead>
<tr>
<th>Name</th>
<th>Number</th>
<th>Type Animal</th>
<th>Amount of Sale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Richard M. Heriot</td>
<td>2</td>
<td>Hereford steers</td>
<td>$212.76</td>
</tr>
<tr>
<td>Edward McDowell</td>
<td>1</td>
<td>Hereford steer</td>
<td>$220.80</td>
</tr>
<tr>
<td>Edward McDowell</td>
<td>20</td>
<td>Fat barrows</td>
<td>$950.78</td>
</tr>
<tr>
<td>A. L. McCaskill</td>
<td>49</td>
<td>Fat barrows</td>
<td>$1,207.45</td>
</tr>
<tr>
<td>Buddy Jackson</td>
<td>15</td>
<td>Fat barrows</td>
<td>$714.41</td>
</tr>
<tr>
<td>Robert McKnight</td>
<td>4</td>
<td>Fat barrows</td>
<td>$159.19</td>
</tr>
<tr>
<td>Billy Boykin</td>
<td>5</td>
<td>Fat barrows</td>
<td>$271.21</td>
</tr>
<tr>
<td>Reynolds Logan</td>
<td>4</td>
<td>Fat barrows</td>
<td>$201.79</td>
</tr>
<tr>
<td>Dale Player</td>
<td>4</td>
<td>Fat barrows</td>
<td>$207.23</td>
</tr>
<tr>
<td>John O'Kelley</td>
<td>9</td>
<td>Fat barrows</td>
<td>$455.46</td>
</tr>
<tr>
<td>D. B. McCathern</td>
<td>10</td>
<td>Fat barrows</td>
<td>$457.50</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>123</td>
<td></td>
<td><strong>$5,740.58</strong></td>
</tr>
</tbody>
</table>

Below are 2 snapshots of 4-H Clubster preparing barrows for fat stock show and sale.
County Fair Exhibits: Nineteen 4-H club members placed 103 exhibits in the Lee County Fair. These exhibits included, corn, hay, sweet potatoes, vegetables, poultry, swine, beef and dairy animals, tobacco, peanuts and pecans. Twelve of these exhibitors with 87 exhibits received awards for their placings. They are as follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>Number of entries</th>
<th>Premiums</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marion Stewart</td>
<td>2</td>
<td>$5.00</td>
</tr>
<tr>
<td>Edward McDowell</td>
<td>40</td>
<td>291.00</td>
</tr>
<tr>
<td>Henry Broadway</td>
<td>1</td>
<td>3.00</td>
</tr>
<tr>
<td>A.  L. McCaskill, Jr.</td>
<td>26</td>
<td>132.50</td>
</tr>
<tr>
<td>Manuel Lane</td>
<td>2</td>
<td>4.00</td>
</tr>
<tr>
<td>Reynolds Logan</td>
<td>1</td>
<td>1.50</td>
</tr>
<tr>
<td>Farrel Smith</td>
<td>9</td>
<td>12.00</td>
</tr>
<tr>
<td>Erodus Stokes</td>
<td>1</td>
<td>12.50</td>
</tr>
<tr>
<td>Joe Chewning</td>
<td>1</td>
<td>12.50</td>
</tr>
<tr>
<td>Billy Boykin</td>
<td>1</td>
<td>15.00</td>
</tr>
<tr>
<td>Spencer LeGrand</td>
<td>1</td>
<td>2.50</td>
</tr>
<tr>
<td>J. Lavan Watford</td>
<td>2</td>
<td>3.00</td>
</tr>
</tbody>
</table>

Totals 87 $494.50

Sumter County Fair: 1948 marked the second showing of a Lee County Dairy Calf Club in the Sumter County Fair. One member showed a heifer which was placed in the blue ribbon group.

State Fair Exhibits: One corn exhibit was made by one club member from Lee County. With this exhibit of ten ears of yellow corn he won a blue ribbon and was declared sweepstakes winner.

One Lee County 4-H Club boy made the following entries in the Swine Show held at the State Fair:

<table>
<thead>
<tr>
<th>Name</th>
<th>Entry</th>
<th>Placing</th>
<th>Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edward McDowell (Open)</td>
<td>Jr. yearling boar</td>
<td>1st</td>
<td>$8.00</td>
</tr>
<tr>
<td></td>
<td>Ages sow</td>
<td>1st</td>
<td>8.00</td>
</tr>
<tr>
<td></td>
<td>Sr. yearling sow</td>
<td>1st</td>
<td>8.00</td>
</tr>
<tr>
<td></td>
<td>Aged herd</td>
<td>1st</td>
<td>8.00</td>
</tr>
<tr>
<td>Edward McDowell (4-H Class)</td>
<td>Jr. yearling boar</td>
<td>1st</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>Sr. boar pig</td>
<td>2nd</td>
<td>4.00</td>
</tr>
<tr>
<td></td>
<td>Jr. boar pig</td>
<td>2nd &amp; 3rd</td>
<td>7.00</td>
</tr>
<tr>
<td></td>
<td>Aged sow</td>
<td>1st</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>Sr. yearling sow</td>
<td>1st</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>Jr. yearling sow</td>
<td>1st</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>Sr. sow pig</td>
<td>1st</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>Jr. sow pig</td>
<td>1st &amp; 3rd</td>
<td>6.00</td>
</tr>
</tbody>
</table>

Totals 114 Placings $76.00

Two Lee County 4-H Club boys made the following entries in the Dairy Show held at the State Fair:
<table>
<thead>
<tr>
<th>Name</th>
<th>Exhibit</th>
<th>Placing</th>
<th>Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. L. McCaskill, Jr.</td>
<td>Bull Sr. yearling</td>
<td>1st 1st</td>
<td>$15.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Jr. Champion</td>
<td>Rosette</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sr. Champion</td>
<td>Rosette</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Grand Champion</td>
<td>Rosette</td>
</tr>
<tr>
<td>A. L. McCaskill, Jr.</td>
<td>Heifer, Jr. calf</td>
<td>No placing</td>
<td>4th 6.00</td>
</tr>
<tr>
<td>(4-H Club)</td>
<td>cow, 2 years &amp; under 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brodus Stokes</td>
<td>Heifer, Sr. yearling</td>
<td>4th 6.00</td>
<td></td>
</tr>
<tr>
<td>(4-H Club)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>4 exhibits</strong></td>
<td><strong>$27.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

**District Brood Sow and Litter Contest:** The following named boys were enrolled in the District Brood Sow and Litter Contest for 1948:

- Henry Broadway
- McCoy Brown
- Wilson Barnes
- Billy Layton
- Farrel Smith
- Brodus Stokes
- Laverne McCaskill

**Sweet Potato Club:** Lee County entered the State Sweet Potato Contest in 1948 with six 4-H members. This project was not carried to completion due to early high prices and desire of boys to sell their crop green.

**Following is a list of the 4-H Club members which entered this contest:**

- Edward McDowell
- J. Lavan Watford
- Donald Watford
- Thomas Boone, Jr.
- A. L. McCaskill, Jr.
- Spencer LeGrand

**Special 4-H Events:** The following boys received valuable prizes awarded by the Bishopville Kiwanis Club at an Achievement Day Celebration sponsored and staged by the Kiwanis Club at the Lee County Fair:

<table>
<thead>
<tr>
<th>Name</th>
<th>Basis For Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edward McDowell</td>
<td>Achievement winner</td>
</tr>
<tr>
<td>A. L. McCaskill, Jr.</td>
<td>2nd. place achievement winner</td>
</tr>
</tbody>
</table>

**At this time the following announcements were made as to county achievement awards for 1948:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. L. McCaskill, Jr.</td>
<td>District Class B Dairy Production</td>
</tr>
<tr>
<td></td>
<td>County field crop</td>
</tr>
<tr>
<td></td>
<td>County meat animal</td>
</tr>
<tr>
<td></td>
<td>County poultry winner</td>
</tr>
<tr>
<td></td>
<td>County garden winner</td>
</tr>
</tbody>
</table>
State 4-H Club Champion: Edward McDowell won the State Meat Animal contest in 1948. The picture following shows Edward receiving the prize, which was a gold engraved watch, from Dr. J. T. Lazar, District Agricultural Agent.

Dairy Calf Club: While the Lee County Calf Club members have increased their number of animals considerably only one new member with one heifer has been added to the club. The club now has 4 members with 14 animals.

Dairy and Livestock Judging Team: Lee County produced a Dairy Cow and Livestock Judging Team in 1948. The Dairy Judging Team was declared State Champion and as such entered the National Judging Contest in Columbus, Ohio. This team placed 5th out of 18 4-H Club Teams in the nation and Richard Heriot, one of its members ranked 8th in the nation individually.

Following is a picture of the 1948 Lee County Dairy Judging Team and Coach.
4-H Club Records: Following is given a summary of 4-H Club records completed in 1948 according to enterprise:

### Pig Fattening Club

<table>
<thead>
<tr>
<th>Name of Member</th>
<th>Number of Animals</th>
<th>Days Fed</th>
<th>Gain In Wt.</th>
<th>Total Value</th>
<th>Total Cost</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edward McDowell</td>
<td>20</td>
<td>31</td>
<td>868</td>
<td>$949.36</td>
<td>$560.60</td>
<td>$388.76</td>
</tr>
<tr>
<td>Billy Pace</td>
<td>6</td>
<td>104</td>
<td>838</td>
<td>263.74</td>
<td>199.50</td>
<td>64.24</td>
</tr>
<tr>
<td>Dickie Hickson</td>
<td>1</td>
<td>200</td>
<td>125</td>
<td>30.00</td>
<td>27.25</td>
<td>2.75</td>
</tr>
<tr>
<td>Randall Johnson</td>
<td>3</td>
<td>88</td>
<td>225</td>
<td>60.00</td>
<td>49.25</td>
<td>10.75</td>
</tr>
<tr>
<td>Dale Player</td>
<td>4</td>
<td>95</td>
<td>504</td>
<td>203.15</td>
<td>158.40</td>
<td>44.75</td>
</tr>
<tr>
<td>Buddy Jackson</td>
<td>15</td>
<td>78</td>
<td>1125</td>
<td>700.40</td>
<td>546.85</td>
<td>153.55</td>
</tr>
<tr>
<td>Darby McCathern</td>
<td>10</td>
<td>55</td>
<td>620</td>
<td>438.54</td>
<td>357.50</td>
<td>91.04</td>
</tr>
<tr>
<td>Johnnie O'Kelley</td>
<td>9</td>
<td>50</td>
<td>473</td>
<td>436.71</td>
<td>409.50</td>
<td>27.21</td>
</tr>
<tr>
<td>A. L. McCaskell, Jr.</td>
<td>69</td>
<td>75</td>
<td>7691</td>
<td>3000.22</td>
<td>2398.00</td>
<td>602.22</td>
</tr>
<tr>
<td>Reynolds Logan</td>
<td>4</td>
<td>11</td>
<td>246</td>
<td>194.03</td>
<td>157.35</td>
<td>36.68</td>
</tr>
<tr>
<td>Harold Gainey</td>
<td>1</td>
<td>35</td>
<td>39</td>
<td>51.00</td>
<td>37.00</td>
<td>14.00</td>
</tr>
<tr>
<td>Farrell Smith</td>
<td>3</td>
<td>59</td>
<td>236</td>
<td>148.20</td>
<td>135.70</td>
<td>12.50</td>
</tr>
<tr>
<td>Henry C. Broadway</td>
<td>3</td>
<td>73</td>
<td>291</td>
<td>132.94</td>
<td>111.19</td>
<td>21.75</td>
</tr>
<tr>
<td>Spencer LeGrand</td>
<td>3</td>
<td>57</td>
<td>205</td>
<td>137.92</td>
<td>115.50</td>
<td>22.42</td>
</tr>
<tr>
<td>Jim Ed. Scurry</td>
<td>1</td>
<td>40</td>
<td>35</td>
<td>45.60</td>
<td>39.40</td>
<td>6.20</td>
</tr>
<tr>
<td>Robert Humphries</td>
<td>1</td>
<td>70</td>
<td>86</td>
<td>50.00</td>
<td>25.00</td>
<td>25.00</td>
</tr>
<tr>
<td>Bingham Davis, Jr.</td>
<td>1</td>
<td>60</td>
<td>65</td>
<td>50.00</td>
<td>38.40</td>
<td>11.60</td>
</tr>
<tr>
<td>Johnson Humphries</td>
<td>1</td>
<td>80</td>
<td>90</td>
<td>49.50</td>
<td>42.30</td>
<td>7.20</td>
</tr>
<tr>
<td>Grady Emore</td>
<td>1</td>
<td>105</td>
<td>118</td>
<td>55.00</td>
<td>36.30</td>
<td>18.70</td>
</tr>
<tr>
<td>Roby Truestade</td>
<td>5</td>
<td>75</td>
<td>413</td>
<td>227.50</td>
<td>165.75</td>
<td>61.75</td>
</tr>
<tr>
<td>Billy Boykin</td>
<td>5</td>
<td>90</td>
<td>562</td>
<td>265.88</td>
<td>217.63</td>
<td>48.25</td>
</tr>
<tr>
<td>Ol'In Stokes</td>
<td>8</td>
<td>60</td>
<td>528</td>
<td>343.20</td>
<td>228.56</td>
<td>114.64</td>
</tr>
<tr>
<td>Robert McKnight</td>
<td>4</td>
<td>103</td>
<td>373</td>
<td>156.07</td>
<td>148.50</td>
<td>7.57</td>
</tr>
<tr>
<td>Foster Chandler</td>
<td>1</td>
<td>58</td>
<td>65</td>
<td>44.30</td>
<td>40.60</td>
<td>3.70</td>
</tr>
<tr>
<td>Ellison Smith</td>
<td>1</td>
<td>60</td>
<td>70</td>
<td>39.75</td>
<td>35.50</td>
<td>4.25</td>
</tr>
<tr>
<td>Jack Lolli</td>
<td>1</td>
<td>50</td>
<td>70</td>
<td>41.50</td>
<td>33.00</td>
<td>8.50</td>
</tr>
<tr>
<td>Larry Brankett</td>
<td>1</td>
<td>50</td>
<td>55</td>
<td>37.50</td>
<td>31.30</td>
<td>6.20</td>
</tr>
<tr>
<td>Gary Hall</td>
<td>2</td>
<td>65</td>
<td>119</td>
<td>75.00</td>
<td>46.00</td>
<td>29.00</td>
</tr>
<tr>
<td>Manus Tisdale</td>
<td>1</td>
<td>40</td>
<td>36</td>
<td>43.50</td>
<td>36.00</td>
<td>7.50</td>
</tr>
<tr>
<td>Wilford Boone</td>
<td>1</td>
<td>30</td>
<td>25</td>
<td>35.00</td>
<td>28.00</td>
<td>7.00</td>
</tr>
<tr>
<td>Clarence Tisdale</td>
<td>1</td>
<td>43</td>
<td>40</td>
<td>39.40</td>
<td>30.00</td>
<td>9.40</td>
</tr>
</tbody>
</table>

**Totals**        | 137                |          |             | $8354.91    | $6493.23   | $1861.68|

### Dairy Calf Club

<table>
<thead>
<tr>
<th>Name</th>
<th>Number of Animals</th>
<th>Days Fed</th>
<th>Gain In Wt.</th>
<th>Total Value</th>
<th>Total Cost</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromus Stokes</td>
<td>1</td>
<td>256</td>
<td>200</td>
<td>$300.00</td>
<td>$191.00</td>
<td>$109.00</td>
</tr>
<tr>
<td>Robert McKnight</td>
<td>2</td>
<td>365</td>
<td>400</td>
<td>$400.00</td>
<td>295.00</td>
<td>105.00</td>
</tr>
<tr>
<td>A. L. McCaskell, Jr.</td>
<td>2</td>
<td>365</td>
<td>350</td>
<td>$841.50</td>
<td>412.55</td>
<td>428.95</td>
</tr>
<tr>
<td>Robert Prince</td>
<td>5</td>
<td>303</td>
<td>1500</td>
<td>$4,407.40</td>
<td>3,340.29</td>
<td>1,067.11</td>
</tr>
</tbody>
</table>

**Totals**        | 10                |          |             | $5943.90    | $4238.84   | $1710.06|
### Garden Club

<table>
<thead>
<tr>
<th>Name of Members</th>
<th>No. Acres</th>
<th>Yield</th>
<th>Total Value</th>
<th>Total Cost</th>
<th>Total Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ronald A. Houser</td>
<td>1/2</td>
<td>74/3</td>
<td>$211.75</td>
<td>$15.25</td>
<td>$166.50</td>
</tr>
<tr>
<td>Wade Stokes</td>
<td>1</td>
<td>95</td>
<td>177.00</td>
<td>30.90</td>
<td>146.10</td>
</tr>
<tr>
<td>Coley Powell</td>
<td>1/4</td>
<td>66</td>
<td>160.00</td>
<td>35.00</td>
<td>125.00</td>
</tr>
<tr>
<td>Jack Pendarvis</td>
<td>1/8</td>
<td>23</td>
<td>54.50</td>
<td>19.50</td>
<td>35.00</td>
</tr>
<tr>
<td>LeRoy Powell</td>
<td>1/8</td>
<td>19</td>
<td>38.75</td>
<td>8.50</td>
<td>30.25</td>
</tr>
<tr>
<td>Gary Chandler</td>
<td>1/8</td>
<td>15</td>
<td>30.00</td>
<td>8.75</td>
<td>21.25</td>
</tr>
<tr>
<td>Jimmy Pendarvis</td>
<td>1/16</td>
<td>6</td>
<td>11.50</td>
<td>4.30</td>
<td>7.20</td>
</tr>
<tr>
<td>Wayne Carmichael</td>
<td>1/8</td>
<td>22</td>
<td>43.00</td>
<td>11.00</td>
<td>32.00</td>
</tr>
<tr>
<td>John Houser, Jr.</td>
<td>1/3</td>
<td>85</td>
<td>183.00</td>
<td>52.00</td>
<td>129.00</td>
</tr>
<tr>
<td>David A. Houser</td>
<td>1/4</td>
<td>83 qts.</td>
<td>41.31</td>
<td>11.80</td>
<td>29.51</td>
</tr>
<tr>
<td>Donald Watford</td>
<td>1/8</td>
<td>32</td>
<td>61.50</td>
<td>29.75</td>
<td>31.75</td>
</tr>
<tr>
<td>A. L. McCaskill, Jr.</td>
<td>7/8</td>
<td>47</td>
<td>115.00</td>
<td>37.50</td>
<td>77.50</td>
</tr>
<tr>
<td>Spencer LeGrand</td>
<td>1/8</td>
<td>18</td>
<td>50.50</td>
<td>31.00</td>
<td>19.50</td>
</tr>
<tr>
<td>Terry Hancock</td>
<td>1/8</td>
<td>13</td>
<td>21.00</td>
<td>5.00</td>
<td>15.00</td>
</tr>
<tr>
<td>Esther Price</td>
<td>1/4</td>
<td>25</td>
<td>43.30</td>
<td>21.50</td>
<td>22.80</td>
</tr>
<tr>
<td>Lois Hall</td>
<td>1/4</td>
<td>27</td>
<td>40.00</td>
<td>22.00</td>
<td>18.00</td>
</tr>
<tr>
<td>Robert Reynolds, Jr.</td>
<td>1/3</td>
<td>50</td>
<td>111.50</td>
<td>46.00</td>
<td>65.50</td>
</tr>
<tr>
<td>Elvin Price</td>
<td>1/2</td>
<td>73</td>
<td>165.00</td>
<td>58.00</td>
<td>107.00</td>
</tr>
</tbody>
</table>

**Totals**  
5 9/16  
$1,567.61  
$480.35  
$1,087.26

### Poultry Club

<table>
<thead>
<tr>
<th>Name of Members</th>
<th>Strong Chicks</th>
<th>Total Value</th>
<th>Total Cost</th>
<th>Total Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Everett Lewis</td>
<td>50</td>
<td>$57.50</td>
<td>$31.50</td>
<td>$26.00</td>
</tr>
<tr>
<td>Dickie Hickson</td>
<td>40</td>
<td>50.00</td>
<td>28.60</td>
<td>21.40</td>
</tr>
<tr>
<td>Roy Hudgens, Jr.</td>
<td>50</td>
<td>46.00</td>
<td>35.55</td>
<td>10.45</td>
</tr>
<tr>
<td>Johnny Hudgens</td>
<td>50</td>
<td>46.00</td>
<td>34.85</td>
<td>11.15</td>
</tr>
<tr>
<td>Lloyd Atkinson</td>
<td>50</td>
<td>57.00</td>
<td>33.50</td>
<td>23.50</td>
</tr>
<tr>
<td>Marion Natts</td>
<td>100</td>
<td>96.00</td>
<td>71.00</td>
<td>25.00</td>
</tr>
<tr>
<td>Grady Elmore</td>
<td>50</td>
<td>53.50</td>
<td>31.75</td>
<td>21.75</td>
</tr>
<tr>
<td>Chas. Elmore</td>
<td>50</td>
<td>49.50</td>
<td>35.00</td>
<td>14.50</td>
</tr>
<tr>
<td>Alvin Amerson</td>
<td>50</td>
<td>54.00</td>
<td>37.50</td>
<td>16.50</td>
</tr>
<tr>
<td>Robert Clements</td>
<td>100</td>
<td>103.50</td>
<td>68.50</td>
<td>35.00</td>
</tr>
<tr>
<td>Harold Stewart</td>
<td>100</td>
<td>114.00</td>
<td>59.90</td>
<td>54.10</td>
</tr>
</tbody>
</table>

**Totals**  
690  
727.00  
467.65  
259.35

### Cotton Club

<table>
<thead>
<tr>
<th>Name</th>
<th>No. Seed</th>
<th>Total Value</th>
<th>Total Cost</th>
<th>Total Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. B. Windham</td>
<td>1</td>
<td>1150 lbs.</td>
<td>$152.29</td>
<td>$69.00</td>
</tr>
<tr>
<td>Marion Stewart</td>
<td>5</td>
<td>6300</td>
<td>835.05</td>
<td>493.00</td>
</tr>
</tbody>
</table>

**Totals**  
6  
7450 lbs.  
987.34  
502.00  
425.34
<table>
<thead>
<tr>
<th>Name of Member</th>
<th>No. Pigs Farrowed</th>
<th>No. Pigs Raised</th>
<th>Total Value</th>
<th>Total Cost</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sam McCutchen</td>
<td>8</td>
<td>6</td>
<td>$140.00</td>
<td>$63.50</td>
<td>$76.50</td>
</tr>
<tr>
<td>A. L. McCaskill, Jr.</td>
<td>9</td>
<td>8</td>
<td>$355.00</td>
<td>$61.05</td>
<td>$293.95</td>
</tr>
<tr>
<td>Edward McDowell</td>
<td>78</td>
<td>71</td>
<td>$3500.00</td>
<td>$2110.00</td>
<td>$1390.00</td>
</tr>
<tr>
<td>Brodus Stokes</td>
<td>9</td>
<td>7</td>
<td>$290.00</td>
<td>$118.50</td>
<td>$171.50</td>
</tr>
<tr>
<td>Farrell Smith</td>
<td>9</td>
<td>7</td>
<td>$290.00</td>
<td>$135.50</td>
<td>$154.50</td>
</tr>
<tr>
<td>Harry Broadway</td>
<td>7</td>
<td>6</td>
<td>$270.00</td>
<td>$143.00</td>
<td>$127.00</td>
</tr>
<tr>
<td>McCoy Brown</td>
<td>6</td>
<td>5</td>
<td>$180.00</td>
<td>$121.00</td>
<td>$59.00</td>
</tr>
<tr>
<td>Wilson Barnes</td>
<td>5</td>
<td>4</td>
<td>$135.00</td>
<td>$91.50</td>
<td>$43.50</td>
</tr>
<tr>
<td>Robert McKnight</td>
<td>7</td>
<td>6</td>
<td>$220.00</td>
<td>$117.00</td>
<td>$103.00</td>
</tr>
<tr>
<td>J. Lavan Watford</td>
<td>11</td>
<td>8</td>
<td>$210.00</td>
<td>$115.00</td>
<td>$95.00</td>
</tr>
<tr>
<td>Richard McCaskill</td>
<td>12</td>
<td>8</td>
<td>$215.00</td>
<td>$110.75</td>
<td>$104.25</td>
</tr>
<tr>
<td>Robie McElveen</td>
<td>7</td>
<td>5</td>
<td>$110.00</td>
<td>$79.50</td>
<td>$30.50</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>168</strong></td>
<td><strong>141</strong></td>
<td><strong>5,915.00</strong></td>
<td><strong>$3,302.30</strong></td>
<td><strong>$2,612.70</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Member</th>
<th>No. Acres</th>
<th>Yield</th>
<th>Total Value</th>
<th>Total Cost</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frank Breailey</td>
<td>1</td>
<td>54</td>
<td>$81.00</td>
<td>$27.75</td>
<td>$53.25</td>
</tr>
<tr>
<td>Edward McDowell</td>
<td>5</td>
<td>372</td>
<td>$558.00</td>
<td>$173.80</td>
<td>$384.20</td>
</tr>
<tr>
<td>John Henry Bell</td>
<td>1</td>
<td>23</td>
<td>$37.50</td>
<td>$18.00</td>
<td>$19.50</td>
</tr>
<tr>
<td>Kent Tyler</td>
<td>1</td>
<td>35</td>
<td>$52.50</td>
<td>$23.00</td>
<td>$29.50</td>
</tr>
<tr>
<td>Rufus Lane</td>
<td>1</td>
<td>25</td>
<td>$37.50</td>
<td>$25.00</td>
<td>$12.50</td>
</tr>
<tr>
<td>J. P. Windham</td>
<td>1</td>
<td>20</td>
<td>$30.00</td>
<td>$17.50</td>
<td>$12.50</td>
</tr>
<tr>
<td>Adville Atkinson</td>
<td>1</td>
<td>20</td>
<td>$30.00</td>
<td>$19.00</td>
<td>$11.00</td>
</tr>
<tr>
<td>Harold Gainey</td>
<td>1</td>
<td>31</td>
<td>$46.50</td>
<td>$29.50</td>
<td>$17.00</td>
</tr>
<tr>
<td>Reynolds Logan</td>
<td>2</td>
<td>82</td>
<td>$123.00</td>
<td>$78.00</td>
<td>$45.00</td>
</tr>
<tr>
<td>Carl Watts</td>
<td>1</td>
<td>18</td>
<td>$27.00</td>
<td>$20.00</td>
<td>$7.00</td>
</tr>
<tr>
<td>Thomas LeGrand</td>
<td>1</td>
<td>27</td>
<td>$40.50</td>
<td>$21.50</td>
<td>$19.00</td>
</tr>
<tr>
<td>Quitman LeGrand</td>
<td>1</td>
<td>25</td>
<td>$37.50</td>
<td>$21.50</td>
<td>$16.00</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>17</strong></td>
<td><strong>734</strong></td>
<td><strong>$1101.00</strong></td>
<td><strong>$741.55</strong></td>
<td><strong>$359.45</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Member</th>
<th>No. Acres</th>
<th>Yield</th>
<th>Total Value</th>
<th>Total Cost</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. Lavan Watford</td>
<td>1</td>
<td>225</td>
<td>$308.75</td>
<td>$149.70</td>
<td>$159.05</td>
</tr>
<tr>
<td>Billy Pace</td>
<td>1</td>
<td>100</td>
<td>$320.00</td>
<td>$121.00</td>
<td>$200.00</td>
</tr>
<tr>
<td>Edward McDowell</td>
<td>1</td>
<td>300</td>
<td>$551.25</td>
<td>$198.65</td>
<td>$352.60</td>
</tr>
<tr>
<td>A. L. McCaskill, Jr.</td>
<td>1</td>
<td>312</td>
<td>$393.50</td>
<td>$247.35</td>
<td>$146.15</td>
</tr>
<tr>
<td>Donald Watford</td>
<td>1</td>
<td>275</td>
<td>$287.50</td>
<td>$136.70</td>
<td>$150.80</td>
</tr>
<tr>
<td>Thomas Boone, Jr.</td>
<td>1</td>
<td>305</td>
<td>$375.00</td>
<td>$212.60</td>
<td>$162.40</td>
</tr>
<tr>
<td>Robert McKnight</td>
<td>$</td>
<td>168</td>
<td>$223.80</td>
<td>$85.70</td>
<td>$138.10</td>
</tr>
<tr>
<td>Marion Stewart</td>
<td>$</td>
<td>115</td>
<td>$211.50</td>
<td>$97.50</td>
<td>$114.00</td>
</tr>
<tr>
<td>Jack McClam</td>
<td>$</td>
<td>136</td>
<td>$147.00</td>
<td>$83.45</td>
<td>$63.55</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>$72</strong></td>
<td><strong>2091</strong></td>
<td><strong>$2,018.30</strong></td>
<td><strong>$1,325.05</strong></td>
<td><strong>$1,492.65</strong></td>
</tr>
</tbody>
</table>
Calf Beef Club

<table>
<thead>
<tr>
<th>Name of Member</th>
<th>No. of Animals</th>
<th>Days Fed</th>
<th>Gain In Weight</th>
<th>Total Value</th>
<th>Total Cost</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edward McDowell</td>
<td>6</td>
<td>280</td>
<td>2250</td>
<td>$1511.28</td>
<td>$1050.00</td>
<td>$461.28</td>
</tr>
<tr>
<td>Dick Heriot</td>
<td>2</td>
<td>60</td>
<td>235</td>
<td>212.76</td>
<td>187.50</td>
<td>25.26</td>
</tr>
<tr>
<td>John McCoy</td>
<td>1</td>
<td>120</td>
<td>250</td>
<td>165.00</td>
<td>135.00</td>
<td>30.00</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>9</strong></td>
<td><strong>460</strong></td>
<td><strong>2735</strong></td>
<td><strong>$1919.04</strong></td>
<td><strong>$1372.50</strong></td>
<td><strong>$546.54</strong></td>
</tr>
</tbody>
</table>

Peanuts

<table>
<thead>
<tr>
<th>Name of Member</th>
<th>Acres</th>
<th>Lbs.</th>
<th>Total Value</th>
<th>Total Cost</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mayo Hyatt</td>
<td>1</td>
<td>1750</td>
<td>$161.25</td>
<td>$86.50</td>
<td>$74.75</td>
</tr>
</tbody>
</table>

PIG BREEDING CLUB

<table>
<thead>
<tr>
<th>Name of Member</th>
<th>No. of Animals</th>
<th>Days Fed</th>
<th>Gain in Wt.</th>
<th>Total Value</th>
<th>Total Cost</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Billy Layton</td>
<td>1</td>
<td>365</td>
<td>91 lbs.</td>
<td>$60.00</td>
<td>$56.50</td>
<td>$3.50</td>
</tr>
<tr>
<td>Julian Nesbit</td>
<td>1</td>
<td>20</td>
<td>15 lbs.</td>
<td>35.00</td>
<td>34.20</td>
<td>.80</td>
</tr>
<tr>
<td>Darby McCathern</td>
<td>1</td>
<td>180</td>
<td>270 lbs.</td>
<td>125.00</td>
<td>70.00</td>
<td>55.00</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>3</strong></td>
<td><strong>565</strong></td>
<td><strong>376 lbs.</strong></td>
<td><strong>$220.00</strong></td>
<td><strong>$160.70</strong></td>
<td><strong>$59.30</strong></td>
</tr>
</tbody>
</table>

HORTICULTURE

Extension work in Horticulture in Lee County during 1948 included demonstrations in home garden, sweet potatoes and home orchards.

**Gardens:** Educational material on garden culture was given through news articles and circular letters, and personal contacts. 21 news articles and 3 information letters and 31 farm visits were made during the year.

**Sweet Potatoes:** Sweet potato work in 1948 included hotbed demonstrations, production and harvesting demonstrations, assistance in selection and marketing.

**Fire Heated Hotbeds:** Three fire heated hotbed demonstrations were completed. A summary follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>No. of Beds</th>
<th>Size of Bed</th>
<th>Bushels Bedded</th>
<th>Date Bedded</th>
<th>Date Pulled</th>
<th>No. of Plants</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. E. Durant</td>
<td>1</td>
<td>7 1/2 x 45</td>
<td>32</td>
<td>3/12/48</td>
<td>4/4/48</td>
<td>140,000</td>
</tr>
<tr>
<td>Ralph Bell</td>
<td>4</td>
<td>14 x 60</td>
<td>480</td>
<td>2/28/48</td>
<td>3/28/48</td>
<td>931,000</td>
</tr>
</tbody>
</table>
Manure Heated Hotbeds: The following records were obtained on 2 manure heated hotbeds in 1948:

<table>
<thead>
<tr>
<th>Name</th>
<th>No. Beds</th>
<th>Size of Bed</th>
<th>Bushels Bedded</th>
<th>Date Bedded</th>
<th>Date Pulled</th>
<th>No. Plants</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. E. DuRant</td>
<td>1</td>
<td>6' x 18'</td>
<td>12</td>
<td>3/12/48</td>
<td>3/28/48</td>
<td>78,000</td>
</tr>
<tr>
<td>J. E. McCutchen</td>
<td>1</td>
<td>6' x 30'</td>
<td>70</td>
<td>3/4/38</td>
<td>4/21/48</td>
<td>125,000</td>
</tr>
</tbody>
</table>

Electric Heated Hotbeds: Records were obtained on the operation of 3 electric heated hotbeds in 1948. Following is a summary:

<table>
<thead>
<tr>
<th>Name</th>
<th>No. Beds</th>
<th>Size of Bed</th>
<th>Bushels Bedded</th>
<th>Date Bedded</th>
<th>Date Pulled</th>
<th>No. Plants</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. B. Gentry</td>
<td>1</td>
<td>6' x 60'</td>
<td>70</td>
<td>3/8/38</td>
<td>4/16/48</td>
<td>120,000</td>
</tr>
<tr>
<td>Ralph Bell</td>
<td>1</td>
<td>6' x 60'</td>
<td>70</td>
<td>2/28/48</td>
<td>4/2/48</td>
<td>115,000</td>
</tr>
<tr>
<td>C. B. Player</td>
<td>2</td>
<td>6' x 40'</td>
<td>115</td>
<td>2/22/48</td>
<td>4/2/48</td>
<td>184,000</td>
</tr>
</tbody>
</table>

Sweet Potato Demonstrations: Two sweet potato enterprise demonstrations were completed with the following results:

<table>
<thead>
<tr>
<th>Name</th>
<th>No. Acres</th>
<th>No. Bu. Produced</th>
<th>Value</th>
<th>Cost</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. E. DuRant</td>
<td>1</td>
<td>550</td>
<td>$952.50</td>
<td>$374.25</td>
<td>$578.25</td>
</tr>
<tr>
<td>C. B. Player</td>
<td>4</td>
<td>1072</td>
<td>$1340.00</td>
<td>$535.00</td>
<td>$805.00</td>
</tr>
</tbody>
</table>

Cucumber Demonstrations: One cucumber enterprise demonstration record was completed with the following results:

<table>
<thead>
<tr>
<th>Name</th>
<th>No. Acres</th>
<th>Total Pounds Produced</th>
<th>Value</th>
<th>Cost</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. E. Watford</td>
<td>1½</td>
<td>6,000</td>
<td>$2412.25</td>
<td>$153.25</td>
<td>$88.00</td>
</tr>
</tbody>
</table>

Sweet Potato Marketing: Assistance was given producers in harvesting, grading, and marketing. Several harvesting and grading demonstrations were given. A large number of growers were advised and assisted in marketing sweet potatoes through two local markets who accept potatoes every day during the season in both large and small lots, and also 3 out of county buyers. Encouraged farmers to dehydrate their culls for livestock feed.

Miscellaneous: The following trees, etc. were ordered cooperatively by the county agent for farm people in the county:
- 2½ farmers 165 fruit and nut trees
- 5 farmers 400 tulip bulbs

Pruning Demonstrations: 7 method demonstrations were conducted and periodic news releases were issued giving advice as to proper care of orchard.
MARKETING

Extension work in marketing for 1948 consisted of grading, packing and aiding farmers in cooperative buying and selling.

Grading and Packing: With the assistance of marketing specialists, the agents have worked closely in encouraging farmers of the county to improve the grade and pack of products as a stimulant to heavier demand. Method demonstrations were given when practical, and farmers encouraged at meetings and through circular letters and news articles.

Inspection Work: Sweet potatoes purchased in car and truck lots by out of county individual buyers were inspected and marketed from the county with assistance of state marketing specialist when requested.

Marketing: The county agent served the Lee County Livestock Association in an advisory capacity and supervised the cooperative assembling, grading and selling of hogs. The agent also served at various times during the year in bringing buyer and seller together. During 1948 the agent helped the Association start in handling feeds and seed cooperatively, and assisted in the affiliation with the Farmers Cooperative Exchange.

On the following page is a summary of cooperative marketing work carried on with the assistance of county agents during the year:
Summary Marketing Work 1948

<table>
<thead>
<tr>
<th>Product</th>
<th>Quantity</th>
<th>Bought</th>
<th>Sold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hogs (meat)</td>
<td>1800 head</td>
<td>$1,397.50</td>
<td>$78,045.50</td>
</tr>
<tr>
<td>Hogs (breeding)</td>
<td>112 head</td>
<td>7,732.00</td>
<td>5,309.00</td>
</tr>
<tr>
<td>Beef Cattle (meat)</td>
<td>76 head</td>
<td>374.50</td>
<td>13,624.56</td>
</tr>
<tr>
<td>Beef Cattle (breeding)</td>
<td>40 head</td>
<td>7,665.00</td>
<td>2,235.00</td>
</tr>
<tr>
<td>Poultry (including turkeys)</td>
<td>6350 pounds</td>
<td></td>
<td>2,540.00</td>
</tr>
<tr>
<td>Shell Eggs</td>
<td>3100 dozen</td>
<td>1,550.00</td>
<td>2,801.50</td>
</tr>
<tr>
<td>Hatching Eggs</td>
<td>431 dozen</td>
<td></td>
<td>600.00</td>
</tr>
<tr>
<td>Baby Chicks</td>
<td>4000 head</td>
<td>3,470.00</td>
<td>4,100.00</td>
</tr>
<tr>
<td>Dairy Cattle</td>
<td></td>
<td></td>
<td>8,468.00</td>
</tr>
<tr>
<td>Milk</td>
<td>116,300 pounds</td>
<td></td>
<td>18,806.70</td>
</tr>
<tr>
<td>Sheep, Lambs, etc.</td>
<td>10 head</td>
<td></td>
<td>30.00</td>
</tr>
<tr>
<td>Horses &amp; Mules</td>
<td>4 head</td>
<td>900.00</td>
<td></td>
</tr>
<tr>
<td>Queen Bees</td>
<td>3 head</td>
<td>7.50</td>
<td></td>
</tr>
<tr>
<td>Sweet Potatoes</td>
<td>11,398 bushels</td>
<td></td>
<td>18,806.70</td>
</tr>
<tr>
<td>Vegetable Crops</td>
<td>121 tons</td>
<td></td>
<td>4,235.00</td>
</tr>
<tr>
<td>Corn (feed)</td>
<td>22,240 bushels</td>
<td></td>
<td>44,480.00</td>
</tr>
<tr>
<td>Corn (seed)</td>
<td>130 bushels</td>
<td>337.50</td>
<td></td>
</tr>
<tr>
<td>Cotton</td>
<td>674 bales</td>
<td>101,100.00</td>
<td></td>
</tr>
<tr>
<td>Cottonseed</td>
<td>307 tons</td>
<td>2,350.00</td>
<td>22,875.00</td>
</tr>
<tr>
<td>Wheat</td>
<td>3,920 bushels</td>
<td></td>
<td>9,800.00</td>
</tr>
<tr>
<td>Oats</td>
<td>15,400 bushels</td>
<td></td>
<td>15,400.00</td>
</tr>
<tr>
<td>Rye</td>
<td>2,600 bushels</td>
<td>10,010.00</td>
<td></td>
</tr>
<tr>
<td>Barley</td>
<td>85 bushels</td>
<td>340.00</td>
<td>4,104.00</td>
</tr>
<tr>
<td>Peanuts</td>
<td>19 tons</td>
<td>4,197.50</td>
<td>4,104.00</td>
</tr>
<tr>
<td>Beans (velvet or soy)</td>
<td>406 bushels</td>
<td>2,563.75</td>
<td></td>
</tr>
<tr>
<td>Cow Peas</td>
<td>232 bushels</td>
<td>1,972.00</td>
<td></td>
</tr>
<tr>
<td>Crotalaria</td>
<td>1,300 pounds</td>
<td>60.00</td>
<td>200.00</td>
</tr>
<tr>
<td>Sweet Potato Plants</td>
<td>178,000 (1000)</td>
<td></td>
<td>623.00</td>
</tr>
<tr>
<td>Hay</td>
<td>115 tons</td>
<td>4,025.00</td>
<td></td>
</tr>
<tr>
<td>Yetch Seed</td>
<td>400 lbs.</td>
<td>64.00</td>
<td></td>
</tr>
<tr>
<td>Winter Pea Seed</td>
<td>5,000 lbs.</td>
<td>487.50</td>
<td></td>
</tr>
<tr>
<td>Lespedeza Seed</td>
<td>25,410 lbs.</td>
<td>4,631.40</td>
<td>1,200.00</td>
</tr>
<tr>
<td>Climbers, Seed</td>
<td>662 lbs.</td>
<td>904.00</td>
<td>352.00</td>
</tr>
<tr>
<td>Pecans</td>
<td>2,200 lbs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Miscellaneous Seeds</td>
<td>7,400 lbs.</td>
<td>1,910.00</td>
<td></td>
</tr>
<tr>
<td>Nursery Stock</td>
<td>165 number</td>
<td>148.35</td>
<td></td>
</tr>
<tr>
<td>Timber or Lumber</td>
<td>1,200,000 bd. feet</td>
<td>31,650.00</td>
<td>9,312.00</td>
</tr>
<tr>
<td>Pulpwood</td>
<td>1,164 units</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forest Seedlings</td>
<td>71,000 units (free)</td>
<td>25,280.20</td>
<td>9,998.75</td>
</tr>
<tr>
<td>Farm Machinery &amp; Equipment</td>
<td>51 units</td>
<td>25,280.20</td>
<td>9,998.75</td>
</tr>
<tr>
<td>Benzine Hexachloride</td>
<td>105,250 lbs.</td>
<td>9,298.75</td>
<td></td>
</tr>
<tr>
<td>Other Insecticides</td>
<td>33,450 lbs.</td>
<td>6,226.00</td>
<td></td>
</tr>
<tr>
<td>Protein Supplement</td>
<td>13,400 lbs.</td>
<td>936.54</td>
<td></td>
</tr>
<tr>
<td>Feeds</td>
<td>86,000 lbs.</td>
<td>5,375.00</td>
<td></td>
</tr>
<tr>
<td>Lime</td>
<td>150 tons</td>
<td>915.00</td>
<td></td>
</tr>
<tr>
<td>Fertilizers</td>
<td>60 tons</td>
<td>3,780.00</td>
<td></td>
</tr>
</tbody>
</table>

Totals                   | $101,102.49  | $387,380.76  |
**POULTRY**

Extension work with poultry production in Lee County in 1948 consisted of furnishing timely information and assistance through personal visits, news articles and circular letters.

Cooperative Poultry Sales: One cooperative sale of poultry was held with the following results:

<table>
<thead>
<tr>
<th>Month</th>
<th>Number Shippers</th>
<th>Number pounds</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 15, 1948</td>
<td>36</td>
<td>6,350</td>
<td>$2,540.00</td>
</tr>
</tbody>
</table>

Following is a summary of poultry marketing 1939 through 1948:

<table>
<thead>
<tr>
<th>Year</th>
<th>Number Shippers</th>
<th>Pounds</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1939</td>
<td>319</td>
<td>18,702</td>
<td>$2,691.50</td>
</tr>
<tr>
<td>1940</td>
<td>134</td>
<td>12,132</td>
<td>1,460.53</td>
</tr>
<tr>
<td>1941</td>
<td>184</td>
<td>17,368</td>
<td>2,334.60</td>
</tr>
<tr>
<td>1942</td>
<td>65</td>
<td>4,810</td>
<td>805.49</td>
</tr>
<tr>
<td>1943</td>
<td>74</td>
<td>5,866</td>
<td>1,367.22</td>
</tr>
<tr>
<td>1944</td>
<td>117</td>
<td>10,547</td>
<td>2,437.89</td>
</tr>
<tr>
<td>1945</td>
<td>74</td>
<td>5,363</td>
<td>1,315.22</td>
</tr>
<tr>
<td>1946</td>
<td>35</td>
<td>5,417</td>
<td>1,338.39</td>
</tr>
<tr>
<td>1947</td>
<td>52</td>
<td>2,743</td>
<td>744.91</td>
</tr>
<tr>
<td>1948</td>
<td>36</td>
<td>6,350</td>
<td>2,540.00</td>
</tr>
</tbody>
</table>

Totals: 1090, 89,338, 16,835.75

The county and home agents secured the cooperation of two local merchants in establishing a regular daily egg market for surplus eggs. This afforded an outlet for all surplus eggs at a period when farmers would not have been able to dispose of eggs otherwise.

Following is a summary of eggs marketed during 1948:

<table>
<thead>
<tr>
<th>Year</th>
<th>No. Farmers Served</th>
<th>No. Dozen</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1948</td>
<td>71</td>
<td>3,100</td>
<td>$1,550.00</td>
</tr>
</tbody>
</table>

Many eggs produced in the county are sold to nearby hatcheries.

Securing Baby Chicks: 11 farmers were assisted in securing 4,000 day old chicks. Many others were advised as to place to order and otherwise assisted.

Blood Testing: 6 farmers have been assisted in obtaining the services of local hatcheries to blood test their flocks.

Culling Demonstrations: 7 culling demonstrations were given with the following results:
Name                  Number birds Culled

Tracy Skinner        215
Mrs. V. S. Goodyear   175
Mrs. Genie E. Smith   217
J. E. King           65
Robert Latimer       35
C. F. Anderson       47
W. J. Hammond        150

Miscellaneous: 118 poultry producers called at the county agents' office for advice as to control of various diseases of poultry.

Visual Instruction

Visual instruction work during the year consisted of the use of charts and maps at extension meetings; showed educational motion pictures to 1,548 farm people at 32 meetings and took 27 different snap shots of demonstration projects.

A.A.A. Activities

The work of the A.A.A. in the county has been so arranged that it requires much less of the county agents' time than formerly.

The office of the A.A.A. has moved out of the county agent's office but the agents are still called upon to give much advice in reference to the program. The agents gave to farmers timely information relative to the benefits they could earn through the A.A.A. Program.

Publicity

Publicity work and dissimulating educational work in connection with the extension program in Lee County in 1948 was done through circular letters, press articles, distribution of bulletins and farm visits.

Summary Publicity Work

Individual letters written.........................1,231
Circular letters........................................... 29
Copies mailed........................................... 25,413
Press articles............................................ 219
Bulletins distributed................................. 3,148

Circular Letters: A total of 29 circular letters were prepared by the county agents of which 25,413 copies were mailed to farmers and 4-H club members. These letters contained timely and useful information on various farm subjects.

Individual Letters Written: A total of 1,231 individual letters were written to farmers and 4-H club members relative to the extension program.

Press Articles: A total of 219 news articles were published as regular items in the county and home agents' weekly news column and also as feature articles where they would best serve. 215 square inches of newspaper space was used by sponsors in advertising the 1948 Agricultural Program.

Bulletins distributed: A total of 3,148 bulletins were distributed to farmers and 4-H club members during the year.
National Publicity Given To Lee County's 5-Acre Corn Contest: The following is taken from an article in the magazine "Country Gentleman", dated March, 1948.

"SOUTHERN CORN YIELDS are on their way up through use of improved methods and fertilizer, according to results of experiments. For example, it was 113.9 bushels of corn per acre when handled 'Bryant's Way' as compared with 51.6 bushels of corn per acre when handled the usual way, on the C. W. Josey farm in Lee County, South Carolina.

"W. L. Bryant is the county agent in Lee County and the big yield was obtained in a demonstration acreage of corn he planted following methods worked out by the state experiment station. On the Josey farm, Bryant put in a 5-acre plot, with heavy fertilization, closer rows, thicker spacing, and less cultivation than usual, while the farmer put in an adjoining 5 acres, using normal methods. The 'Bryant's Way' corn was planted in 3-foot rows, the other in 5-foot rows; the plants were spaced 15 inches in the row, one stalk to the hill, in both cases. The test plot received 3½ tons of manure per acre, and was plowed with a one-way disk tiller. Bryant cultivated his corn only about half as much as usual; it received one furrow with 16-inch sweep in the middles on May 6, two furrows to the row with turn plow point, close to the corn, on May 15, was sided with 16-inch sweep, two furrows to the row on May 23, and was laid by with a one-horse middle buster in middles on June 2.

"When the corn was picked, Josey found that the 'Bryant's Way' corn was the cheapest ever produced on his land. It was worth a total of $1142.50 against $687.50 for the other corn. The total cost of production was more for the higher yield, $301.45 as compared to $148.75, but the profit on the test plot was $1121.05, while it was only $538 on the regular plot."

On the following pages will be found specimens of circular letters issued during the year."
TO: ALL LEE COUNTY FARM FAMILIES

Are you confused in making your Farm Plans for 1948? Would you like to know more about the experimental data on Boll Weevil Control with the new insecticides? The general Farm Outlook on main farm crops and livestock? What you might expect from the AAA? Farm machinery and other interesting features pertaining to your Farm Program for 1948?

These and other questions will be answered at the County Outlook meeting to be held Thursday Morning, January 22 between 10 and 11 o'clock at the County Court House.

Experts from Clemson who attended the National Farm Outlook meeting a few weeks ago will be here to give you the most up to date information possible to give to farmers at this time. You can't afford to miss this meeting if you plan to farm economically this year.

Following the one (1) hour meeting, Method Demonstrations will be given on application of New Insecticides, Livestock Sanitation, Tobacco Production and Disease Control. Come and bring your neighbor!

REMEMBER THE TIME: (1 hour) - 10:00 O'CLOCK, THURSDAY, JANUARY 22.

REMEMBER THE PLACE: LEE COUNTY COURT HOUSE, BISHOPVILLE, S. C.

REMEMBER TO BRING SOMEBODY WITH YOU.

Very truly yours,

W. L. Bryant
County Agent

Mary Ida Warner
County Home Demonstration Agent
Dear Farmer:

A campaign to deal the of Lee County a death blow is being planned for THURSDAY, FEBRUARY 19, 1948. This campaign is being sponsored by the County Extension Service, the County Health Department and other cooperating organizations in the county.

If you wish to get rid of the on your farm, send to this office by FEBRUARY 9th your order for poison bait which will cost only $1.00. You will receive a standard package of Red Squill bait which will be sufficient to poison the average farm. Red Squill is harmless to people and domestic animals, but has proven deadly effective on . Directions for use will be on each package.

You will be notified by mail which community point you can pick up your poison.

Do not travel from farm to farm; encourage your neighbor to order bait.

It will cost people of Lee County an estimated $200,000.00; this is in addition to the deadly diseases they spread.

Keep down diseases and keep healthy. Take advantage of the FREE Chest X-Ray. A schedule is enclosed.

Sincerely,

Mary Ida Warner
County Home Dem. Agent

Frieda Carter
Ass't. Home Dem. Agent

W. L. Bryant
County Agent

V. F. Linder
Ass't. County Agent
TO ALL LEE COUNTY FARMERS:

After talking to Lee County farmers during the past few months, I have found that many who have never dusted cotton for insect control are planning to dust this year and are seeking information on the kind of poison and dusters to use. I hope this material will be of some benefit to you.

Be sure to buy your dust and duster now. Steel and transportation may be short within the next few months. A two-row mule drawn duster will cover from 20 to 30 acres adequately. Larger acreages can best be covered by tractors or airplane dusters.

The Pee Dee Experiment Station at Florence reports that the boll weevil outlook for 1948 is just about as bad as it was in 1947. If weather conditions are normal during May, June and July, the boll weevil will cause serious damage.

Do not chop or thin until after the seedlings are about 3 inches high. When chopping, have 2 or 3 stalks per hill every hoe width. Do not destroy your stand of cotton by chopping out too much or by carelessly hoeing or plowing. Cultivate shallow and only often enough to control weeds.

If we can help you let us know.

Yours very truly,

W. L. Bryant
County Agent

V. F. Linder
Asst. County Agt.
Dear 4-H Member:

The County 4-H Council, made up of all 4-H Club members in the county will hold its annual meeting **Saturday, May 22nd at 9:30 O’Clock** at the Lyric Theatre.

Every 4-H boy and girl in the county is urged to attend. Parents and friends are also invited to come.

There will be a short program after which the certificates and diplomas will be delivered. Council officers will be elected.

There will also be a dress revue.

Everyone come and enjoy this get-together. Come to the front of the Court House at 9:00 O’Clock and we will all march to the Lyric Theatre.

Sincerely,

W. L. Bryant
County Agent

V. F. Linder
Asst. County Agt.

Mary Ida Warner
Co. Home Dem. Agent

Frieda Carter
COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA
Bishopville, S.C.
May 6, 1948

TO AGRICULTURAL PLANNING COMMITTEE, AGRICULTURAL AGENCIES,
INSECTICIDE AND FARM MACHINERY DEALERS OF LEE COUNTY:

Please attend the Boll Weevil Control meeting on Tuesday morning, May 11th, at 10:30 O’Clock in the court room of the Lee County Court House, and bring with you any interested farmer who may be planning to dust cotton this year.

We hope that every member of the County Agricultural Committee will be able to attend along with all agricultural agencies of the county and dealers of insecticides and farm machinery.

The dealers of insecticides and dusters, we presume, will have up to date information on availability of same.

It is to your advantage to attend this meeting so that we can get our heads together and formulate plans that will really benefit the county during the dusting season.

Your help is needed to put this program across. Hope to see you on Tuesday morning at 10:30 O’Clock.

Yours very truly,

W. L. Bryant
W. L. Bryant
County Agent

V. F. Linder
V. F. Linder
Asst. County Agent
TO ALL LEE COUNTY FARMERS:

The attention of all concerned is called to the fact that application for cotton seed certification must be filed on or before July 1st, 1948. Application blanks may be secured from our office or from the South Carolina Crop Improvement Association at Clemson. Those farmers who planted seed directly from the grower or blue tag certified seed are eligible to have their crop certified, provided their fields meet the required standards.

The Pee Dee Experiment Station at Florence reports that the general boll weevil outlook (emergence) is more than average but somewhat lower than 1947.

SUGGESTED COTTON INSECT CONTROL SCHEDULES

<table>
<thead>
<tr>
<th>App.</th>
<th>Poison</th>
<th>Time of Application</th>
<th>Lbs. per acre</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3% G BHC-5% DDT-40% sulfur</td>
<td>When 10% squares punctured</td>
<td>5-5</td>
<td>Thorough coverage necessary, drift will not control insects</td>
</tr>
<tr>
<td>2</td>
<td>Same</td>
<td>5 days later</td>
<td>3-10</td>
<td>Check infestation after 3rd appl. necessary</td>
</tr>
<tr>
<td>3</td>
<td>Same</td>
<td>5 days after 2nd appl.</td>
<td>3-10</td>
<td>Apply only if necessary</td>
</tr>
<tr>
<td>4</td>
<td>20% chlorinated camphene with 40% sulfur</td>
<td>During migration</td>
<td>10-12</td>
<td>The chief spread comes at this time when weevils make long flights</td>
</tr>
<tr>
<td>5</td>
<td>Same</td>
<td>14 days later</td>
<td>10-12</td>
<td>Check infestation after next appl. necessary</td>
</tr>
<tr>
<td>6</td>
<td>Same</td>
<td>14 days after above application</td>
<td>12-14</td>
<td>Apply only if necessary</td>
</tr>
</tbody>
</table>
### SCHEDULE NO. 11 - CHLORINATED CAMPHENE

<table>
<thead>
<tr>
<th>No.</th>
<th>POISON</th>
<th>TIME OF APPLICATION</th>
<th>1lbs. per acre</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>20% chlorinated camphene with 40% sulfur</td>
<td>When 10% squares punctured</td>
<td>16-8</td>
<td>Thorough coverage necessary. Drift will not control insects</td>
</tr>
<tr>
<td>2</td>
<td>Sano</td>
<td>5 days later</td>
<td>18-10</td>
<td>Check infestation after this dusting to see if 3rd appl. necessary</td>
</tr>
<tr>
<td>3</td>
<td>Sano</td>
<td>15 days after 2nd appl.</td>
<td>18-10</td>
<td>APPLY ONLY IF NECESSARY</td>
</tr>
<tr>
<td>4</td>
<td>Sano</td>
<td>During migration</td>
<td>10-12</td>
<td>The chief spread comes at this time when weevils make long flights</td>
</tr>
<tr>
<td>5</td>
<td>Sano</td>
<td>14 days later</td>
<td>10-12</td>
<td>Check infestation after this dusting to see if next appl. necessary</td>
</tr>
<tr>
<td>6</td>
<td>Sano</td>
<td>14 days after above appl.</td>
<td>12-14</td>
<td>APPLY ONLY IF NECESSARY</td>
</tr>
</tbody>
</table>

### WARNINGS

1. BHC is not recommended where any root crop such as potatoes, turnips, peanuts, etc., are to follow within two years.
2. Do not apply dust without mechanical duster.
3. Use dust respirator.
4. Do not use more poison than recommended.
5. Do not allow dust to drift onto vegetables, tobacco or feed for livestock.

The new cotton blight known as *Aecoclyta Blylt*, Sarashin and root lice, which are now scattered fairly well over the county, are more severe during cold weather, and when warm weather and good growing conditions return, the same need not be feared. However, the affected cotton should be cultivated in practical to allow the soil to warm up and dry out more rapidly.

_F. J. Linder_  
Assistant County Agent

_H. L. Bryant_  
County Agent
TO ALL LEE COUNTY FARMERS

We have tried to mark out a year-round grazing calendar that will fit your farm. One or more of these recommendations will do well on any farm in Lee County. Keep this information for further reference and come to see us if you would like to have further information on pastures.

Did you know that you can get more for your cotton through the Government loan than you can on the market? And that all gins in the county can give you free marketing and sampling service just FOR THE ASKING?

Why gamble with your cotton? Use your classification service and know what you are doing!

Very truly yours,

W. L. Bryant
County Agent

V. F. Linder
Assistant County Agent
Bishopville, South Carolina  
August 23, 1948

SUGGESTED LEE COUNTY GRAZING CALENDAR

We think that a 12 month grazing program is essential in any successful livestock program. Therefore, we are endeavoring to make recommendations that are practical and usable on a small farm where one cow is kept or on a large farm where hundreds of cattle are to be fed. These recommendations to you have the approval of Clemson College and agricultural workers of Lee County. You can get additional help and information by contacting Agricultural Teachers, County Agents, Soil Conservation Technicians, and Veterans' Teachers. Any of the above mentioned will be in position to give you what we consider the best in grazing today and when something better comes, you will be advised.

In making these recommendations, we have only included crops and combinations of crops that will make economic growth in this section and also produce seed for future plantings. We are of the opinion that if grazing crops do the most good to the largest number of farmers, the large majority of the seed must be grown on the farm.

We have marked out several crop combinations, any of which should be satisfactory, and you should be the judge as to which will fit in your farm program.

In discussing these various crops and practices, considerable amount of time and thought has been spent to give you practically year round grazing recommendations. Study these suggestions and fit them to the best advantage on your farm.

PASTURE FERTILIZATION:

Ample fertilization is basic to good pasture program. Spend your first money for fertilizer, in the form of lime, basic slag, superphosphate and complete fertilizer, and be sure that the fertilizer is there before money is spent for high priced seed. We realize some may think our fertilizer recommendation is too high for pastures, but fertility is essential in growing pasture grasses and legumes as much so as your field crops.

PERENNIAL PASTURES:

Permanent pastures are basic in any livestock program and the rest of the grazing program should fit in to supplement the permanent pasture when it cannot afford ample succulent grasses and legumes. Pastures should be fertilized and lined and treated as one of the most important crops on the farm. The permanent pastures should include a mixture of at least 3 of the following: Bermuda Grass, Dallas Grass, Desperado, White Dutch Clover, Ladino Clover and Hop Clover. Other desirable grasses and legumes will come in where the pasture land is properly fertilized and lined.

OLD PASTURES:

Many old established pastures have a good sod of bermuda and you want to add some of the other plants. We suggest that you disk the sod shallow in the early fall, thoroughly pulverizing 2 inches of the surface soil, then fertilize and seed according to pasture seeding recommendations.
If a new pasture is to be established, prepare a good seed bed, fertilize and line. Firm the seed bed by using a smoothing harrow and cultivator or smoothing harrow and drag. Seed and fertilize according to pasture recommendations.

FERTILIZER AND SEEDING:

Unless you are willing to put down plenty of fertilizer and enough seed to completely cover the land surface with plants, don't plant supplemental grazing. Fertilizer is essential for maximum growth, and a large number of plants per acre is essential to keep cattle from bogging down in the soil.

SEED BED PREPARATION:

Too little attention has been given to seed bed preparation in the past. The land should be disked several weeks before seeding date and kept fallowed, allowing the land to become free from weeds and making the moisture condition favorable for germination. Be sure to pack land after seeding. Spend more time and effort in making good seed beds and less money for high priced seed.

INOCULATION:

Be sure to inoculate all clover seed planted using 3 to 5 times the amount recommended by the manufacturer. Be sure to sow the seed late in the afternoon or during a cloudy day. If the seed can be mixed with nature better results are expected.

GRASS GRAIN:

There are plenty of oats and wheat and some barley on most farms in the county. Therefore, there is no excuse for the cow not having green winter grazing. Oats and wheat or oats and barley or either alone makes an excellent grazing patch. Better still is a mixture of grain and crimson clover where the soil has been well limed.

RYE GRASS:

Rye grass alone or in a mixture of crimson clover is one of the best winter and spring grazing crops. However, rye grass is a little slow to get started in the fall, but a field in rye grass and a field in small grain make a good combination. Of course, it is better to have clover in all the grazing mixtures. Rye grass is also a good producer of seed if livestock are taken off by April 1st.

CRIMSON CLOVER:

Crimson clover should be seeded with rye grass or small grain. (Utica Strain is best.)

LADINO CLOVER:

One of the best for grazing alone or in a mixture of grasses. It does best in bottom lands or good heavy fertile soils that have been thoroughly limed. This clover should fit about 20% of the farms in Lee County. It is a perennial plant and once established, your seeding troubles are over.

SUBTERRANEAN CLOVER:

Sub clover has shown promising results in some sections of the state on upland soil.
If you would like to try some on poorer well drained soils, plant a mixture of 7 lbs. clover and 9 lbs. fescue. You may like it.

FESCUE:

This perennial grass hasn't been introduced in this section very long, but will probably mean a lot toward cattle raising because of its long grazing period (10-11 months), ability to survive in most weather conditions, grow on most all soil types, vigorous growth and high seed yielding ability. Don't expect too much grazing the first year. Plant Kentucky 31 or Lita.

LUPIN DEZ:

An annual legume that has meant a lot to this county because of its qualities as a soil builder, seed crop, hay crop and grazing crop. You can find it on most farms in the county now.

PEAM KILLET:

An excellent grazing crop for summer use and should be included in every grazing program where ample permanent pastures are not available.

SUGAR SUDAN:

One of the best summer grazing crops if treated right.

KUNGU:

Once established is considered an excellent grazing crop and soil conservation crop.

SINCE:

An excellent soil builder and seed crop. However, for hay and grazing, it is considered as an emergency crop.

L.H.L. GRASS:

This perennial grass promises to be a good grazing crop. It does well on lowlands and fairly good on upland pastures. The seeding rate is 10 lbs. per acre and land preparation and fertilizer rates are the same as the permanent pasture.

By: V. L. Bryant
County Agent

V. F. Linder

V. F. Linder

[Signature]

[Signature]
Cultivate first 2 yrs.

Desirable grasses and legumes naturally come in if pasture are properly fertilized.
<table>
<thead>
<tr>
<th><strong>Lee County Grazing Calendar</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Expected Grazing Dates</strong></td>
</tr>
<tr>
<td><strong>Fertilization</strong></td>
</tr>
<tr>
<td><strong>Remarks</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Grazing</strong></th>
<th><strong>Seeding Dates</strong></th>
<th><strong>Seeding Rates Per Acre</strong></th>
<th><strong>Grazing Dates</strong></th>
<th><strong>Fertilization</strong></th>
<th><strong>Remarks</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spring</strong></td>
<td><strong>Oats and Crimson Clover</strong></td>
<td>Aug. 20-Oct. 1</td>
<td>Oats 5 to 7 bu.</td>
<td>October 1</td>
<td>600-1000 lbs. complete fertilizer and topdressing 300-500 lbs.</td>
</tr>
<tr>
<td></td>
<td><strong>Barley and Crimson Clover</strong></td>
<td>Aug. 20-Oct. 1</td>
<td>Barley 5 to 7 bu.</td>
<td>November 1</td>
<td>800-1000 lbs. complete fertilizer and topdressing 300-500 lbs.</td>
</tr>
<tr>
<td></td>
<td><strong>Crimson Clover</strong></td>
<td>Aug. 20-Oct. 1</td>
<td>Crimson Clover 20 lbs.</td>
<td>November 1</td>
<td>800-1000 lbs. complete fertilizer and topdressing 300-500 lbs.</td>
</tr>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Oats or barley alone</strong></td>
<td>Aug. 20-Oct. 1</td>
<td>Oats 4 bu. barley 4 bu.</td>
<td>November 1</td>
<td>800-1000 lbs. complete fertilizer and topdressing 300-500 lbs.</td>
</tr>
<tr>
<td></td>
<td><strong>or mixture of oats &amp; Crimson Clover</strong></td>
<td>Aug. 20-Oct. 1</td>
<td>Crimson Clover 20 lbs. wheat 1 bu.</td>
<td>November 1</td>
<td>800-1000 lbs. complete fertilizer and topdressing 300-500 lbs.</td>
</tr>
<tr>
<td><strong>Winter</strong></td>
<td><strong>Rye Grass and Clover</strong></td>
<td>Sept. 1-Oct. 1</td>
<td>Rye Grass 40 lbs.</td>
<td>March 10</td>
<td>400-600 lbs.</td>
</tr>
<tr>
<td></td>
<td><strong>Ladino Clover</strong></td>
<td>Sept. 1-Oct. 1</td>
<td>Ladino 4-6 lbs.</td>
<td>July 1</td>
<td>1 ton line every year</td>
</tr>
</tbody>
</table>

| **Summer**  | **Common, Kobe or Korean Lespedeza** | Feb. and March | 40-50 lbs. | June 15 | 500 lbs superphosphate or 100% basic slag | Good for livestock feeding. |

| **Pasture**  | **Norway Grass** | April 1 to June 1 | 40 lbs. | March 1 to June 1 | 600-1000 lbs. annually | Good for livestock feeding. |
|             | **Kudzu** | Dec. 1 to Apr. 1 | 500 crowns | June 15-Nov. 15 | 400-600 lbs. | Good for livestock feeding. |
|             | **Soja** | Mar. 20 to May 15 | 40 lbs. | October 1 | 600-1000 lbs. | Good for livestock feeding. |

<table>
<thead>
<tr>
<th><strong>Remarks</strong></th>
<th><strong>Dormant</strong></th>
<th><strong>Graze</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cropland</strong></td>
<td>Dallas</td>
<td>10 lbs.</td>
</tr>
<tr>
<td><strong>Hay</strong></td>
<td>Feb. to March</td>
<td>20 lbs.</td>
</tr>
<tr>
<td><strong>Fertilizer</strong></td>
<td>March 1 to Dec.</td>
<td>1000 lbs.</td>
</tr>
</tbody>
</table>
Mr.

Dear

If you remember in your agreement with the U. S. Department of Agriculture in feeding Irish potatoes to livestock, you were to keep a complete record of amount of hogs fed along with other feed, and as soon as the potatoes were fed up, the feeding demonstration records were to be turned in to me. So far I have not received the feeding records. I have the number of bags of potatoes allotted to you, so if you let some of your neighbors have some potatoes to feed on, you are responsible for getting those records in to my office at your earliest convenience.

Please don't wait any longer to turn the records in if you have finished feeding the potatoes.

Very truly yours,

W. L. Bryant
County Agent
Dear Farmer:

A group of Lee County cotton farmers are going on a farm tour of the Coker Pedigreed Seed Farms Thursday, September 2, 1948, to observe the work being done on new cotton varieties and diseases related to wilt, etc.

I attended a similar tour a few days ago and I think it will be worth your time to see these demonstrations.

We will leave my office at 9:00 o'clock Thursday morning, September 2, 1948, Come and bring as many farmers with you as you like.

We should be back in Bishopville by 12:00 o'clock noon.

Very truly yours,

W. L. Bryant
County Agent

V. F. Lindsay
Assistant County Agent
TO: ALL MEMBERS, LEE COUNTY AGRICULTURAL PLANNING COMMITTEE

WEDNESDAY, NOVEMBER 10, 1948 - 10:00 A.M., at the office of the County Agent, is the time of year for the annual meeting of the Lee County Agricultural Planning Committee to meet.

It is our desire to get the farm leaders in the county together with the different agricultural agencies once a year and have a discussion of farm problems of last year, and how we can best meet these and other problems in the future.

You are an important factor in the county toward developing a better agriculture. We need you to help us plan our work for next year. Come full of ideas and ready to give them to us as you see them.

Our district agents will be with us to help motivate our activities for another year and set up working sub-committees to sponsor certain phases of the Extension Program for the coming year.

Will see you then.

Very truly yours,

W. L. Bryant
County Agent

Mary Robert Spencer
Home Demonstration Agent
On the following pages will be found specimen copies of news articles issued during the year.
FARM AND HOME NEWS COLUMN
BY
W. L. BRYANT, COUNTY AGENT

FIRST COUNTY-WIDE RAT CAMPAIGN HELD

Lee County conducted it's first County-Wide Rat Campaign February 19th. More than 1200 pounds of bait was mixed and distributed to community centers where operators picked it up and applied it on their premises. It is felt that this is the beginning of a continuous campaign to keep the costly and dangerous rat under control.

This campaign was made possible by your County Extension personnel, your County Health Department, the Bishopville Vocational Agricultural Class, who so generously gave their time and energies in helping to package the poison, those individuals who helped in the distribution and the people who used the poison.

As a follow-up to determine the effects of this Campaign, it would be desirable if the users of this poison bait would let the County Agent or the County Health Officer know the results on your individual farm, home or place of business.

* * * * * * * * *

FREEZING COUNTRY SAUSAGE

Country sausage is one of the most popular meats frozen in locker plants and in home freezers. Due to its susceptibility to rancidity, sausage is possibly the most difficult of the common meats to hold in freezing storage in good condition for more than a few months. Experiments conducted at the Georgia Experiment Station for the past 3 years show that, with care, it may be held frozen for at least a year without noticeable deterioration. The following procedure is recommended:

1. CHILL THE HOG CARCASS TO 38°F, immediately after killing to arrest bacteria that cause off-flavors and putrefaction. If the weather is cold this may be done at home, but the locker plant is preferable.

2. USE TRIMMING OF LEAN MEAT FOR SAUSAGE. As it is the fat in the sausage that becomes rancid, not more than 25% fat should be included. Other things being equal the storage life of frozen sausage is in proportion to the amount of lean it contains.

3. GRIND THE MEAT COARSELY, ADD SEASONING, THEN REGRIND. SEASON AS FOLLOWS:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground meat</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Salt</td>
<td>1 1/2 lbs.</td>
</tr>
<tr>
<td>Oat flour</td>
<td>1 lb.</td>
</tr>
<tr>
<td>Red pepper</td>
<td>1/4 lb.</td>
</tr>
<tr>
<td>Black pepper</td>
<td>1 lb.</td>
</tr>
<tr>
<td>Ground sage</td>
<td>1/4 lb.</td>
</tr>
</tbody>
</table>

Completely seasoned sausage is preferred to the unseasoned after several months storage. Sage and black pepper retard rancidity, salt stimulates it and the red pepper is neutral and oat flour contains an antioxidant. Since sage gradually loses flavor during storage, it is recommended that sausage intended for freezing and storage, for more than 4 months contain more sage than if it is to be used immediately.
4. STUFF AND SMOKE SAUSAGE FOR LONG STORAGE. Stuffing and smoking sausage about doubles the time it remains fresh. Otherwise, sausage should be wrapped "skin tight" in cellophane, pilofilm, aluminum foil or other suitable material. Sausage loosely wrapped does not keep well, and storage life is longer when stored below 0 F. than above that temperature.

THE NEW COTTON BLIGHT

Complaints of cotton plants dying are being reported from all parts of the county, states W. L. Bryant, County Agent.

Numerous examinations have revealed Aschochyt a Blight Fungi (new blight), Soreshin and root lice.

The best thing you can do to help cotton affected this way is to cultivate thoroughly to allow the soil to warm up and dry out more rapidly.

Aschochyt a Blight is found mostly up in the Turkey Creek and Ashland communities. It works on the above-ground portions of the plant, causes a leaf spot, stem canker and scalded appearance, kills fairly large plants, thereby destroying a stand.

Plants affected by this disease die from the top down. It usually is more serious where cotton follows cotton. It is more severe during cold, damp weather, and when warm weather and good growing conditions return, the disease need not be feared.

The Soreshin is usually blamed, too, on cold and damp weather, but the fungus attacks the roots of the plants as evidence by cankers and shriveled stems just below soil line. Many of the affected plants recover with good growing weather.

LEE COUNTY 4-H TO HAVE SECOND FAT BARROW SHOW THIS FALL

Several 4-H Club boys in Lee County are preparing to feed out barrows and gilts for the second county fat barrow show this fall.

Plans are now to hold this show either the last week in September or the first week in October when usually the peak of the fall hog prices is reached.

For a boy to enter this show and contest he should select a minimum of three or as many more as he desires of either February or March pigs which are thrifty and have a chance of reaching the top limit of 180-240 lbs. class by the time of show.

Records of the two previous shows proved that under conditions of proper feed and management a good profit per animal was obtained. Proper feeding and management of course means the feeding of a well balanced ration with the major part of grain produced at home. Pasturage should be provided to cut down on cost. Where good feed practices were followed a profit of $10.00 or more per animal was made.

As a record for the contestant, these pigs should be weighed at starting which should be on or before the middle of June, and a record kept of ration fed and length of time on pasture. Those wishing to enter this contest may do so by contacting W. L. Bryant, County Agent, or his assistant, V. F. Lindor.
SAVE FOOD BY FREEZING

Three or four visits to the Freezer Locker Plant last week convinced me that the town folks as well as the people living in the country are really taking advantage of the Freezer Locker Plant by putting in good, tender vegetables for future use. And Folks, for good, tasty food at a low cost, you can't beat the freezing method of preserving your food.

Looking through the plant, I saw by the bushels, prepared ready for freezing: butter beans, snap beans, green peas, okra, mutton corn (cut and on the cob), squash, and other vegetables, and lots of really nice beef, pork, lamb and poultry of all kinds. Now Folks, when you get things like the above mentioned in your locker, you have good cheap food. Don't forget to take advantage of the incoming peach crop. Peaches are really good frozen any time during the year, as well as other fruits and berries.

See or contact your Agriculture Farm and Home Agents for better methods of preparation.

SALT AND MINERALS NEEDED BY LIVESTOCK

Livestock need larger amounts of salt during the summer months and while on pasture than at other times, according to W. L. Bryant, County Agent. He advises that loose salt and minerals should be made available to cattle and hogs at all times. These materials should be fed in a covered or sheltered box in order to keep out rain water. Mr. Bryant points out that where the only salt supply for cattle is in block form it is doubtful if they get enough to meet minimum requirements. He cautions farmers to guard against making a block of salt out in the hot sun the only salt supply for a herd of cattle. He says hogs, like cattle, need a plentiful supply of salt if they are to make the most economical gains. Salt and minerals fed in loose form from a mineral box will save many pounds of expensive grain feed.

He suggests that suitable mineral mixtures for both cattle and hogs can be made by mixing equal parts by weight of common salt, steamed bone meal, and ground limestone. Another suitable mixture can be made by mixing two parts by weight of steamed bone meal, two parts oyster-shell flour, and one part common salt. Either of these mixtures self-fed along with loose salt in a mineral box will supply either cattle or hogs with essential minerals for maximum health, he says.

FREE COTTON CLASSIFICATION TO FARMERS

A meeting was held in the County Agent's office Wednesday morning for the purpose of reorganizing the Lee County One Variety Cotton Improvement Association. This association is not compulsory to anybody. It's purpose is to give the farmer free classification of his cotton so that he will know the staple and grade of cotton when he wants to sell. He can see also if he is getting a good job done at the gin.

This is additional service your county ginner can give you in cooperation with the United States Department of Agriculture.

Watch this newspaper for the list of giners in the county who will be qualified to give you this free service.

If you want to know more about the classification program, come by the County Agent's office and talk it over with him.
ARMY WORM WARNING AND CONTROL

Farmers of Lee County are advised to be watchful for any signs of an army worm attack. They are reported to have caused damage in one or two instances in the county. Since these insects do such severe damage in short order, they should be controlled as soon as possible after being detected.

Toxophane (Chloronated Camphene) or 5 to 10% DDT have been used successfully in other counties. These insecticides should be applied as a dust at a rate of 15 to 30 lbs. per acre depending on the growth of the crop. BHC has been mentioned as a possible control.

***

ANNUAL GRAZING

1. Prepare Fall and Winter Grazing Now
   a. A system of annually-seeded grazing crops to extend grazing season and supplement the permanent pasture program is highly desirable.
   b. Late summer and early fall seeded crops extend grazing period through fall, winter and spring.
   c. While fast-growing grazing is desirable for beef cattle, it is essential for dairy cattle because of the stimulating effect to milk production.

   1. Beef cattle can utilize mature grazing and grasses killed by frost better than dairy cattle

2. Selection of Site
   a. Annual grazing crops should be established near barn or permanent pasture.
   b. Dairy farmer should set aside ½ acre per cow - and fence this area into two or three fields.
   c. Beef cattle farmers should provide 1 acre per cow fenced into several fields
   d. Should be located on fertile soil

3. Land Preparation
   a. Preparation of firm seedbed essential
   b. Land should be prepared during first part of August for seeding during the last part of August
   c. Amount of plowing and disk ing will depend upon amount of crop or crop residue to be worked into soil
   d. By using drag harrow after each rain - moisture is conserved - germinating weeds are destroyed and soil is worked into firm seed bed.

   1. Even when planted on firm seedbed it is necessary to use cultipacker or roller to firm ground after seeding
4. Fertilization
   a. Liming materials should be used to maintain correct soil reaction
   b. For best results use
      1. 600-8 pounds per acre of complete fertilizer at planting time
      2. Top-dress with 200-400 pounds per acre of nitrate of soda in
         fall and with same amount in early spring

5. Seeding
   a. Seeding per acre
      1. 3 bushels oats
      2. 2 bushels barley
      3. 30 pounds rye grass
      4. 20 pounds Crimson clover
   b. For lighter and sandy soils
      1. 3 bushels oats
      2. 2 bushels rye
      3. 30 pounds rye grass
      4. 20 pounds common vetch
   c. Seed above mixtures in late August, but not later than September 15.
   d. Double seeding and cross drilling with grain drill - followed
      with cultipacker is recommended.

* * * * * * * * *

AMMONIUM NITRATE AVAILABLE FOR WINTER GRAZING

Ammonium nitrate material available to all farmers in Lee County for
demonstration with pastures, forage, winter cover and grazing crops to be
applied this fall.

This material will not be counted against your allotment of nitrogen for
next year, and can be obtained through Lee County Agricultural Executive
Planning Committee which consists of W. W. Player, Chairman, James R. Bradham,
Vice-Chairman, Ed. B. Baskin, Treasurer, R. M. Prince and W. H. Shiver.

It is urgent that you get your order in at once so that it can be ordered
for immediate use. (Cash with order.)
LEE COUNTY 4-H DAIRY JUDGING TEAM WINS 6TH PLACE

Lee County and the State of South Carolina should be proud of the Lee County 4-H Dairy Judging Team which consists of Dick Heriot, Robert Prince, Laverne McCaskill, Edward McDowell and V. F. Linder, Ass't. County Agent and Coach. This team won sixth place in the National Dairy Judging Contest held in Columbus, Ohio on October 12. Every State had an opportunity of entry - one 4-H club and one FFA team in the contest. Kentucky's 4-H club team took first honors, and I, as County Agent, am especially proud of our team winning sixth place as a team, and Dick Heriot winning 8th place as an individual scorer.

******************************

SOUTH CAROLINA 4-H ACHIEVEMENT BANQUET PETES FOUR LEE COUNTY BOYS

At the annual 4-H Club Banquet held at the Jefferson Hotel in Columbia on the evening of October 22, the following 4-H Club boys of Lee County were recognized: Robert Prince, Edward McDowell, A. L. McCaskill, Jr., and Richard Heriot. All of these boys were recognized for winning the State Dairy Cattle Judging Contest and going on to win Sixth place in the United States. In addition, Edward McDowell was recognized for winning the Sweepstakes in the Cron Exhibits at the State Fair and exhibiting the Grand Champion Poland China Sow.

A. L. McCaskill, Jr. was recognized for being a district winner in the State Dairy Production Contest, he also exhibited the Grand Champion Guernsey Bull at the State Fair and 4th place Guernsey Cow in 4-H competition.

Edward, in addition to his Grand Champion Poland China Sow, had ten first placings, two second placings, and two third placings in 4-H and open competition at the State Fair.

Robert Prince was announced as the Pee Dee 4-H achievement winner and selected for Life Membership in the State Fair Association. He had previously been a State winner and was awarded the $400.00 Esso Scholarship to attend Clemson.

These four boys of Lee County have gone far in their undertakings and represent a good cross section of Rural Youth in Lee County and in the State of South Carolina. All of these boys are leaders in their own right.

******************************