

ANNUAL REPORT

COUNTY AGENT WORK

YORK
County

SOUTH CAROLINA

1947

J. D. MILLER

County Agent

J. H. EVANS

Assistant County Agent

Assistant County Agent

W. E. HARPER

Farm Labor Assistant

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina

DEC 19 1947

ANNUAL REPORT OF COUNTY AGENTS WORK

YORK COUNTY, SOUTH CAROLINA

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J. D. Miller, County Agent

James H. Evans, Assistant County Agent

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Cooperative Extension Work in Agriculture and Home Economics

Clemson Agricultural College and the

United States Department of

Agriculture Cooperating

Extension Service

D. W. Watkins, Director
Clemson, South Carolina

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SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

GENERAL ACTIVITIES

1. Days agents spent in office - - - - -	194
2. Days agents spent in field - - - - -	662
3. Days agents worked - - - - -	856
4. Miles agents traveled - - - - -	31,883
5. Farm visits - - - - -	2,108
6. Different farm visits - - - - -	1,521
7. Office calls at agents office - - - - -	1,976
8. Telephone calls at agents office - - - - -	2,054
9. Meetings held or attended - - - - -	300
10. Attendance at these meetings - - - - -	11,573
11. Number communities in which extension work was conducted - - -	30
12. Number farmers conducting demonstrations - - - - -	72
13. Number voluntary community leaders assisting with extension program - - - - -	190

PROJECT ACTIVITIES AND RESULTS

Agricultural Economics

Seven outlook meetings were held with attendance of 175 farmers. Nine complete farm records were completed. Agents cooperated with farm agencies in loaning \$269,491.95 to 429 farmers. Conducted eleven farm planning demonstrations.

Agricultural Engineering

A total of 86,902 feet of terraces constructed was reported by county terracing committee, and AAA set up 1,250,000 feet. Farm building plans furnished for 37 farm buildings. Four sweet potato curing house plans furnished and six metal and concrete block silos constructed. Seven Grade A milking barns constructed. Assistance given to 70 farmers in the care and repair of farm machinery. Four farm home plans furnished farmers.

Agronomy

Thirteen farmers conducted five-acre cotton demonstration, producing and average of 647 pounds of lint per acre. Two hundred and fifty bushels of improved cotton seed were ordered for 36 farmers. Two corn production demonstrations were conducted. One legumes for hay demonstration and two alfalfa for hay demonstrations completed. One lespedeza for seed demonstration. Three oat production demonstrations completed yielding 31 bushels per acre. Four wheat production demonstrations completed yielding 38 bushels per acre. One barley production demonstration completed.

Animal Husbandry

Placed three purebred boars, eight purebred gilts, three beef bulls and sixteen purebred beef heifers with 4-H club members and farmers of the county. Had 79 4-H pig club members in the fattening class and 18 in the brood sow class. Ten sows owned by boys in the Sears Roebuck 4-H pig club chain.

Dairying

Artificial inseminating program started in county. Placed four purebred dairy heifers with 4-H club members. Conducted two silage production demonstrations, three winter and summer grazing demonstrations. Obtained cost records on construction of two dairy barns. Assisted in construction of three cement block and metal type silos. Nine cork oak seedlings planted by 4-H club members.

Entomology and Plant Pathology

Circular letters mailed to peach growers on control of curculio, Oriental Moth, peach borer and other insects and diseases. Demonstrations in spraying peach trees with new insecticides. Two demonstrations in use of new insecticides on control of boll weevil. One demonstration in use of DDT in controlling flies at milking barn and on milk cow. Demonstrations in louse control on cattle. One hundred and six thousand parasites purchased and delivered to 45 growers.

Forestry

Total of 185,000 trees set in county in program of reforestation; one thinning demonstration on stands of timber. One Arbor Day program conducted in Bethany community and cork oak seedling was planted by 4-H Club. One farmer certified as tree farmer.

4-H Club Work

Twenty-three clubs organized with 358 members, 283 of which completed demonstration producing products with a value of 29,662.78 and realizing a profit of 11,404.88. One 4-H Club camp, one achievement day, and one rally day program. Total of thirty three boys exhibited products at York County Fair, twelve at Piedmont Interstate Fair, and ten at State Fair. One dairy judging team trained and competed in district contest winning 2nd place. The 4-H council held two meetings during the year.

Horticulture

One sweet potato production demonstration conducted with production of 100 bushels No. 1's and 100 bushels of No. 2½ per acre. Peaches shipped this year about 1,000 cars. Survey of peach growers to determine needs for labor during harvest was made by county farm labor assistant. Assistance given in determining infestation of insects and spraying peaches. Two pruning demonstrations were conducted.

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

1. County Agricultural Committee

a. How Members Are Selected: The County Agricultural Committee consists of farmers from all sections of the county so that all areas or communities will be represented. Some are large farmers and some are small farmers. Members represent all types of farming being done in this county and where possible the leaders in the various phases of agriculture were placed on the committee. The committee has cooperated in helping select additional members who are public spirited, broadminded and cooperative so that the interests of the entire county might be considered in working out an extension program that would best suit the county as a whole. The membership is made up of farmers and farm women with the exception of a few officials of other agricultural agencies.

b. (List of names of members of county agricultural committee
and executive committees follows)

MEMBERS OF COUNTY AGRICULTURAL COMMITTEE

W. B. Wilkerson	Hickory Grove
W. W. Inman	Clover
W. T. Oates	York
F. T. Buice	Rock Hill, R-3
Roy G. Williams	Rock Hill, R-4
D. D. Johnson	Clover, R-2
J. S. Rainey	Sharon
J. L. McGill	York, R-1
S. L. Faulkner	Kings Creek, R-1
E. W. Smith	Hickory Grove
W. C. Hood	Sharon, R-1
J. H. Patrick	Clover, R-2
E. P. Glasscock	Catawba
S. H. Faires	Rock Hill, R-5
W. H. Spencer	Catawba, R-1
R. M. Howell	Clover, R-3
W. D. Mintz	Rock Hill, R-4
S. L. Patterson	Rock Hill, R-5
M. B. Brissie	Rock Hill
Fred Thomas	Clover, R-3
Floyd Johnson	York
Clarence Senn	Rock Hill, R-4
B. R. Meek	Clover, R-2
R. M. Mitchell	Sharon, R-1
D. G. Lesslie	Rock Hill, R-2
Marvin Martin	York, R-4
James Love	McConnellsville
Warren Duncan	Sharon
S. S. Baird	Clover, R-2
A. A. Ashe	York
Dave Cameron	York
Charles F. Whitesides	Hickory Grove
Mrs. A. A. Collinge	Rock Hill, R-1
Mrs. M. H. Lineberger	Catawba
Mrs. J. R. Craig	Rock Hill, R-1
Mrs. Frank Craig	Rock Hill, R-2
Mrs. F. L. Baird	Clover, R-3
Mrs. E. B. Proctor	Rock Hill, R-5
Mrs. Fred Shillinglaw	Sharon
Mrs. H. L. Patterson	Fort Mill
Mrs. Fred Wilson	Fort Mill, R-1
Miss Lula Smith	York, R-1
Mrs. Alex Fewell	York, R-2
Mrs. A. H. Sturgis	Rock Hill, R-3
Mrs. K. L. Bankhead	Sharon
Mrs. E. M. Dickson	York, R-1
Mrs. Frank Strait	Rock Hill, R-5

2. Executive Committee and other Sub-committees of County Agricultural Committee.

Executive Committee

W. B. Wilkerson, Chairman	Mrs. A. A. Collinge
Warren Duncan	Mrs. A. H. Sturgis
E. W. Smith	Mrs. M. H. Lineberger
W. H. Spencer	Mrs. Fred Shillinglaw
J. S. Rainey	

Agronomy Committee

F. T. Buice, Chairman	J. H. Patrick
S. H. Faires	S. S. Baird
W. C. Hood	J. L. McGill
W. D. Mintz	R. M. Howell
James Love	S. L. Patterson
D. D. Johnston	

Animal Husbandry Committee

E. P. Glasscock, Chairman	Roy G. Williams
S. L. Faulkner	R. M. Howell
B. R. Meek	J. S. Rainey
Clarence Senn	Marvin Martin

Horticultural Committee

W. W. Inman, Chairman	Mrs. Frank Craig
W. B. Wilkerson	Mrs. Fred Shillinglaw
Fred Thomas	Mrs. E. B. Proctor

Marketing Committee

Roy G. Williams, Chairman	Mrs. J. E. Fewell
W. B. Wilkerson	Mrs. Lindsay Thomas
E. P. Glasscock	

Farm Labor Committee

W. H. Spencer	Roy G. Williams
S. L. Patterson	

Veterans Agricultural Advisory Committee

W. H. Spencer	Roy G. Williams
S. H. Faires	J. L. McGill
E. W. Smith	J. S. Rainey
S. L. Faulkner	Clarence Senn
W. D. Mintz	Mrs. Meek Dickson
Warren Duncan	Mrs. M. H. Lineberger
D. D. Johnston	

Club Work Committee

Bobby Sturgis, Representing Boys' 4-H Clubs
 Mary Ellen Clark, Club Girls
 Gill Reid, Clover; Hugh McCorkle, York; Earl Glasscock, Catawba
 Adult 4-H sponsor committee

3. Representatives elected to State Agricultural Committee

W. B. Wilkerson	Hickory Grove
Mrs. W. A. Love	McConnellsville

4. Duties and Responsibilities of County Agricultural Committee

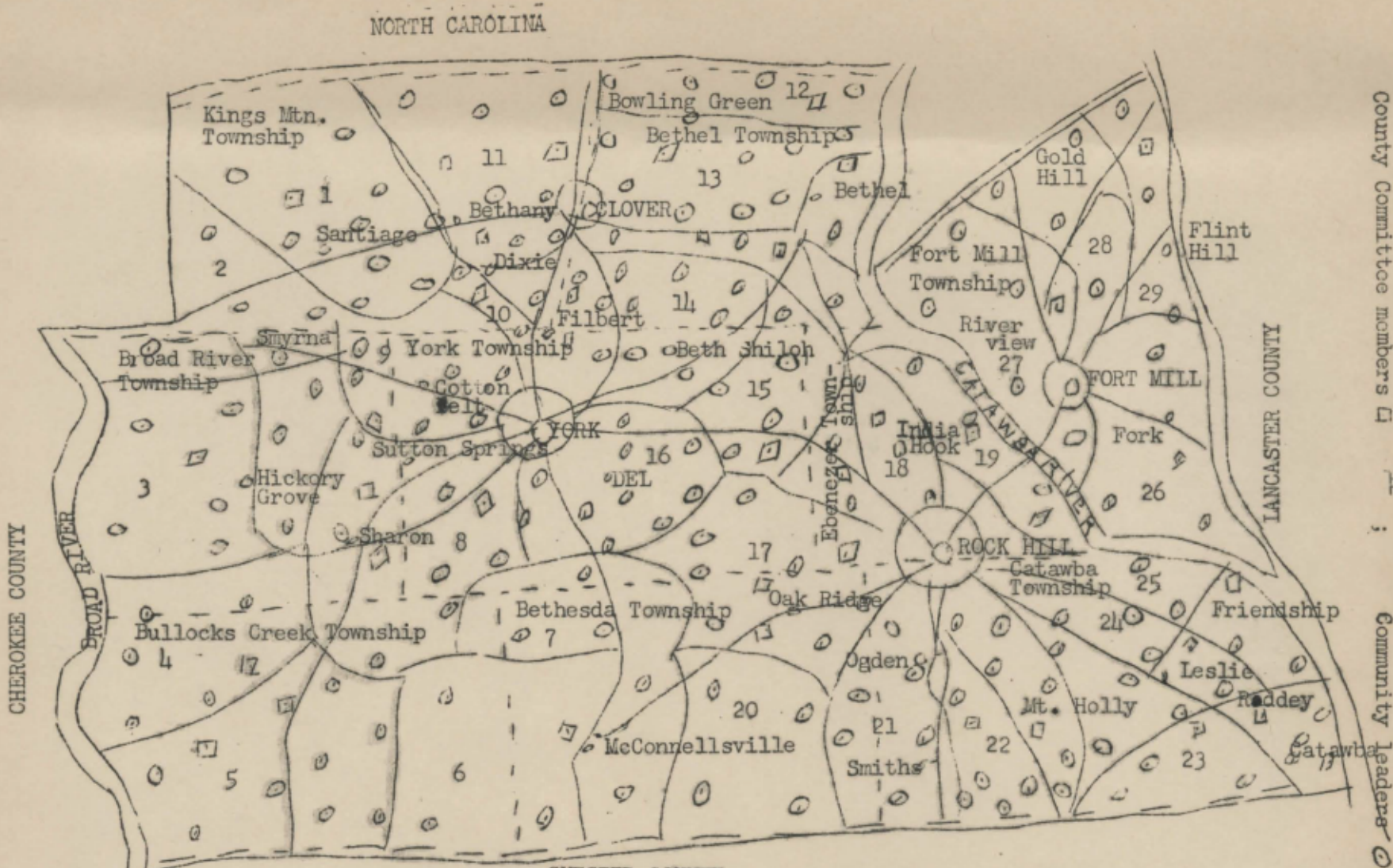
The duties of the County Agricultural Committee is to meet with the county agents and specialists of the Extension Service and study all of the available data touching upon the agricultural conditions of the county and to suggest a program of work which will best meet these conditions and work out the problems that need solution. This committee is to study the agricultural conditions of the county as a whole and make recommendations for the agricultural program which may be further modified by the people in the various communities so as to adapt it to the specific needs of these various communities. Two members of the County Agricultural Committee, the chairman and President of the County Council of Farm Women are members of the State Agricultural Committee.

5. Organized Communities.

<u>Name of Communities</u>	<u>Number Voluntary Community leaders</u>
Bullocks Creek	12
Hopewell	8
Sharon	12
Hickory Grove	8
Smyrna	6
Cotton Belt	8
Santiago, Mountain View, New Zion	11
Bethany	12
Filbert	8
Ridge	6
Bethel	16
Beth Shiloh	9
Tirzah	5
Delphia	12
Guthries	5
McConnellsville	7
Bethesda	5
Oak Ridge	12
Ogden	7
Mt. Holly	18
Catawba-Harmony	6
Friendship	6
Leslie	10
Fork	4
Gold Hill, Flint Hill, Riverview	18
India Hook	5
Newport	6

6. Outline map of York County showing location of organized communities and residences of members of county and community leaders.

County Committee members □ 12 ; Community leaders ○



1. Santiago - New Zion Mountain View
2. Smyrna
3. Hickory Grove
4. Hopewell
5. Bullocks Creek
6. McConnellsville

7. Guthries
8. Sharon
9. Cotton Belt
10. Filbert
11. Bethany
12. Ridge
13. Bethel

14. Beth Shiloh
15. Tirzah
16. Delphia
17. Oak Ridge
18. Newport
19. India Hook
20. Bethesda

21. Ogden
22. Mt. Holly
23. Catawba - Harmony
24. Leslie
25. Friendship
26. Fork
27. Riverview

28. Gold Hill
29. Flint Hill

4. Programs or campaigns handled through voluntary leaders in 1947.

1. Winter Grazing Program
2. Seeding Fall Grain
3. Controlling Peach Insects and Diseases.
4. Planting Alfalfa

1. Winter Grazing Program: With the increased price of hay and grain causing the farmers to find themselves in a very difficult position regarding feed for livestock and poultry. A campaign for seeding ample acreage of winter grazing crops was put on. A forage crop school for all county agricultural workers was held. Circular letters, newspapers, radio, and meetings were used to emphasize the need of winter grazing crops. As a result the largest acreage of winter grazing crops ever planted in this county were seeded this fall.

2. Seeding Fall Grain: The small grains are scarce and expensive, the highest price on record; therefore a campaign to get farmers to seed more acreage to small grain, especially wheat, was put on. Meetings, radio, circular letters and newspaper articles were used to urge producers to seed more small grain this fall. Continued rain this fall has practically prohibited the seeding of grain and a large acreage is expected to be seeded next spring.

3. Controlling Peach Insects and Diseases: Insects and diseases were extra bad on peaches this year; therefore a campaign to increase the control measures by producers of the county was put on. Meetings, radio, newspaper articles and circular letters were used. Satisfactory progress was made with this drive and as a result spraying and other control measures were carried on more extensively than ever before.

4. Planting Alfalfa: Since it has been demonstrated that alfalfa can be grown in this county very successfully a campaign to get more acres seeded was carried out through newspapers, articles, radio, meetings, etc. A large acreage has been seeded this fall and additional acreages will be seeded next spring. The fall weather has been adverse to seeding alfalfa this fall. Alfalfa is a crop that can be depended on to produce hay every year.

COUNTY EXTENSION ORGANIZATIONChanges in York County Extension Staff

The following listed changes have occurred in the York County extension personnel during 1947:

(1) J. D. Miller was appointed County Agent on April 16th, succeeding L. W. Johnson.

(2) Mrs. Kathleen S. Mathews was appointed as Assistant Home Demonstration Agent on September 1, succeeding Miss Ollie Horton.

Present Extension Staff

White Agents

J. D. Miller, County Agent
J. H. Evans, Assistant County Agent
W. E. Harper, Farm Labor Assistant
Miss Georgia Taylor, Home Demonstration Agent
Mrs. Kathleen S. Mathews, Assistant Home Demonstration Agent

The county agents cooperate with the negro agents in their program of work with negro farm people of the county, aiding them in developing subject matter, demonstrations and assisting them in obtaining specialist help. The agents are listed as follows:

B. T. Miller, Negro County Agent
Helen Barnwell, Negro Home Demonstration Agent

PROJECT ACTIVITIES AND RESULTS

AGRICULTURAL ECONOMICS

Agricultural economics work was conducted this year through farm planning demonstrations, farm account records, county and community outlook meetings, landlord tenant relationship, and cooperation with farm credit organizations.

Outlook Meetings: One county wide outlook meeting was held at the court house in York. The outlook was presented by Mr. L. B. Massey, District Agent, and R. J. Ferree, Extension Horticulturist.

Information on outlook was presented in the county by the farm and home agents in conjunction with other meetings scheduled.

Complete Farm Records: Complete farm account records were conducted by nine farmers in the county. A program report of one of the farm account record keepers Mr. B. R. Meek a T.V.A. farmer is given in this section of the report.

Farm Record Demonstrations

Name	Address	Size of Farm Acres	Predominant type of Farming
E. P. Glasscock	Catawba	212.5	Dairying and general farming lespedeza, livestock production
Charles Ervin	Rock Hill, R-5	158	Cotton, corn, grain, lespedeza and livestock
B. M. Sturgis	Rock Hill, R-1	86	Dairying, some general farming lespedeza
W. C. Hood	Sharon, R-1	315	General farming, beef cattle, lespedeza, seed production.
J. E. Brandon	Clover, R-2	125	Cotton, corn, lespedeza, Crimson clover, turkeys, poultry, dairy products.
Clarence Senn	Rock Hill, R-4	140	Dairy and general farming
T. P. Currence	York, R-2	69.2	Cotton, corn, small grain, milk and poultry.
D. C. Wood	York, R-2		Cotton, corn, small grain, milk, poultry.
B. R. Meek	Clover, R-2	80	Cotton, corn, small grain, milk poultry, truck crops, fruit.

Cooperation with Farm Credit Agencies: County agent cooperated with all farm credit agencies in 1947 and information on credit available was furnished all who requested it. A large number of veterans were given information concerning credit available to them. The credit facilities in this county are adequate and any farmer worthy of credit is able to borrow enough money to produce a crop or purchase a farm. Following is summary of loans made by these credit agencies in 1947.

Summary Loans Made by Credit Agencies

Agency	No. Farmers	Amount
Rock Hill Production Credit Association	147	\$162,091.95
Emergency Crop and Seed Loan	251	55,000.00
National Farm Loan Association	31	52,400.00
TOTALS	429	269,491.95

Farm Planning Demonstrations: Nine complete farm demonstrations were conducted in the county with the farms representing all the different soil types and farm practices. Some are large farms and some are small as we have many of both types represented in the county. Cropping plans drawn up for these farms were devised to produce food and feed crops for livestock and family, conservation practices, cash income, and to get efficient use of labor available on the farm by having it fully occupied all the year with the labor required distributed as evenly as possible.

A list of these farmers is given under "Complete Farm Records"

T.V.A. Farm Unit Test Demonstration: In cooperation with the extension service and the Tennessee Valley Authority, the county agent established 10 unit test-demonstration farms in York County in 1938. These farms were established to demonstrate the value of a program of land use adjustment in the interest of soil and water conservation. Crop and livestock plans were developed for each farm for a five year period. Each farmer kept a complete farm account record of his business transactions.

A summary of the acreages of permanent pastures, perennial and annual legumes together with the amounts of lime and phosphate used on these farms in 1939 is given on the following page.

Acres of Perennial Legumes, Permanent Pasture, Annual Legumes and Biennial
Legumes, and the Total Amount of Triple Superphosphate, Lime and Potash used on Unit-
Test Demonstration Farms, York County 1939

Name of Demonstrator	Perennial Legumes				Permanent Pasture				Annual Lespedeza			
	Acres:	Pounds of: Phosphate: applied	Pounds of: lime: applied	Potash applied: pounds	Acres:	Pounds of: Phosphate: applied	Pounds of: lime: applied	Potash applied: pounds	Acres:	Pounds of: Phosphate: applied	Pounds of: lime: applied	Potash applied: pounds
J. E. Brandon					4.5	999	10,000		15.6	1,388		
Chas. E. Ervin					29.7	6,593		2,227	20.0	2,427	10,000	1,235
E. P. Glasscock	19.2	4,262	47,000		27.9	6,194	55,800		12.0	2,136	24,000	
Clair Harper	5.6	1,243	11,200		10.8	2,397	21,600		34.6	4,089	69,200	
W. C. Hood	12.6	2,797	25,200		38.2	8,480	76,400		12.6	2,797	25,200	
M. D. Lever	8.0	1,776	13,800		10.0	2,220	20,000		13.2	2,053	18,400	
E. M. Ricker	15.5	3,441	15,000	1,150	21.4	4,751	72,500		3.0	399	6,000	
Floyd B. Stephenson	3.2	710	6,000		4.5	999	10,000		9.0	1,100	19,000	
B. M. Stungis	6.6	1,465	20,000		12.0	2,664	24,000		4.8	1,065	10,000	
Clarence W. Senn					18.0	3,996	60,000		15.5	3,551	30,000	
Total	70.7	15,694	138,200	1,150	177.0	39,293	350,300	2,227	150.3	20,895	211,800	1,235
Average Amount per acre		222	1,954	16		222	1,979	13		139	1,409	8
(Table Continued)												
Name of Demonstrator	Winter Legumes			Summer Legumes			Biennial Legumes					
	Acres:	Pounds of: Phosphate: applied	Pounds of lime applied	Acres:	Pounds of: Phosphate: applied	Pounds of lime applied	Acres:	Pounds of: Phosphate: applied	Potash Applied:	Pounds of lime applied		
J. E. Brandon	4.2	185										
Charlie E. Ervin	11.5	506	10,000									
E. P. Glasscock	19.0	1,691	38,000									
Clair Harper							1.6	355			3,200	
E. M. Ricker							3.6	799		360		
B. M. Sturgis				2.2	196	4,400						
Total	34.7	2,382	48,000	2.2	196	4,400	5.2	1,154		360	3,200	
Average Amount per acre		69	1,383		89	2,000		222		69	615	

PROGRESS REPORT ON THE UNIT TEST-DEMONSTRATION FARM OF B. R. MEEK
YORK COUNTY

Crop Rotation

Field Numbers	Total Acres	Rotation Underway
1 & 7	15.0	Rotation underway
1A	4.9	Truck
2	4.0	Annual grazing
3	0.2	Orchard
4	2.0	Kudzu
4A	5.0	Grain and Summer Legumes
4B & 9	5.2	Sericea
5	3.8	Grain 1 year, sericea 4 years
6 & 8	11.8	Permanent pasture

Changes That Have Taken Place in Crop Rotation and Livestock Management:

Prior to entry into the program of test-demonstration Mr. B. R. Meek grew a total of 5 acres of cotton and 10 acres of corn. He is still producing the same acreages of row crops; however he has increased the rate of seeding and fertilization on his annual grazing and hay crops thereby increasing the amount of feed produced per acre for his herd of cattle. The dairy bull was disposed of and the services of the Artificial Breeding Association is now being used.

Accomplishments: One acre of pine trees have been set in the last two years on land too poor and too badly eroded to produce other crops economically.

Tall festue has been established on pasture land to produce more feed for livestock.

Two acres of Kudzu, five acres of Sericea, twelve acres of permanent pasture, five acres of Lespedeza, four acres of annual grazing have been treated with T.V.A. phosphate and agricultural limestone.

Improvements: Electricity has been secured for farm home and farm buildings.

Future Developments: Plans are made and part of the material purchased to construct a new general barn.

Two thousand pine seedlings have been ordered to plant this winter on land not suitable for cultivation.

Acreage and Production of Specified Crops Grown
on the Unit Test Farm of B. R. Meek, 1947

Crop	<u>Grown by family & hired laborers</u>	
	<u>Acres</u>	<u>Total Production</u>
Cotton	5.0	33.46 lbs. lint
Corn	10.0	250 bu.
Sweet Potatoes	2.0	200 bu.
Tomatoes	.5	50 bu.
Apples	4.0	100 bu.
Oats (threshed)	5.0	200 bu.
Oats (hay)	6.0	3 T.
Sericea	1.0	3 T.
Kudzu	2.0	1.T. (turkeys grazed)
Garden	1.0	Home use

SUMMARY OF FARM BUSINESS FOR B. R. MEEK, 1947

	Beginning Inventory Value	Closing Inventory Value
Land	\$3,900.00	\$3,900.00
Improvements	771.00	964.56
Horses and Mules	600.00	575.00
Cattle	690.00	575.00
Hogs	36.00	120.00
Poultry	10.00	50.00
Sheep, Goats, etc.	10.00	10.00
Crop, Feeds, etc.	2,957.50	1,409.00
Machinery and Tools	634.00	843.40
Total	<u>9,608.50</u>	<u>8,446.96</u>

Farm Receipts		Farm Expenses	
Cotton and Cotton Seed	\$2,358.49	Hired Labor	\$ 253.80
Other Crops	1,174.12	Crop Expense	698.27
Cattle and Hogs	384.60	Livestock and Poultry	1,391.17
Dairy Products	567.95	Automobile	- -
Poultry and Eggs	1,335.55	Truck, Tractor, Equipment	990.91
Miscellaneous Receipts	86.65	Miscellaneous	63.03
Share Croppers Expense	- -	Share Croppers Receipts	- -
Total Cash Receipts	<u>5,907.36</u>	Total Cash Expenses	<u>3,397.18</u>
Increase in Inventory (if any)	- -	Decrease in Inventory (if any)	1,161.54
Total Receipts	<u>5,907.36</u>	Total Expenses	<u>6,440.45</u>

Receipts minus expenses	\$1,348.64
Value of unpaid family labor other than that of operator, deduct	\$ 408.00
Farm Income	\$ 940.64
Interest (4% on average of two inventories) deduct	\$ 361.11
Labor Income*	\$ 579.53

* Labor Income is what a farmer receives for his year's work above interest on his investment and all farm expenses, in addition to having a house to live in and farm products to use in the house.

A Comparison of Unit Test-Demonstration Farms of York County, 1946

Item	(1)	(2)	(3)	(4)	(5)
Labor income, dollars	<u>2447</u>	<u>883</u>	<u>2634</u>	<u>5188</u>	<u>2558</u>
Receipts, dollars	<u>11724</u>	<u>1953</u>	<u>8023</u>	<u>25838</u>	<u>9740</u>
Expenses, dollars	<u>8838</u>	<u>836</u>	<u>4851</u>	<u>18669</u>	<u>6060</u>
Farm income, dollars	<u>2886</u>	<u>1117</u>	<u>3172</u>	<u>7168</u>	<u>3410</u>
Farm income per \$100 invested, dollars	<u>26</u>	<u>19</u>	<u>24</u>	<u>14</u>	<u>16</u>
Receipts per \$100 invested, dollars	<u>107</u>	<u>33</u>	<u>60</u>	<u>52</u>	<u>44</u>
SIZE:					
Crop acres	<u>90</u>	<u>40</u>	<u>89</u>	<u>606</u>	<u>92</u>
Crop acres and open pasture	<u>95</u>	<u>56</u>	<u>66</u>	<u>690</u>	<u>132</u>
Total acres in farm	<u>216</u>	<u>75</u>	<u>159</u>	<u>1489</u>	<u>319</u>
Acres of crops	<u>106</u>	<u>56</u>	<u>124</u>	<u>929</u>	<u>103</u>
Investment	<u>10999</u>	<u>5846</u>	<u>13452</u>	<u>49515</u>	<u>213162</u>
Work animals	<u>525</u>	<u>2.0</u>	<u>425</u>	<u>12.5</u>	<u>4.0</u>
Man-work units, total	<u>1120</u>	<u>325</u>	<u>849</u>	<u>3897</u>	<u>704</u>
Animal units, productive	<u>8.8</u>	<u>10.0</u>	<u>5.2</u>	<u>50.9</u>	<u>16.5</u>
PRODUCTIVITY:					
Crop yield index	<u>144</u>	<u>125</u>	<u>129</u>	<u>145</u>	<u>178</u>
Cash crop yield index	<u>209</u>	<u>208</u>	<u>129</u>	<u>148</u>	<u>177</u>
Lint cotton per acre, pounds	<u>751</u>	<u>750</u>	<u>500</u>	<u>533</u>	<u>616</u>
Yield corn per acre, bushels	<u>20</u>	<u>30</u>	<u>20</u>	<u>51</u>	<u>30</u>
Yield oats per acre, bushels	<u>50</u>	<u>25</u>	<u>25</u>	<u>22</u>	<u>50</u>
Yield wheat per acre, bushels	<u>-</u>	<u>-</u>	<u>-</u>	<u>20</u>	<u>-</u>
Yield hay per acre, tons	<u>0.8</u>	<u>1.0</u>	<u>2.0</u>	<u>1.1</u>	<u>4</u>
Yield sweet potatoes per acre, bu.	<u>120</u>	<u>-</u>	<u>-</u>	<u>200</u>	<u>100</u>
Dairy sales per cow, dollars	<u>162</u>	<u>140</u>	<u>137</u>	<u>294</u>	<u>0</u>
Income per sow, dollars	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Egg income per hen, dollars	<u>0.88</u>	<u>1.34</u>	<u>0</u>	<u>0</u>	<u>0</u>
LABOR EFFICIENCY:					
Man-work units per man	<u>139</u>	<u>254</u>	<u>154</u>	<u>151</u>	<u>66</u>
Percent work done by sharecroppers	<u>77</u>	<u>0</u>	<u>71</u>	<u>34</u>	<u>72</u>
Horse-work units per horse	<u>81</u>	<u>78</u>	<u>92</u>	<u>131</u>	<u>56</u>
LAND EFFICIENCY:					
Percent of farm in cropland and open pasture	<u>44</u>	<u>7.5</u>	<u>66</u>	<u>426</u>	<u>41</u>
Acres of crops per cultivated acre	<u>1.18</u>	<u>1.40</u>	<u>1.28</u>	<u>1.53</u>	<u>1.12</u>
DIVERSITY:					
Percent of receipts from cotton	<u>88</u>	<u>41</u>	<u>67</u>	<u>18</u>	<u>62</u>
Percent of receipts from livestock	<u>7</u>	<u>51</u>	<u>4</u>	<u>57</u>	<u>15</u>
Acres of cropland per animal unit	<u>10.2</u>	<u>4.0</u>	<u>17.1</u>	<u>11.9</u>	<u>5.6</u>
Acres of open pasture per A. U. (cattle)	<u>0.7</u>	<u>1.8</u>	<u>3.6</u>	<u>1.9</u>	<u>2.6</u>
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:					
Milk cows	<u>5.0</u>	<u>7.0</u>	<u>3.0</u>	<u>47.5</u>	<u>2.0</u>
Other dairy cattle	<u>3.5</u>	<u>3.0</u>	<u>2.5</u>	<u>5.0</u>	<u>0</u>
Beef cows	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>10.0</u>
Other beef cattle	<u>0</u>	<u>0.5</u>	<u>0</u>	<u>0</u>	<u>12.5</u>
Brood sows	<u>0</u>	<u>1.0</u>	<u>0</u>	<u>11.5</u>	<u>0</u>
Other hogs	<u>6.5</u>	<u>1.5</u>	<u>1.0</u>	<u>14.0</u>	<u>3.0</u>
Hens	<u>91</u>	<u>53</u>	<u>50</u>	<u>195</u>	<u>64</u>
Other poultry	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

A Comparison of Unit Test-Demonstration Farms of

County, 1946

Item	()	()	()	()	()
Labor income, dollars	2260	5826	1868	3255	
Receipts, dollars	5913	33137	15817	7627	
Expenses, dollars	3313	26163	13356	3850	
Farm income, dollars	2629	6974	2461	3777	
Farm income per \$100 invested, dollars	28	24	17	29	
Receipts per \$100 invested, dollars	64	45	107	58	
SIZE:					
Crop acres	36	142	63	90	
Crop acres and open pasture	51	178	77	108	
Total acres in farm	80	222	115	140	
Acres of crops	52	229	103	98	
Investment	9231	28714	14824	13043	
Work animals	2.0	2.5	2.0	2.0	
Man-work units, total	324	2425	923	568	
Animal units, productive	9.8	74.1	32.4	15.7	
PRODUCTIVITY:					
Crop yield index	146	122	117	142	
Cash crop yield index	158	125	121	110	
Lint cotton per acre, pounds	760	450		422	
Yield corn per acre, bushels	30			30	
Yield oats per acre, bushels	50	34	35	41	
Yield wheat per acre, bushels	-	-	-	-	
Yield hay per acre, tons	1.1	-	1.5	1.7	
Yield sweet potatoes per acre, bu.	300	-	-	-	
Dairy sales per cow, dollars	178	466	621	124	
Income per sow, dollars	0	0	0	0	
Egg income per hen, dollars	0	0	0	0	
LABOR EFFICIENCY:					
Man-work units per man	154	227	147	119	
Percent work done by sharecroppers	0	0	0	55	
Horse-work units per horse	72	76	47	67	
LAND EFFICIENCY:					
Percent of farm in cropland and open pasture	64	80	67	77	
Acres of crops per cultivated acre	1.44	1.61	1.63	1.09	
DIVERSITY:					
Percent of receipts from cotton	8	8	0	33	
Percent of receipts from livestock	42	84	90	22	
Acres of cropland per animal unit	3.7	1.9	1.9	5.7	
Acres of open pasture per A. U. (cattle)	1.7	.5	0.4	1.2	
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:					
Milk cows	5.0	60.0	24.0	10.0	
Other dairy cattle	5.5	22.0	14.0	8.0	
Beef cows	0	0	0	0	
Other beef cattle	1.0	0	0	2.0	
Brood sows	0	1.5	0	0	
Other hogs	3.5	8.0	1.0	1.5	
Hens	23	60	77	30	
Other poultry	0	0	0	6	

Farm and Home Labor Saving Show

The Farm and Home Labor Saving Show for York County was put on at the Armory in Rock Hill on November 4, 1947, with an attendance of 1170 farm people and others. On display were some sixty panels, working models, photographs, and demonstrations furnished by the Extension Service. Commercial dealers displayed new and special equipment designed to save labor in the home or on the farm. Farm machinery dealers displayed their latest model tractors, ensilage harvesters, hay bailers, plows, hammer mills, etc. Farm people exhibited labor saving devices being used on their farms and in their homes.

The show was quite a success and we are still receiving requests for information in regard to equipment displayed.

AGRICULTURAL ENGINEERING

Soil Conservation

Soil Conservation work for the year was in cooperation with the Catawba Soil Conservation District, which includes York, Chester, Lancaster, and Fairfield counties. The Soil Conservation Service is cooperating with the district and one soil conservation technician is assigned to this county. Soil conservation meetings and demonstrations are planned and held in cooperation with the soil conservation technicians in the county. Four community conservation groups have been organized in the county and hold regular monthly meetings. A farm tour was held in one community and another community was carried to Greenville and Anderson counties to study soil conservation practices.

District Farm Plans: During the year 75 district farm plans have been prepared by the soil conservation service technician working the county. This brings to a total 648 farm plans in the county.

Terracing: There are six power terracing units operating in the county by the county and districts. This year 236,900 feet of terraces were constructed for 134 farmers.

Tours: During the year two soil conservation tours were conducted. One tour of 38 farmers observing soil conservation practices in other counties and one tour of community soil conservation practices where four farms were visited by 40 farmers.

Summary of Soil Conservation Work: Following is summary of some soil conservation work done in the county this year:

SOIL CONSERVATION

Extension Activities in Soil Conservation

No. group conferences Extension and SCS technicians in county	<u>10</u>
a. Attendance at these conferences	<u>35</u>
No. community meetings with Soil Conservation District work	<u>8</u>
a. Attendance at these meetings	<u>240</u>
No. field meetings	<u>6</u>
a. No. method demonstrations establishing practices	<u>3</u>
1. Attendance	<u>87</u>
b. No. meetings at demonstrations (observation)	<u>3</u>
1. Attendance	<u>90</u>
No. farms on which county agent assisted with soil conservation farm planning	<u>10</u>
Informational Material on Soil Conservation	
a. No. informational circular letters	<u>2</u>
b. No. informational news articles	<u>5</u>
c. No. bulletins (soil conservation) distributed	<u>350</u>
d. No radio programs (soil conservation)	<u>2</u>
Soil Conservation programs with 4-H Clubs	<u>41</u>
No. contestants 4-H soil conservation contest	<u>0</u>
No. demonstrations to establish farm drainage	<u>3</u>
A. No. acres drained	<u>45</u>
No. demonstrations maintenance drainage ditches	<u>3</u>
No. demonstrations establish cover of summer or winter annual or perennials for soil conservation	<u>30</u>

No. method demonstrations farmer-built terraces	<u>0</u>
a. Attendance	<u> </u>
No. method demonstrations terrace maintenance	<u>0</u>
a. Attendance	<u> </u>
No. organized communities in county for Soil Conservation	<u>4</u>
a. No. farms in these communities	<u>77</u>
<u>Soil Conservation Activities in Counties, Soil Conservation Districts, or Otherwise</u>	
No. farmers or farmer-contractors who have built terraces with farm equipment	<u>125</u>
a. No. acres terraced with this equipment	<u>3600</u>
b. No. farms on which this work was done	<u>105</u>
No. blade-type or patrol-type terracing outfits in county	<u>6</u>
a. No. acres terraced by these outfits	<u>236,900 ft.</u>
b. No. farms this work done	<u>134</u>
No. terrace planning and line running schools held	<u>0</u>
a. No. persons trained to run terrace lines	<u>3</u>
No. of district or county-owned draglines operating in county	<u>0</u>
No. draglines operated by contractors in county	<u>0</u>
a. No. miles drainage canals cut	<u>0</u>
b. Acres drained	<u>0</u>
c. Different farms affected	<u>0</u>
No. farms on which tile drainage was established	<u>0</u>
a. No. feet tile drainage established on these farms	<u>0</u>
<u>Soil Conservation District Operations</u>	
No. soil conservation district farms	<u>75</u>
a. Total acres in these farms	<u>9,786</u>
Total number soil conservation district farm plans in county	<u>648</u>
a. Total acres in these farms	<u>99,500</u>

Farm Buildings

Farm Building Plans: Farm building plans prepared by the extension agricultural engineering division were furnished to farmers for the construction of the following listed farm buildings.

Summary Farm Building Plans Furnished Farmers

Buildings	Number
Poultry Houses	5
Brooder Houses	2
Dwelling Houses	4
General Purpose Barns	1
Dairy Barns	5
Beef Cattle Barns	2
Milking Barns	6
Hog Houses	2
Sweet Potato Curing Houses	4
Silos	6
Total	37

Sweet Potato Curing Houses: Cost records were obtained on the construction of one new type sweet potato curing houses constructed according to plans furnished by the Extension Service. A summary of these records is as follows:

Summary Sweet Potato Curing House Demonstration

Name	Address	Capacity	Cost	Cost per bu. Capacity
W. B. Wilkerson	Hickory Grove	600	\$700.00	\$1.17

Dairy Barns: Following is summary of grade A milk dairy barn built this year:

Cost Records on Dairy Barns

Name	Address	Material	Size	No. Cows	Cost Cost
J. F. Love	McConnellsville	Converted barn cement block & wood	20x40	6	\$ 650.00
Tom Gather	Fort Mill	Concrete block	35x41	12	2,100.00

These barns were built to meet the requirements of the State Health Department for the sale of grade A milk.

Milk House: Following is a summary of milk house built according to plans furnished by the Extension Service.

Name	Address	Material	Cost of House	Size
Tom Gather	Fort Mill	Cement block	\$300.00	35x12

General Barns: Cost accounts were obtained on one general barn built according to plans furnished by the Extension Service. A summary of this record follows:

Cost Record on General Barn, 1947

Name	Material	Cost
Arnold Marshall	Concrete Block	\$2,000.00
Total		\$2,000.00

Silos: Cost records were obtained on two silos constructed in the county according to plans furnished by the Extension Service

Cost Record on Upright Concrete Block Silo, 1947

Name	Capacity Cubic Feet	Capacity Tons	Cost	Cost per Ton
Carl Lesslie	3,570	70	\$800.00	\$11.43
Total	3,570	70	\$800.00	\$11.43

Cost Record on Metal Upright Silos, 1947

Name	Capacity in Cubic Feet	Capacity Tons	Cost	Cost per Ton
A. A. Ashe	5,610	110	\$1,300.00	\$11.81
Total	5,610	110	\$1,300.00	\$11.81

Care and Repair of Farm Buildings: Assistance was given in converting two farm buildings to make them suitable for other purposes. Among these were two Barns a portion of which was converted to milking barns.

Rural Electrification

Construction of power lines continues to be slow due to the shortage of materials and labor. Some progress has been made and it is hard to estimate when additional lines will be completed.

Following is summary of lines in the county that were constructed by R.E.A. and Duke Power Company.

Summary of Rural Electrification Work in County

Communities	Miles of Line in County	Total Farms Electrified	Miles line Built in 1947	Farms Electrified in 1947
23	389.14	1336	143	596
<u>Duke Power Company</u>				
County	182	573	10.3	31
<u>Total</u>	<u>571</u>	<u>1909</u>	<u>1533</u>	<u>627</u>

Electrical Equipment: Electrical equipment of all descriptions are being used on the farm. Turkey and poultry growers are using electric brooders and the five dressing plants are using electrical equipment. One electrical hay drying unit is being used.

Farm Machinery

Farm machinery is in great demand with little available. Many farmers are having to make out with much less than needed. The Extension Service renders assistance in selecting the right kind of machinery and give them advice concerning adjustment, care and repair of farm machinery.

Combine Schools: Two combine schools were held immediately prior to harvesting time to give instructions on care, operation, servicing, and repair of combines. One school was held in York and the other in Rock Hill with good attendance at both.

Harvesting, Handling, and Ginning of Cotton: Newspapers, radio and personal visits were used to improve the harvesting, handling, and ginning of our cotton. The Clover Gin Company installed a new gin with drier and air conditioner and equipment to gin cotton in the burr. All gins were visited during the year in regard to bonding for taking samples in county wide one variety cotton staple improvement association.

Ditch Blasting Demonstration: Two demonstrations of ditch blasting for drainage were conducted on the farms of J. F. Love, McConnellsville, and Howell brothers at Hickory Grove. The ditches cost approximately 14¢ per foot.

Airplane poisoning: Airplane dusting and vapor fogging has been carried on in the county this year. Two airplanes that did this work were stationed at York the center of the peach industry in the county. A number of demonstrations with the use of new insecticides were conducted and assistance given in perfecting the airplane to do this type of work.

Cold Storage Plants: There is in operation in the county two cold storage locker plants with approximately 1200 locker boxes. Mr. Charles F. Whitesides of Sharon has added a cold storage plant with a capacity of 250,000 lbs. This was added to his turkey dressing plant.

AGRONOMY

Agronomy work in 1947 consisted of demonstrations and educational work with each of the major projects. Summaries and results of demonstrations are listed according to the outline in program planning.

Miscellaneous Activities

Crop and Fertilizer Meetings: One crop and fertilizer meeting was held in the county and later this information was disseminated over the county through local meetings, newspapers, and radio. Heavy application of fertilizer has been stressed and increases have been put into practice. Increased rates of seeding have been practiced extensively over the county during the year.

Lime Demonstrations: One lime demonstration on the farm of W. J. Auten, of Newport community was conducted. One thousand pounds of lime was applied to an acre of cotton in 1945.

A check was made on the limed acre and the adjoining field of cotton that has not been limed. Five hundred pounds of 4-10-6 fertilizer was used on both fields of cotton. According to check made the unlimed acre yielded 2915 pounds of seed cotton and the limed acre yielded 2,320 pounds of seed cotton or an increase of 305 pounds seed cotton per acre due to the application of 1000 pounds lime in 1945.

Farm Tours: A farm tour was held in the Hickory Grove community with the Soil Conservation Service and a large number of demonstrations were observed with an attendance of 40 farmers. A tour of farm practices in other counties was held in conjunction with the Soil Conservation Service. Greenville and Anderson counties were visited with approximately 38 farmers from the Bethel community.

Cotton

Five-Acre Cotton Improvement Demonstrations: Thirteen York County farmers completed their five-acre cotton improvement contest demonstration in 1947, and submitted records. A summary of these demonstrations follows:

Summary Results Five-Acre Cotton Improvement Demonstrations

Name	Lbs. Seed Cotton	Lbs. Lint Cot.	Value Crop	Cost Prod.	Net Profit	Lint Cost Per.Lb.	Per Cent Lint	Variety
J. J. Dunlap	8065	3226	\$1,250.07	\$377.10	\$ 872.97	11.7	40	Coker 100 W #6
J. J. Dunlap	8880	3550	1,375.85	332.80	1,043.05	9.3	40	Coker 100 W #6
W. A. Latham	6780	2712	1,051.35	467.20	584.15	17.2	40	Coker 100 W #5
P. W. Aycock	5125	2050	794.37	464.30	329.57	22.6	40	Coker 100 W #6
S. A. Sifford	7995	3195	1,238.40	370.25	868.15	11.8	40	Coker 100 W #6
Hiram Lister	8460	3345	1,296.07	334.55	961.52	10	40	Coker 100 W #6
Earl Glascock	7680	3070	1,189.85	289.85	900.00	9.5	40	Coker 100 W #7
Mrs. Elizabeth Burks	8975	3590	1,364.20	212.27	1,151.93	5.9	40	Coker 100 W #7
W. C. Blair	6340	2535	982.42	602.05	380.37	23.8	40	Coker 100 W #4
J. E. Brandon	10210	4085	1,582.82	572.55	1,010.27	14	40	Coker 100 W #4
J. H. Patrick	10185	4074	1,578.63	466.50	1,112.13	11.2	40	Coker 100 W #9
G. H. Glenn	8085	3230	1,252.07	580.85	671.22	18	40	Coker 100 W #5
Edward Smart	8450	3380	1,309.75	400.75	909.00	11.8	40	Coker 100 W
Totals	105230	42042	16,265.85	5,471.52	10,794.32			

Average Yield Lint Per Acre - 647

Average Percent Lint 40%

Average Value Per Acre - \$250.24

Average Cost Per Pound 10.7

Summary Cotton Contest Demonstration Records 1934-1947: Following is a yearly summary of the results of the five-acre cotton contest demonstrations in York County for the period 1934-1947.

Summary Results of Cotton Contest Demonstration, 1934-1947

Year	No. Dems.	Lbs. Lint Per Acre	Value Per Acre	Cost Per Acre	Profit Per Acre
1934	10	529	\$ 94.58	\$33.30	\$ 61.28
1935	15	508	78.50	30.70	47.73
1936	13	817	142.60	35.33	107.27
1937	17	682	77.77	32.18	45.58
1938	15	593	66.75	33.00	33.75
1939	15	792	91.60	37.76	53.84
1940	13	898	108.00	41.82	66.18
1941	9	589	129.04	38.59	90.44
1942	11	910	202.62	44.78	132.87
1943	14	665	190.75	53.63	137.12
1944	15	721	185.40	60.35	125.07
1945	15	896	234.02	85.99	148.03
1946	14	810	304.78	85.27	219.51
1947	13	647	250.24	84.18	166.06

The five-acre cotton improvement contest demonstrations have been largely responsible for the great improvement in the length of staple produced in York County and the increased yields of lint per acre.

Improved Seed: The campaign for cotton improvement through the use of improved planting seed was continued this year. Circular letters, newspapers, and radio were used to encourage the purchase of good seed. As a result 250 bushels of pure cotton seed were ordered from the breeder by 36 farmers.

One Variety Cotton Improvement Demonstration: The county wide one variety cotton improvement association was continued again in 1947 with approximately one half of the ginners posting bond to draw samples. Most cotton producers are selling their cotton as fast as it is ginned and therefore do not request a sample to be sent to Columbia for free classing. The price at present is well above the loan value and this also helps to cut down on the requests for grading and classing.

Corn Production

Hybrid corn is fast taking the place of standard varieties. Production of all corn was off during the year due to dry weather during the growing season. Since most farmers are beginning to rely on small grains for cattle feed the acreage of corn planted has decreased in 1947. Following is summary of corn production demonstration:

Summary Corn Production Demonstrations

Name	Acres	Yield Bushels	Bushels Per A.	Cost Prod.	Cost Per Bu.	Value Crop	Profit
Grier Lesslie	12	300	25	\$237.80	.79	\$630.00	\$392.20
Frank Carothers	3	90	30	73.55	.82	189.00	115.45
TOTALS	15	390		311.35		819.00	507.65
AVERAGES Per Acre		26		20.76		54.60	33.84

Small Grains

Oats Production: Three demonstrations in the production of oats were completed, a summary of which is given as follows:

Summary of Oats Demonstrations

Name	Variety	Acres	Yield		Cost	Per	Value	Profit
			Per Bu.	Per Bu.				
H. J. Currence	Stanton	30	1050	35	\$567.60	.54	\$1050.00	\$482.40
T. C. Jones	Victorgrain	30	600	20	508.30	.85	600.00	91.70
Hall Spencer	Victorgrain	60	2100	35	1,594.50	.81	2100.00	405.50
TOTALS		120	3750		2,770.40		3,750.00	979.60
AVERAGE PER ACRE		40		31	23.09		31.25	8.16

These demonstrations show an average yield of 31 bushels per acre. The yield was greatly reduced to adverse weather conditions during the winter and spring. The cost was .74¢ per bushel and valued at \$1.00 per bushel. These demonstrations returned a net profit of \$8.16 per acre to the grower.

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

Summary of Wheat Demonstrations

Name	Variety	Acres	Yield					Value	Profit
			Bu.	Per A.	Cost Per Prod.	C	Cost Per Bu.		
J. H. Currence	Red Heart	6	123	20.5	\$ 85.50	.69	\$ 388.25	\$ 252.75	
J. O. Horton	Red Heart	2.8	95	34	64.34	.68	137.50	73.16	
T. C. Jones	Red Heart	36	792	22	655.10	.83	1,980.00	1,324.90	
W. T. Auten	Red Heart	4	108	27	72.38	.67	270.00	197.62	
TOTALS		48.8	1,118		877.32		2,725.75	1,848.43	
AVERAGE PER ACRE				23	17.98		55.85	37.87	

The record shows that farmers conducting wheat demonstrations made an average yield of 23 bushels per acre. This wheat was produced at a cost of .78¢ per bushel, and at a value of \$2.50 per bushel, yielded an average profit of \$37.87 per acre.

Barley Production: One demonstration in barley production was completed in 1947. A summary of this demonstration follows:

Summary of Barley Demonstration

Name	Variety	Acres	Yield Bus. Per Bu.	Yield Per A.	Cost Per Bu.	Value	Profit
Land Brothers	Clemson	27	1026	38	\$402.35	.39 \$1,282.50	\$ 880.15
AVERAGE PER ACRE				38	.39	14.90	32.59

The record shows this demonstration made an average yield of 38 bushels per acre as compared with the county average of 20 bushels.

Legumes for Hay

Lespedeza for Hay Production: One demonstration of lespedeza for hay production was completed in 1947. A summary of this demonstration follows:

Summary of Demonstration of Lespedeza for Hay

Name	Variety	Acres	Yield Tons	Cost Prod.	Cost Per Ton	Value Crop	Profit
Oran Poe	Common	11	11	\$101.00	\$9.18	\$550.00	\$404.00
AVERAGE PER ACRE			1		9.18		40.82 A

Lespedeza as a hay crop in York County has increased during the past few years. Very little hay was made this year due to dry weather in the summer and continual rain in the fall when it was ready for harvest.

Alfalfa for Hay Production: Three alfalfa for hay demonstrations were completed during 1947 with excellent yields as compared to other legumes for hay. A summary of these demonstrations is given as follows:

Summary of Alfalfa Hay Demonstration

Name	Acres	Yield Tons	Cost Prod.	Cost per Ton	Value Crop	Profit
B. M. Sturgis	8	20	\$492.28	\$24.62	\$1200.00	\$ 707.62
Oran Poe	47	129	1,592.00	12.34	6450.00	3,858.00
W. L. Brown	18	45	700.36	17.78	2250.00	1,549.64
TOTALS	73	194	2,784.74		9,900.00	7,115.26
AVERAGE PER ACRE		2.6		14.30		97.47

This summary shows that an average yield of alfalfa on these demonstrations was 2.6 tons per acre produced at cost of \$14.30 per ton. Valued at \$50.00 per ton this crop yielded these farmers a profit of \$97.47 per acre.

Legumes for Seed

Lespedeza for Seed Production: One demonstration of Lespedeza for seed demonstration was completed in 1947. Harvesting of the seed was done with combine. A summary of this demonstration follows:

Summary Lespedeza Seed Demonstration

Name	Acres	Variety	Pounds Seed	Pounds Per Acre
Charlie Ervin	6	Common	900	150

Annual Grazing Crops

Annual Grazing Crops: Three annual grazing demonstrations were conducted with small grain and crimson clover. These crops furnished grazing during the winter and early spring when permanent pastures were not available and thereby replaced legume hay in the ration of cattle.

Summary of Annual Grazing Demonstration

Name	Acres	Crop	No. animal Units Grazed	Total Days Grazed	Cost
J. R. Branch	12	Oats & Barley	25	60	\$238.30
J. F. Love	6	Oats	8	60	101.70
Clarence Senn	30	Oats, Barley and Crimson Clover	60	180	482.00
Hood Brothers	9	Crimson Clover Italian Rye	25	120	122.00
TOTALS	57		118	420	944.00
AVERAGES	16		31	105	16.56

Permanent Pasture Demonstrations

The campaign for planting permanent pastures in York County in 1947 met with considerable success as the largest acreage of permanent pasture ever seeded in one year was seeded in 1947. More interest is being manifested in pastures than ever before.

A total of 25 farmers were aided in establishing 274 acres of pastures in 1947.

Four result demonstrations were conducted a summary of which follows:

Name	Acres	No. animals units grazed	Fertilizer Used	Grasses Seeded	Date Grazing Started & Ended
Hall Spencer	20	20	Phos. Lime Comp.fert.	White Clover Dallas, Rye Crimson Clover	April 1 Oct. 15
Monroe Sturgis	5		Phos. Lime Comp.fert.	Ladino Dallas	Failed due to dry weather
Charlie Ervin	32	10	Phos. Lime	Bermuda White Clover Dallas	April 1 to Sept. 31
Clarence Senn	55	60	Phos. Lime Compost	White Clover Alsike Clover Lespedeza Dallas	April 1 to Nov. 10



Annual Grazing Crop - Grain, Rye Grass and Crimson Clover
on

Ted Lewis farm, York, South Carolina

ANIMAL HUSBANDRY

Animal husbandry work in 1947 consisted of work with beef cattle and hogs. Interest in purebred beef cattle has been exceptionally good and many head of good cattle have been brought into the county during the year with the county agent assisting in purchasing some of these.

Swine

Work with swine in 1947 has been chiefly with 4-H clubsters who were encouraged to purchase good pigs for their projects wherever practical. The high cost of feed has been a limiting factor in getting pigs placed. The hogs were sold on local markets which is ample to take care of local production.

Purebred Gilts: Purebred gilts were placed with 4-H club members in 1947.

Summary Purebred Gilts Placed

Name	No. Gilts	Breed	Age	Cost
Willie Benfield	1	Berkshire	10 wks.	\$15.00
G. H. Wilkins	1	Berkshire	10 wks.	15.00
Hugh Comer	1	Berkshire	10 wks.	15.00
Willie Benfield	1	Berkshire	10 wks.	15.00
John Calhoun	1	Berkshire	10 wks.	15.00
Billy Sanders	1	Berkshire	10 wks.	15.00
George Lowry	1	Berkshire	10 wks.	15.00
Rufus Currence	1	Berkshire	10 wks.	15.00
TOTAL PLACED	8			\$120.00

Following is record of the placings of purebred gilts by years in the county since 1938:

Summary Placings of Purebred Gilts 1938-1947

Year	Number Placed
1938	10
1939	10
1940	12
1941	10
1942	12
1943	18
1944	5
1945	5
1946	7
1947	8

Purebred Sires: Following is record of purebred boars placed in county during 1947.

Name	No. boars	Breed	Age	Cost
B. M. Sturgis	1	Berkshire	6 mo.	\$75.00
George McGill	1	Berkshire	12 wks.	15.00
Ted Lewis	1	Berkshire	6 mo.	75.00
TOTAL PLACED	3			\$165.00

Beef Cattle

Production of beef cattle in the county is increasing fast with many farmers purchasing breeder stock. Following is summary of beef bulls purchased in county in 1947.

Summary Beef Bulls Placed in 1947

Name	No. Placed	Breed	Age	Price
Hood Brothers	1	Angus	6 months	\$ 75.00
T. W. Huey	1	Angus	1 year	700.00
Charles Whitesides	1	Angus	1 year	800.00
TOTAL	3			\$1,575.00

Following is record of beef heifers placed in 1947:

Summary Beef Heifers Placed in 1947

Name	No. Heifers	Breed	Age	Price
Charles Whitesides	13	Angus	6 months	\$1,950.00
Hood Brothers	3	Angus	5 months	375.00
TOTAL	16			\$2,325.00

DAIRYING

Extension work in dairying for 1947 included educational demonstration work in placing purebred heifers, Artificial Breeding Program, growing and curing quality roughage, silage production, annual grazing crops, permanent pastures, construction of dairy buildings and use of dairy equipment, marketing, and milk production.

Purebred Sires

Purebred Bulls Placed: We did not push the placing of purebred bulls due to the Artificial Breeding Program that was started in this county during the year. Following is summary of purebred bulls placed in county in 1947.

Summary Purebred Bulls Placed in 1947

Name	No. Animals	Breed	Age	Price
B. M. Sturgis	1	Guernsey	18 months	\$650.00

Purebred Heifers Placed: Following is summary of purebred heifers placed in 1947.

Summary Purebred Heifers Placed in 1947

Name	Number Animals	Breed	Age	Price
Olen Stowe, Jr.	1	Guernsey	6 months	\$125.00
Sarah Love	1	Guernsey	5 weeks	50.00
Josephine Love	1	Guernsey	5 weeks	75.00
Eugene Jackson	1	Guernsey	6 months	75.00
TOTAL	4			\$325.00

Growing and Curing Quality Roughages

Growing Hay: Demonstrations in hay production are reported under agronomy section of this report.

Silage Production

Several new silos were constructed during the year with farmers showing a new interest in silage production.

Two demonstrations were conducted with dairymen in the production of silage. A summary of these records follows:

Summary Silage Production Demonstration

Name	Crop	Acres	Yield Tons	Yield	Cost	Cost per Ton
				Tons Per. A.		
Branch Brothers	Corn & Beans	20	90	4.5	\$682.00	\$7.58
Grier Lesslie	Cane	7	55	8	224.75	4.08
TOTAL		27	145		906.75	
AVERAGES				5.4		6.24

Annual Grazing Crops

A campaign to get large acreages of annual grazing crops seeded with increased rates of seeding and fertilization met with considerable success. The largest acreage of winter grazing crops in the history of the county was seeded in the fall. Eight bushels of grain, 20 pounds of Crimson Clover and 800 pounds fertilizer per acre was generally planted per acre which amounts are about double the old rates used in the past.

Winter Grazing Demonstrations: Four winter grazing demonstrations were completed in the spring of 1947. A summary of which follows:

Summary Winter Grazing Crop Demonstrations

Name	Acres	Crops	No. animal	Days	Cost
			units grazed	Grazed	
B. R. Branch	12	Oats & Barley	25	60	\$238.30
J. F. Love	6	Oats	8	60	101.70
Clarence Senn	30	Oats, Barley			
		Crimson Clover	60	180	482.00
Hood Brothers	9	Crimson Clover			
		Rye Grass	25	120	122.00
TOTAL	57		118	420	944.00
AVERAGES	16		31	105	16.56

Permanent Pastures

Permanent pastures was stressed during the year with satisfactory results. Many dairymen are seeding old pastures and a large acreage of new pastures is being seeded this fall. New grasses and clovers such as tall fescue and Ladino clovers are being seeded by many for the first time. Fertilizers, such as superphosphate, lime and complete fertilizer are being used more extensively than ever before.

Permanent Pasture Demonstrations: Four demonstrations on permanent pastures were completed in 1947 and are reported under the agronomy section of this report.

Dairy Buildings and Equipment

The dairy specialists have cooperated closely with the county agents in educational work and the furnishing of plans for dairy barns and milk houses. Building is still limited due to scarcity of materials and the high cost of materials and labor. Results of this work is reported under the agricultural engineering section of this report.

Marketing

The marketing of milk in the county is the least of our problems as the demand greatly exceeds the supply. Milk routes cover most of the county and additional territory is being added to the routes as supply of milk increases in new area.

SALES ON MILK ROUTES IN YORK COUNTY 1946 -1947

MONTH	Sales Sharon Route	Average Number Patrons	Pounds Milk Sold	Sales Ft. Mill Route	Average Number Patrons	Pounds Milks Sold	Sales Filbert Route	Average Number Patrons	Pounds Milk Sold
December	\$2986.00	71 3.22	56,728	\$1620.24	41 5.40	30,138	\$2262.14	55 4.18	47,238
January	2534.10	71 4.79	52,898	1588.24	36 4.81	33,110	1982.47	56 4.76	41,818
February	2036.67	66 4.38	46,486	1460.41	38 4.37	33,368	1352.56	48 4.33	31,118
March	2460.00	68 4.17	58,942	2132.64	40 4.17	50,986	2076.21	45 4.17	49,732
April	3378.87	78 3.80	88,856	3598.91	58 3.40	105,610	2910.00	61 3.85	75,644
May	4354.11	87 3.53	122,986	4740.50	74 3.56	133,368	3481.42	76 3.57	97,148
June	4248.25	93 3.48	121,856	4274.89	71 3.49	124,742	3412.72	70 3.50	97,300
July	4658.22	93 3.56	131,140	5034.24	71 3.56	142,162	4080.14	72 3.61	113,354
August	4142.79	89 3.69	112,156	4512.08	72 3.66	122,914	4102.22	72 3.70	110,850
September	3738.24	83 4.12	90,682	3982.19	71 4.14	96,052	3706.25	72 4.24	87,372
October	3240.81	76 4.30	75,220	3094.75	64 4.45	69,468	2972.10	67 4.45	66,642
November	2684.32	74 4.72	56,596	2028.42	56 4.92	41,266	2506.00	60 4.95	50,642
	\$40462.38	949	1,014,546	\$38,427.51	692	983,184	\$34,844.23	754	868,858

Cream Routes: The Piedmont Creamery of Rock Hill operates cream truck routes in several sections of the state and collects cream in several parts of the county. No separate record is kept of cream picked up in this county, but it is estimated that approximately 45,000 pounds of butter is produced from cream bought in this county.

Sales Dairy Cattle: Since the adjoining county of Chester holds an annual Guernsey Cattle Sale, and that being the principal breed in this county, we have not held disposal sales in York County and have entered with Chester in their sale. Service to individual farmers in placing and locating cattle has been done in a large number of cases.

Following is summary of some of the sales made in the county in 1947:

Summary Dairy Cattle Sales, 1947

Name	Number	Breed	Kind	Amount Recieved
Chester County Guernsey Cattle Sale	3	Guernsey	Cow	\$1,000.00
Chester County Guernsey Cattle Sale	1	Guernsey	Heifer	250.00
Individual Sales	4	Guernsey	Heifer	325.00
TOTAL	8			\$1,575.00

Sale of Grade Cattle: A local auction market at Rock Hill provides facilities for sale or exchange of our grade cattle.

Milk Production for Family Use:

Special emphasis was placed on the production of milk for family use through newspaper, radio, circular letters, and personal contact.

Milk Production Contest: The milk production contest for 1946 was closed out in 1947 and prizes awarded. Those donating prizes were The Bank of York \$175.00, Borden and Carnation Companies \$50.00 each.

4-H Dairy Calf Club Work

Work with the county wide dairy calf club has consisted of meetings, dairy judging team, shows at three fairs and annual banquet. Special effort is being placed on the raising of purebred dairy heifers and this organized club is the most effective means of creating interest.

Following is a summary of records submitted by 4-H calf club members:

Summary Dairy Calf Club Demonstrations (Registered)

Name	Number Animals	Receipts and Increases in Value	Expenses	Profit
Billy Feemster	1	\$154.00	\$101.50	\$ 52.50
Josephine Love	1	177.00	140.00	37.00
Ann Hope	1	224.00	176.25	47.75
Betty Hope	2	242.00	190.50	51.50
Perry McGuire	2	210.00	118.00	92.00
Jerry McGuire	1	150.00	93.00	57.00
Bobby Turner	3	603.91	427.50	176.41
Donald Rollings	1	206.50	138.00	68.50
Billy Nelson	1	106.00	107.00	1.00
Dwight Stephens	1	114.00	106.20	7.80
J. H. Williams	1	91.00	75.00	16.00
Vernon Carroll	1	116.50	101.90	14.60
Jimmie Gaskins	1	377.78	234.20	143.58
Ervin Faulkenberry	1	363.90	123.93	239.97
Lewis Sweat	1	313.55	229.90	83.65
Sammie Hopkins	1	123.10	48.44	74.66
Sarah Love	1	176.00	146.00	30.00
John Harshaw	1	325.00	252.75	72.25
Total	22	4,074.24	2,810.07	1,265.17

This summary for eighteen members shows receipts and increase in value of \$1,265.17 or an average of \$70.29 per member.

Twelve of these animals were shown at the Interstate Fair in Spartanburg, twenty-seven at the York County Fair, and eight at the State Fair in Columbia.

Artificial Insemination Association Work: The York County Artificial Insemination Association was started on May 5, 1947, with 84 members. We now have 180 members and 314 cows have been bred artificially.

ENTOMOLOGY AND PLANT PATHOLOGY

Extension work in entomology and plant pathology in 1947 consisted of work with crop diseases, crop insects, and beekeeping.

Dust Treatment of Cotton Seed: Treatment of cotton seed for planting is generally practiced over the county and former demonstrations have shown the farmers the value of treating seed.

Small Grain Disease Control: Treatment of small grains for disease control is generally practiced by farmers in the county. The value of this practice has been demonstrated previously and most farmers treat their seed. Before seeding of small grain in the fall, newspaper articles, and radio was used to call the farmers attention to seed treatment and instruction for treating was publicized by this same method.

Peach Tree Insects and Diseases: The use of new poisons required considerable time in advising peach growers as to its use and methods of application. Several demonstrations in the application of hexa-ethyl tetraphosphate and benzine hexachloride were conducted. The peach growers did a good job of spraying and as a result had as a whole clean fruit to put on the market. One hundred and six thousand parasites were released in orchards to help control the Oriental Fruit Moth.

Garden Insects & Diseases: Newspaper articles, radio, and circular letters were used to advise farmers of the control of garden insects and diseases. New poisons were used this year and farmers and city people were advised as to its use.

Insects

Boll Weevil Control: The use of new poisons, such as Benzine Hexachloride, required considerable time in furnishing information. Two method demonstrations were conducted with the use of this new poison by use of airplane for dusting. The use of 1-1-1 poison was continued by many in the county. No checks were made to determine the results. Five fields of cotton in the county were checked weekly during the season to determine infestation of weevils and per cent punctured squares. These fields were scattered over the county so that the infestation counts would be representative of the entire county. The information on infestation of these five fields was published weekly in local papers to keep the farmers informed as to the damage weevils were doing to cotton in this county.

Cattle Louse Control: Cattle lice control on both dairy cattle and beef cattle was given publicity and the louse powder mixed by the Extension Entomologist known as Pyro Louse Powder was secured and furnished anyone desiring it. The use of DDT in the control of cattle lice is becoming a general practice.

Poultry Diseases

No serious outbreaks of turkey diseases occurred during the year. Turkey diseases and control work was done by a turkey specialist for this county up until August 1 at which time he resigned and we have no one at present to take his place. A number of growers are having their flocks tested and the Extension Service Specialists have helped with this work.

FORESTRY

Extension work in forestry in 1947 consisted mainly of planting demonstrations, selective cutting and thinning demonstration, marketing pulpwood and timber, and fire prevention.

Planting Demonstrations: One planting demonstration was held during the year. York County farmers planted 185,000 pine seedlings in 1947. Following is a summary of pine seedlings planted in York County in 1947.

Summary of Loblolly Pine Seedlings Planted in 1947

Name	Kind Planted	Number
W. M. Auten	Loblolly	3,000
J. W. Anderson	"	5,000
J. C. Burge	"	5,000
J. I. Buice	"	2,000
Robert Buice	"	1,000
A. Y. Cartwright	"	5,000
Mrs. T. E. Carter	"	2,000
H. N. Clark	"	5,000
E. H. Carroll	"	5,000
Mrs. Martha Cornwell	"	5,000
F. G. Cook	"	2,000
B. B. Campbell	"	4,000
Catawba Indian Agency Office	"	10,000
F. W. Dickson	"	1,000
S. F. Drennan	"	3,000
Madison F. Estes	"	2,000
R. S. Fewell	"	1,000
E. D. Glasscock	"	5,000
J. C. Gillfillan	"	5,000
John M. Hamilton	"	5,000
Rastus B. Huskey	"	1,000
James B. Howe	"	2,000
Smith Howell	"	1,000
R. D. Howell	"	1,000
Johnson Realty Co.	"	5,000
Wilson R. Jones	"	1,000
B. R. Jones	"	1,000
William A. Love	"	2,000
W. H. Martin	"	4,000
H. M. Mill	"	2,000
Edward J. Moss	"	2,000
W. B. Moss	"	2,000
Eddy Moss	"	5,000
L. W. Morgan	"	2,000

Name	Kind Planted	Number
Mrs. Nora W. Moore	Loblolly	10,000
W. S. Moore	"	500
Will Phillips	"	2,000
J. C. Pittman	"	2,000
B. M. Pinson	"	2,000
Nicholas P. Poulos	"	5,000
John A. Potts	"	2,000
E. M. Roach	"	5,000
Tom B. Robbins	"	2,000
H. C. Robbins	"	3,000
E. M. Ramsey	"	2,000
Kitty Sandier	"	1,000
Dr. E. E. Strong	"	2,000
W. B. Smarr, Jr.	"	1,000
F. B. Stephenson	"	2,000
Henry C. Sapough	"	1,000
Samuel Starnes	"	2,000
R. L. Sherer	"	2,000
A. B. Thackston	"	5,000
C. Edgar Williams	"	2,500
Charles Whiteside	"	5,000
Mrs. Annie Mae S. Wilkerson	"	1,000
W. B. Wilkerson	"	2,000
J. W. Wilkerson	"	1,000
E. S. Wilkin	"	3,000
J. M. Watson	"	1,000
Miss Clesta Wine	"	1,000
C. Y. Workman	"	5,000
Dr. W. G. White	"	5,000
Total		185,000

Woodland Examination and Marking: Requests of this nature referred to the forestry specialists who assisted in all cases. Following is a list of the farms visited and work done.

Landowner	No. Acres Examined	No. Acres Marked	Bd. Ft. Marked
W. O. Blair	70		
Mrs. Willie Kimbrell	75		
Mrs. J. R. Miller	100	10	18,960
J. D. Hambright	50		
J. H. Shillinglaw	100		
G. E. Ferrell	86	20	17,120
T. C. Jones	70		
W. C. Hood	175		
W. L. Thomason	300		
H. O. Yerkes	30		
TOTAL	1,056	30	36,080

Cork Oak Program: There were nine cork oak seedlings planted in the county this year. This program has been followed for several years and the results are being watched with interest.

Arbor Day Program: Two Arbor Day Programs were held in the county on Arbor Day. One was held in the Bethany community sponsored by the 4-H club with 125 in attendance. A cork oak seedling was planted and a good program put on.

Fire Prevention Program: Newspapers and radio were used throughout the year to warn farmers against forest fires. The State Forestry Commission has a county ranger in this county and voluntary fire fighter crews have been organized to combat forest fires. Two fire observation towers have been erected.

Tree Farms Program: The White Oak farms owned by D. G. Leslie, R-2, Rock Hill, was certified in the South Carolina Tree farm program on December 7, 1946.

4-H Club Work: Forestry programs were conducted by all 4-H clubs during the year and motion pictures were shown on forestry work. Members attending 4-H camp were given instructions on forestry.

FOUR-H CLUB WORK

Boys 4-H club work was conducted in 22 communities in York County in 1947 with an enrollment of 358 farm boys. A local leader was in charge of each club and regular monthly meetings were held with each club.

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

Summary 4-H Club Enrollment and Completions

Name of Club	No. Members Enrolled	No. Completed Demonstrations	Percent members com- pleting demonstrations
Bethany	17	16	94
Bethel	24	18	75
Catawba	6	5	83
Church Home Orphanage	13	9	69
Clover High	31	13	42
Cotton Belt	13	8	61
Filbert	11	4	37
Hickory Grove High	9	17	100
Hickory Grove Grammar	31	32	100
Mt. Holly	27	20	74
India Hook	7	8	100
Lesslie	34	23	68
McConnellsville	17	12	70
Oak Ridge	5	4	80
Odgen	6	9	100
Riverview	26	17	65
Rock Hill High	15	11	80
Roddey	12	9	75
Santiago	5	4	80
Sharon High	7	13	100
Smyrna	7	6	86
Dairy Calf Club	36	25	70
TOTAL	358	283	79

Following is given a summary of 4-H club enrollment of boys, and yearly completions from 1940 - 1947.

Summary 4-H Club Enrollment and Completions - 1940 - 1947

Year	Enrollment	Completions	Per Cent Completions
1940	189	65	34
1941	157	63	65
1942	190	113	59.5
1943	228	119	52
1944	227	132	58
1945	230	171	74
1946	292	224	77
1947	358	277	79
TOTALS	1871	1164	62.

Summary 4-H club demonstrations: Following is summary of 4-H club demonstrations completed in 1947.

Summary Completed Demonstrations - 1947

Demonstration	No. Completed	Value Products	Cost	Profit
Corn	40	\$2,838.15	\$1,357.29	\$1,480.86
Cotton	18	4,856.77	2,005.59	2,851.18
Peanut	1	120.00	61.00	59.00
Poultry	58	5,740.49	3,620.33	2,120.16
Hog- Breeding	18	2,199.33	1,663.86	535.47
Pig- Fattening	79	5,233.25	3,638.94	1,594.31
Beef Cattle	9	698.10	479.55	218.55
Dairy Calf	52	7,025.74	4,886.64	2,139.10
Sweet Potato	4	679.25	373.90	305.35
Garden	4	271.70	170.80	100.90
TOTALS	283	29,662.78	18,257.90	11,404.88

This summary shows that 4-H club boys completed 283 demonstrations, with a total value of \$29,662.78 at a cost of \$18,257.90 leaving a profit of \$11,404.80.

Summary 4-H Corn Records

Name	No. Acres	Yield Bushels	Total Value	Total Cost	Profit
Jimmie Goforth	1	27	74.25	18.85	55.40
Wayne Harris	1	22	48.00	17.70	30.30
Billy Craig	1	26	52.00	19.30	32.70
Wayne Craig	1	23	46.00	20.05	25.95
George Starnes	1	12	24.00	17.60	6.40
Carl Ramsey	1	25	50.00	33.50	16.50
Buster Jackson	1	25	30.00	16.30	13.70
Jimmie Glenn	1	30	32.00	19.50	12.50
Glenn Beattie	1	25	50.00	20.15	29.85
Eugene Crawford	1	25	50.00	16.30	33.70
Joe Burns	1	30	60.00	35.80	24.20
Joe Elmore	1	32	64.00	48.00	16.00
Jack Little	1	29	58.00	41.60	16.40
Clyde Huffstettler	2	25	70.50	65.00	4.50 loss
Jimmie Glenn	1	22	44.00	25.30	18.70
Ernest Foster	1	34	71.40	20.05	51.35
Dean Biddix	1	30	63.00	31.44	31.56
Sonny Small	1	35	73.50	18.75	54.75
Eugene Shaver	1	25	52.50	20.90	31.60
Ray Gryder	1	30	60.00	18.05	41.95
Bobby Hoffman	1	37	74.00	27.30	46.70
J. F. Saxton	6	126	252.00	120.00	132.00
Roy Cain	1	37	74.00	34.10	39.90
Henry Parker	1	35	70.00	33.30	36.70
Kenneth Fridmore	1	21	42.00	31.10	10.90
Gynn Faile	1	23	46.00	29.80	16.20
Billy Hipp	1	50	105.00	48.15	56.85
Martin Smith	1	30	63.00	28.95	34.05
J. L. Boyd	1	20	42.00	33.30	8.70
Joe Burns	1	30	63.00	26.90	36.10
Grady Burgess	1	20	42.00	30.25	11.75
Sam Lathem, Jr.	1	25	52.50	47.90	4.60
Bob White	2	40	84.00	56.20	27.80
Jack Wilson	11	385	385.00	143.30	241.70
Thomas Boyd	1	30	60.00	29.40	30.60
Jimmie Nunn	1	25	50.00	31.80	18.20
Bobby Thompson	4	80	168.00	73.00	95.00
Joe Burns	1	30	63.00	26.90	36.10
Eugene Campbell	1	25	50.00	16.30	33.70
States McCarter	1	25	50.00	30.20	19.80
Totals	60	1626	2,838.15	1,357.29	1,480.86

Summary 4-H Cotton Records

Name of Member	No. Acres	# Seed Cotton	# Lint	Total Value	Total Cost	Total Profit
George Starnes	1	800	300	118.50	43.05	75.45
Richard Ford	1	785	295	122.48	49.30	73.18
J. C. Childress	1	1140	340	138.80	64.70	74.10
Billy Childress	1	990	330	119.30	81.50	37.80
Wayne Harris	1	1010	310	124.40	69.40	55.00
Robert Wilkins	1	1015	305	121.85	66.80	55.05
Odell Cody	1	1068	294	117.48	67.00	50.48
Gerald Kisler	1	1025	285	113.74	57.00	56.74
Andy McCarter	1	1200	420	151.20	54.00	97.20
Andrew Montgomery	1	964	354	132.78	53.50	79.28
Grady Burgess	1	1215	478	209.53	69.65	139.88
Jack Wilson	10	8750	3100	1246.25	539.40	706.85
Phillip Brandon	1	947	345	137.49	65.74	71.75
Jack Dunlap	1	1250	450	163.00	70.20	92.80
Billy Hollis	4	5200	2000	784.00	290.00	494.00
Darvin Dover	3	1950	2110	653.55	228.00	425.55
William Doster	1	1200	500	196.50	69.25	127.25
Charles Boyd	1	1251	525	205.92	67.10	138.82
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	32	331,760	12,741	4,856.77	2,005.59	2,851.18

Summary Dairy Calf Club Records

Name of Member	No Animals	Total Value	Total Cost-	Profit
Richard Williamson	1	75.00	46.25	28.75
Clyde Dunn	1	85.00	62.00	23.00
Jack Dunn	1	150.00	61.00	89.00
Billy Feemster	1	154.00	101.50	52.50
Sam Hudson	1	165.00	138.00	27.00
Donald Slack	1	298.00	214.50	83.50
Sammie Feemster	1	115.00	62.50	52.50
Ray Baker	1	195.00	108.25	86.75
Mason Barnett	1	156.50	93.93	62.55
Josephine Love	1	177.00	140.00	37.00
Bobbie Dill	1	50.00	37.00	13.00
Gwynn Faile	1	54.00	49.50	4.50
David Coltharp	1	110.00	81.25	28.75
C. B. Harper	1	50.00	45.50	6.50
Malcom Glenn	1	100.00	85.00	15.00
Earl Sifford, Jr.	1	75.00	60.50	14.50
Lennin Michols	1	50.00	41.50	8.50
Ann Hope	1	224.00	176.25	47.75
Betty Hope	2	242.00	190.50	51.50
Howard Steel	1	90.00	70.00	20.00
Perry McGuire	2	210.00	118.00	92.00
Jerry McGuire	1	150.00	93.00	57.00
Glenn Oats	2	150.00	115.00	35.00
Richard Stroud	1	50.00	35.00	15.00
Josephine Love	1	177.00	140.00	37.00
Bobby Hoffman	1	50.00	49.00	1.00
Eddie Crawford	1	50.00	27.85	22.15
Dean Stroud	1	80.00	64.50	15.50
James Montgomery	1	60.00	51.57	8.43
Mason Barnett	1	75.00	45.75	29.25
Daniel Wood	1	50.00	37.20	12.80
William Mercer	1	50.00	44.00	6.00
Paul Brown	1	110.00	72.50	37.50
Joe Bratton	1	65.00	62.50	2.50
Lowry Russell	1	43.00	32.00	11.00
Eddie Crawford	1	59.00	72.00	13.00 loss
Larry Sifford	1	99.00	79.00	20.00
Robert Whitesides	1	130.00	73.00	57.00
Bobbie Turner	3	603.91	427.50	176.41
Donald Rollings	1	206.50	138.00	68.50
Billy Nelson	1	106.00	107.00	1.00 loss
Dwight Stephenson	1	114.00	106.20	7.80
J. H. Williams	1	91.00	75.99	16.00
Vernon Carroll	1	116.50	101.90	14.60
Jimmie Gaskins	1	377.78	234.20	143.58
Ervin Faulkenberry	1	363.90	123.93	239.97

Summary Dairy Calf Club Records - (Continued)

Name of Member	No. Animals	Total Value	Total Cost	Profit
Lewis Sweat	1	313.55	229.90	83.65
Sammie Hopkins	1	123.10	48.44	74.66
Sarah Love	1	176.00	146.00	30.00
John Harshaw	1	325.00	252.75	72.25
TOTALS	55	7,025.74	4,886.64	2,139.10

Summary 4-H Peanut Club

Name of Member	No. Acres	No. Bu.	Total Value	Total Cost	Profit
Ben Neeland	1	30	120.00	61.00	59.00

Summary Poultry Club Records

Name	No. Chickens	Total Value	Total Cost	Profit
Coit McCarter	50	31.50	27.25	4.25
Jimmy Davidson	50	35.00	28.50	6.50
Bobby Winn	50	50.00	37.00	13.00
Bobby Hunter	50	40.40	36.00	4.40
Billy Strait	50	40.00	36.35	3.65
Dean Stroud	100	95.00	74.00	21.00
John T. Stroud	50	41.20	36.00	5.20
Billy Hood	50	50.00	31.36	18.64
Richard Meek	100	131.50	97.81	33.69
Joe Dixon	100	149.79	89.00	60.79
Leroy Boatwright	100	138.90	90.98	47.92
Glenn Dixon	100	125.25	87.00	38.25
Kenneth Johnson	100	125.20	101.10	24.10
Gene Johnson	100	129.00	101.90	27.10
Samuel Barnes	50	34.00	28.25	5.75
Paul Brown	100	92.00	61.50	30.50
Odell Cody	50	39.00	25.25	13.75
J. L. Lanier	52	31.50	23.15	8.35
Coit McCarter	49	41.00	23.70	17.30
Harold McCarter	100	70.00	32.00	38.00
Marvin Duncan	9	9.00	4.65	4.35
Alex Farrell	100	109.00	72.75	36.25
Clyde Winn	50	54.25	34.50	19.75
Fred Youngblood	100	97.00	62.50	34.50
Freddie Clark	200	240.00	159.25	80.75
Tommy Watts	200	227.00	158.50	68.50
Albert Stewart	150	75.00	50.00	25.00
Billy Wyatt	50	53.00	25.00	28.00
Donald Wyatt	75	76.00	44.50	31.50
Gene Wyatt	1000	1204.00	892.70	311.30
Jimmie Dobbins	25	37.00	31.20	5.80
Billy Sanders	50	60.00	56.00	4.00
Joe Russell	250	433.00	123.25	309.75
Joe Russell Fields	300	236.00	120.50	115.50
Burk Cullins	20	33.00	15.00	18.00
Larry Sanders	12	18.00	11.30	6.70
Roy Parker	20	29.50	10.40	19.10
Bobby Long	60	50.00	29.20	20.80
Donald Williford	20	20.00	9.90	10.10
Edward Funderburk	30	37.50	12.90	24.60
Jackie Sutton	60	75.00	26.00	49.00
Ray Funderburk	25	33.00	6.50	26.50
Kenneth Connell	50	66.00	38.00	28.00
Richard Wilks	200	185.00	93.00	92.00
Buddy Belk	100	144.00	49.00	95.00
Harry Wilks	15	19.00	8.25	10.75

Summary Poultry Club Records - (Continued)

Name	No. Chickens	Total Value	Total Cost	Profit
Jack McCoy	30	41.00	12.00	29.00
Donald Erwood	150	140.00	107.50	32.50
Webster Grayson	100	17.50	40.00	23.50 loss
Robert Cook	30	11.10	17.50	6.40
Jimmy Dubose	100	105.00	67.00	38.00
Bobbie Cannon	100	92.50	53.60	38.90
TOTALS	5361	5,740.49	3,620.33	2,120.16

Summary Pig Club Records - Breeding Class

Name of Member	No. Animals	Total Value	Total Cost	Profit
Bobby Williams	1	\$ 92.00	\$ 52.38	\$ 39.62
Donald Ghannt	1	138.00	83.00	55.00
Norman Rushing	1	57.00	23.85	33.65
Clyde Heron	1	46.00	16.20	29.80
Wylis Gordon	8	145.00	64.00	81.00
Bobby Steel	1	25.00	5.00	20.00
Billy Branch	1	65.00	52.00	13.00
Harry McSwain	1	35.00	26.00	9.00
Gary Watkins	1	71.50	57.00	14.00
Lindsay Bailes	1	50.00	37.50	12.50
Joe Nichols	1	57.50	39.50	18.00
Kenneth Johnson	1	136.00	101.50	34.50
Jack Wilson	1	75.00	43.75	31.25
Dixon Chambers	1	55.00	48.65	6.35
Steve Simpson	1	145.00	112.00	33.00
Caleb Stephenson	1	106.00	67.00	39.00
Bobby Currence	9	100.00	79.20	20.80
Carl Doster	10	150.00	105.00	45.00
TOTALS	42	2,199.33	1,663.86	535.47

Summary Pig Club Records - Fattening Class

Name of Member	No. Animals	Total Value	Total Cost	Profit
J. W. Neelands	1	\$ 40.50	\$ 34.40	\$ 6.10
Eugene Hudspeth	1	88.00	55.00	33.00
Billy Craig	1	54.00	35.68	18.32
Wylie Gordon	1	54.00	48.00	6.00
Wylie Craig	1	47.25	40.76	6.49
Alfred McDaniel	1	40.50	29.00	11.50
Dean Stroud	1	27.00	22.25	4.75
James Grem	1	54.00	44.00	10.00
Elmer Strait	1	27.00	26.00	1.00
Donald E. Craig	1	88.00	67.00	21.00
Theron Starnes	1	47.25	26.40	20.85
Dean McCarter	1	49.50	32.00	17.50
States McCarter	1	67.50	40.00	27.50
Kenneth Hullett	1	67.50	57.50	10.00
Mason Nichols	1	37.80	25.00	12.80
Paul Brown	1	87.50	66.40	21.10
Gene Alexander	1	75.00	66.00	9.00
Carson Lattimore	1	77.00	67.25	9.75
George Dickson	1	81.00	62.00	19.00
Woodrow Huskey	1	78.50	55.00	23.50
Charles Bradham	1	83.70	77.00	6.70
Robert Davidson	1	71.50	66.00	5.50
Nova Whitesides	1	67.50	60.00	7.50
Richard McFalls	1	73.60	52.50	21.10
Junior Hays	1	69.00	32.90	36.10
Jimmie Neely	1	20.70	18.40	2.30
Donald Dickson	1	14.00	1.00	13.00
Rufus Currence	1	18.00	16.95	1.05
Norman Lingerfelt	1	72.50	37.60	34.90
Woodrow Hardin	1	78.00	46.00	32.00
Edward Hardin	1	71.50	34.00	37.50
Earl Comer	1	75.40	41.50	33.90
James Huskey	1	84.00	66.25	17.75
Odell Cody	1	100.00	71.00	29.00
Tommie Crawford	1	78.00	43.00	35.00
William Morgan	1	70.20	52.50	17.70
Glenn Leaford	1	65.00	43.50	21.50
Tom Crawford	1	65.00	41.00	24.00
Brice Sullivan	2	39.00	38.00	1.00
William Weatherford	1	99.00	73.50	25.50
Caleb Stephenson	1	52.50	51.00	1.50
Billy Carter	1	122.40	114.00	8.40
Charlie Steel	1	57.75	29.50	28.25
Leo Rushing	1	57.75	25.60	32.15
Ernest Wolf	1	68.25	63.50	4.75
Ed Whisonant	1	17.00	16.00	1.00
Donald Dunlap	1	47.50	24.60	22.90

Summary Pig Club Records - Fattening Clas (continued)

Name of Member	No. Animals	Total Value	Total Cost	Profit
Billy Hoffman	1	\$ 47.50	\$ 24.60	\$ 22.90
Melvin Burris	1	31.50	21.50	10.00
Barber Westbrock	2	94.50	56.00	38.50
Jimmy Bolin	1	101.00	67.00	34.00
Bobby Dowdle	1	25.00	22.80	2.20
Freddie Clark	1	60.00	23.00	37.00
Leon Cannup	1	108.00	52.00	56.00
John Watts	1	10.00	00.00	10.00
Wylie Craig	1	70.20.	47.00	23.20
Richard Blackman	1	71.50	36.00	35.50
Harry Zinker	1	70.20	54.00	16.20
Billy Templeton	1	75.00	47.00	28.00
George Harper	1	75.00	60.00	15.00
John Montgomery	1	58.00	44.00	14.00
James Hudson	1	81.20	36.00	45.20
J. B. Shealy	1	40.25	23.60	16.65
Billy Bigham	1	39.95	35.65	2.30
Ed Connelly	1	57.50	46.75	10.75
Gene Garrison	1	26.00	22.25	3.75
Grendell Ledford	1	88.00	63.00	25.00
Tommie Watts	4	231.00	132.00	99.00
Thomas Robinson	1	68.90	47.50	21.40
Bonnie Watts	1	135.20	95.00	40.20
Paul Hucks	1	90.00	54.50	35.50
Billy Patterson	1	59.00	48.00	11.00
Wayne Harris	1	70.20	54.00	16.20
Gerald Kisler	1	68.90	45.50	23.40
W. D. Burns	1	65.00	51.90	13.10
Vernon Parrish	1	42.00	30.75	11.25
Richard Stroud	3	108.00	47.20	60.80
Louis Stog	1	62.40	54.00	8.40
Paul Lockridge	1	61.30	48.00	13.30
TOTALS	86	5,233.25	3,638.94	1,594.31

Beef Calf Club

Name of Member	No. Animals	Total Value	Total Cost	Profit
Gene Cronie	1	\$104.00	\$101.60	\$ 2.40
Kay Howe	1	65.00	44.50	20.50
Charles Falls	1	77.00	60.00	17.00
Joe Elmore	1	94.90	68.45	26.45
Gene Cronan	1	80.00	32.00	48.00
Bobby Hoffman	1	50.00	49.00	1.00
Lennin Nichols	1	31.20	12.00	19.20
Billy Boozer	1	91.00	44.00	47.00
Jerry McKenzie	1	105.00	68.00	37.00
TOTALS	9	698.10	479.55	218.55

Summary 4-H Potato Club

Name of Member	No. Acres	Yield Bushels	Total Value	Total Cost	Profit
Robert Dagnall	1	120	\$229.75	\$121.90	\$107.85
Frank Ramsey	1/10	14	27.50	16.15	11.35
Johnny Shillinglaw	1/2	46	62.00	39.35	22.65
Eugene Shaver	3	270	360.00	196.50	163.50
TOTALS	4 6/10	450	\$679.25	\$373.90	\$305.35

Garden Club

Name of Member	No. Acres	Total Value	Total Cost	Profit
Eddie McCarter	1/4	57.50	30.50	27.00
Gene Moss	3/4	96.70	47.00	49.70
Clyde Moss	3/4	67.50	63.00	4.40
Andy McCarter	2/5	50.00	30.20	19.80
TOTALS	2 3/20	271.70	170.80	100.90

4-H Club Camps

A total of 69 boys and 73 girls and 10 local leaders attended the York County 4-H Club camp held at Camp Bob Cooper the week of August 4. The camp was well organized with a very effecient staff. Judging from comments from the 4-h boys and girls the encampment was thoroughly enjoyed.

4-H Achievement Day

The York County 4-H Club Achievement and Rally Day was held at the York High School on May 19 with an attendance of 226 4-H club members, parents and local leaders. The attendance award was presented to the Catawba Club who had 100 per cent of their members present. During the exercises certificates for club demonstrations completed in 1946 were delivered to 104 4-H club boys. This meeting was held jointly with the home demonstration agents.

National 4-H Club Week

National 4-H club week was observed in York County by appropriate programs being presented in the 4-H Clubs during the week and a window display of 4-H Club members project work in the show window of the Belk store in Rock Hill.

Dairy Judging Team

A dairy judging team composed of four boys was organized who won second place at the District Judging contest in Spartanburg on July 29. The following boys composed the team: Ervin Faulkenberry, Bobbie Turner, Joe Jackson, and Lewis Sweatt.

4-H Sears Roebuck Poultry Contest

Seven hundred baby chicks furnished by Sears Roebuck & Company were placed with 74 4-H Club boys in March 1947. These chicks were grown out by the members and twelve of the pullets from each member were exhibited at the York County Fair. The following boys exhibited their pullets: Joe Dixon, Gene Johnson, Glenn Dixon, Richard Meek, Kenneth Johnson, and Leroy Boatwright. A total of \$82.00 was awarded these club members in prizes.

4-H Dairy Calf Club

The York County Dairy Calf Club had 36 members with 25 of these members showing their calves at the York County Fair. Twelve members showed at the

Piedmont Interstate Fair in Spartanburg and eleven showed showed at the State Fair. Money for prizes was given the calf club by the Clover Implement Company, Bank of York, Peoples National Bank of Rock Hill, Rock Hill National Bank, and the Rock Hill Farm Implement Company.

The Dairy Calf Club Banquet was held on November 25 at the Andrew Jackson Hotel in Rock Hill. Fifty club members, parents, and guests were present at which time prizes won at the York County Fair were awarded. Placings and prizes are given under Fair Exhibits.

Fair Exhibits

Place & Exhibit	No. members showing	No. Entries	Placings	Premium Won
Dairy Calf at Spartanburg Fair	12	12	15	\$102.50
Dairy Calf at York County Fair	25	25	77	747.00
Dairy Calf at State Fair	12	12	10	121.00
Poultry York County Fair	6	6	18	82.00
TOTAL	55	55	110	\$1,052.50

HORTICULTURE

The largest horticultural crop in York County is commercial peaches with approximately 350,000 trees. Sweet potato production has been increasing in recent years and is usually a very profitable crop. Truck is grown mostly for home use with a few farmers producing it for market especially for the early market.

Gardens

Due to the high cost of food both farm and city people were encouraged to plant gardens to help supply vegetables for home use. Newspapers, radio and circular letters were used in encouraging the planting of these crops.

Sweet Potatoes

A large acreage of sweet potatoes were planted this year with fair yields, however the wet weather this fall prevented harvesting as a large amount was damaged before harvesting could be completed.

Sweet Potato Demstrations: Following is a summary of sweet potato production demonstration:

Summary Sweet Potato Production Demonstration

Name	Acres	No. 1's	No. 2's	Culls	Returns	Cost	Profit
B. R. Meek	2	100	100	50	600	\$408.90	191.10
Total	2	100	100	50	600	408.90	191.10
AVERAGE PER ACRE		50	50	25	300	204.45	95.55

Peach Production

A large crop of peaches was harvested during 1947 with size being small because of dry weather during the growing season. This was an unusually clean crop the growers having followed the spray schedule as recommended by the Extension Service much closer than in former years. Those few growers who did not spray properly had difficulty in marketing their fruit and one or two growers were unable to ship any peaches at all. Thinning to secure to secure larger size was stressed by means of radio, newspaper, circular letters, and personal visits, and those growers who thinned properly grew larger fruit for which they received a premium when marketed.

Several demonstrations in the use of new poisons such as hexa-ethyl tetraphosphate and Benzine Hexachloride were given. Many growers used these new poisons in spraying their peaches. The apply of Hexa-ethyl Tetraphosphate by use of airplane was used extensively. This material was applied as a vapor fog. The Extension Service worked closely with the growers and airplane owners in perfecting this method of application. A large number of growers saw the curculio for the first time and learned to recognize this most harmful insect. Many demonstrations in jarring trees to determine curculio infestation were conducted.

One hundred and six thousand parasites were located and purchased by the Extension Service for 45 York County peach growers. These parasites were released in the orchards to help control the Oriental Fruit Moth.

Following is a list of growers who purchased parasites:

List of Growers Releasing Parasites in their Peach Orchards

Name	No. Parasites Released
E. L. Williams	8,000
W. T. Jenkins	400
T. V. Whitesides	1,000
Clarence Boyd	2,000
Smith Brothers	10,400
E. C. Wood	5,000
E. W. Smith	4,800
George McGill	3,000
E. G. Adams	3,000
Meek Howell	2,000
Marshall Fams	400
H. J. Cameron	2,000
J. C. Bell, Jr.	2,000
J. L. Williamson	2,000
W. R. Latham	2,000
Charles Cameron	2,000
E. C. Black	2,400
C. T. Lindsay	1,000
B. P. Williamson	2,000
W. H. Williamson	800
N. B. Dulin	2,000
Simrill Mathews	400
Sam Campbell	3,000
R. S. Hartness	2,000
W. H. Smith	4,000
R. S. Moore	1,200
E. F. Lynn	1,200
J. L. McGee & Son	1,200
Springs Farm	10,000
M. L. Smith	400
Tracy Ferguson	1,000

Name	No. Parasites Released
H. N. Clark	1,600
Dave Cameron	400
Brice Stowe	2,000
H. C. Stephenson	400
Grady Love	1,000
P. M. Aycock	4,000
W. W. Bankhead	3,200
J. S. Rainey	400
Hugh Campbell	3,200
D. D. McCarter	2,800
Bratton Land	1,200
Joe Hart	2,000
Total 45 growers	106,000

MARKETING

Extension marketing work in 1947 consisted of assistance in marketing various farm products including livestock, fruits, seeds, poultry, and dairy products.

Peach Marketing: Assistance in marketing of peaches was given by the Extension Service to peach growers of this county. Grading and packing was emphasized and many growers' packing sheds were visited and assistance given in proper size and ripeness of fruit to be shipped. Inspection of cars at shipping points by Extension Service division of marketing specialists was furnished growers. Meetings were held to impress on the growers the importance of marketing good fruit of the proper size and ripeness. This was most important in 1947 due to the large crop of Elberta peaches that went on the market at almost the same time. Those growers who grew peaches of good size and color marketed their fruit without much difficulty and received a fair price.

Marketing Sweet Potatoes: The market for sweet potatoes was good especially for those growers who graded and packed their potatoes in attractive packages. Most of them were marketed locally. Little assistance was required from the Extension Service in helping to market the 1946 crop as demand was good during the entire year of 1947. The 1947 crop of potatoes were late in being put on the market because of continued wet weather which prevented harvesting until late in November.

Marketing of Surplus Farm Products: The county agent cooperated with the farmers of the county throughout the year in marketing of surplus farm products, for which there were no regularly established local markets and in the purchase of materials and supplies in a cooperative way. A summary of this work is given as follows:

Summary Marketing Work ---1947

Products	Quantity	Bought	Sold
Hogs	11 Head	\$295.00	\$175.00
Beef Cattle	19 Head	3,900.00	
Poultry	156		221.00
Dairy Cattle	15	860.00	1,125.00
Sweet Potatoes	800		2,000.00
Fruit Crops	1,200		1,200.00
Corn (feed)	250		500.00
Corn (seed)	8	75.00	
Cotton seed	7,300 pounds	730.00	
Oats	5,000	625.50	

Summary Marketing work --1947 (continued)

Products	Quantity	Bought	Sold
Cowpeas	25	\$150.00	
Combine Milo	800 pounds	240.00	
Alfalfa (seed)	1,000 pounds	400.00	
Hay	50 tons	1,500.00	
Fescue (seed)	1,500 pounds	1,500.00	
Clover (seed)	2,000 pounds	5,800.00	
TOTALS	21,520.00	21,520.00	5,321.00

Turkey Marketing: The turkey market started rather slow but picked up later in the season. Two large up to date dressing plants located in the county handle most turkeys grown in this county and many from other counties. These plants will dress and pack the turkeys for the growers at a cost of 65¢ per bird. Most growers sell their turkeys to the dressing plants. Mr. Charles F. Whitesides of Sharon has dressed over 100,000 turkeys this year. Most of these turkeys are shipped to eastern markets. Facilities for storage of turkeys is provided by the cold storage plant in York.

Whole Milk Marketing: Milk routes in the county provides a ready market for whole milk and production has not been sufficient to supply their needs during most this year.

Beef Cattle & Hogs: A local auction market at Rock Hill furnishes a ready market for any surplus beef cattle and hogs in this county.

POULTRY

Extension work with poultry in York County consisted of demonstrations flock records, turkey demonstrations, and hatchery records for chickens and turkeys.

Demonstration Flock Records: One demonstration flock record was completed during the year. A summary of this record follows:

Summary Poultry Flock Demonstration Record

Name	Breed	Ave. No. Hens	Invest- ment	Eggs Per hen	Total Income	Feed Cost	Profit
Mrs. B. R. Mitchell	R.I.R.	55	\$295.00	95.4	\$458.46	\$398.44	\$60.02

(Table Continued)

Other Expenses	Labor Income	Labor Income per Hen
\$43.26	\$16.76	\$.31

Bloodtesting & Vaccinating Poultry: Sixteen flocks in York County are following the bloodtesting and vaccinating plan. These flock owners are complying by having their birds tested and supplying desirable hatching eggs to hatcheries.

Following is a summary of work with these flocks in 1947

Summary Flock Owners Bloodtesting - Chickens

Name	No. Birds	No. Birds Reacted	No. Birds Culled	No. Doz. Hatching Eggs Sold	Value with Premium
John R. Blair	752	-	27	3640	\$2941.50
B. N. Brown	922	1	42	810	574.00
J. E. Castle	390	2	28	766	536.20
H. N. Clark	576		26	2942	2000.00
Mrs. L. L. Dowdle	136	-		650	402.00
Eugene Hord	235		56	900	630.00
G. E. Hyatt	715	1	35	300	693.30
Raymond Hord	765		13	3400	2210.00
Mrs. C. L. Kennedy	249		1	1400	3080.00
Earle Land	203	1	12	785	649.50
B. H. Maybin	871		92	17007	10204.20
Mrs. J. H. Saye	52			600	390.00
L. M. Shear	528			400	270.00
P. R. Sherer	543		342	2230	1672.50
W. T. Steele	148	1	10	924	225.00
TOTALS	7585	6	684	36,754	26,478.20

Sears Poultry Program: Seven hundred baby chicks were placed with seven 4-H Club members in 1947 through the Sears poultry contest. This program was financed by Sears, Roebuck & Company with each 4-H Club boy returning twelve pullets in the fall to be sold at public auction, the money received to be used to continue the program another year.

Following is summary of Sears poultry chain 4-H project:

Sears Poultry Chain 4-H Project

No. Sears club members	7			Sexed chicks	
				Unsexed chicks	x
No. Chicks raised to broiler age				568	
No. broilers sold				305	
Value broilers sold and eaten				371.69	
Feed consumed lbs.			Value	354.69	
Other expenses				12.00	
Profit to 12 weeks of age				5.00	
No. pullets left at 12 weeks				212	
Value pullets at 12 weeks				318.00	
Feed consumed lbs.	5400		Value	111.50	
Other expenses - 12 weeks to 5 months					
Profit - 12 weeks to 5 months				206.50	

Sears Poultry Chain 4-H Project (continued)

No. pullets auctioned
 Total selling price
 Average price per pullet

72
107.40
1.49

Turkey Production: The production of turkeys in York County was decreased tremendously in 1947 due to cost of feed and the large carry over of birds as storage. Ninety thousand turkeys were raised in 1947 as compared to 170,000 in 1946.

The turkeys this year were grown without any serious outbreak of disease.

Following is summary of turkey flock demonstration record for 1947.

Summary Turkey Demonstration Record

Name	Poults Raised	Income	Cost	Labor Income	Labor Income per Poult
B. R. Meek	200	\$904.40	\$563.29	\$341.11	\$1.20

Bloodtesting and Vaccinating Turkeys: Three thousand, one hundred and one turkeys were bloodtested for three turkey growers by Extension Service specialists. Following is summary of turkey flock owners having birds bloodtested.

Summary Turkey Flock Owners Having Birds Tested For Laying Flocks
Hatching in 1947

Name	No. Birds	No. Birds Reacting	No. Birds Culled	No. Doz Hatching Eggs	Value with Premium
J. S. Edmunds & Sons	812	32		2008	\$8432.20
L. L. Rhyne	1233	3		7083	2040.00
Robinson Brothers	1066	68		1894	7953.75
<u>Total</u>	<u>3111</u>	<u>103</u>		<u>10,985</u>	<u>36,785.75</u>

VISUAL INSTRUCTION

Visual instruction work for 1947 consisted of the use of educational motion pictures, film strips, photographs, and charts and maps.

Educational Motion Pictures: Through the use of the motion picture projector for this county motion pictures were shown at 43 farmers' meetings and 4-H Club meetings with a combined attendance of 2192 people. The educational pictures shown were valuable in teaching agricultural practices and in increasing attendance at farmers meetings.

Film strips: Film strips were used at 24 meetings with an attendance of 2310 farm people.

Photographs: Photographs were made by extension photographers and county agent of 22 demonstrations in the county.

Chart & Maps: Charts and maps were used at 6 farmer meetings attended by 1335 farmers and others.

Summary Use of Visual Instruction Aids

Visual Aids Used	No. Meetings	Attendance
Motion pictures	43	2192
Film strips	24	2310
Charts & Maps	19	1335
TOTALS	73	5837

PUBLICITY

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

Publicity Work

Individual letters	1391
Circular Letters	30
Copies mailed	8975
Press Articles	235
Radio Talks	33
Bulletins distributed	1343
Farm tours	2
Attendance	76

PRODUCTION MARKETING ADMINISTRATION

The county agent cooperated fully with the local Production Marketing Administration in informing the farmers of the practices set up for soil building. This was done through meetings and personal contact with farmers. In setting up farm plans on farms the operators attention was called to the benefits he could receive through P.M.A. to help him carry out improved practices. The county agent met with the county committeemen and helped to set up soil building practices for this county to be recommended to the state committee for the 1948 program.

On the following pages will be found specimen copies
of circular letters issued during the year.

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

York, South Carolina
September 26, 1947

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

EXTENSION SERVICE

Don't miss it!



TO YORK COUNTY FARMERS

Let the cattle harvest their own feed. With the cost of grain and hay skyrocketing and the supply very short it is a necessity to provide grazing for feeding our dairy and beef cattle until our pastures come in next spring. It is not too late to seed small grains and legumes as a grazing mixture since our seasons have been unfavorable for seeding this fall. The recent rain has provided sufficient moisture and grazing crops seeded right away will furnish some grazing this fall and winter and good grazing in early spring.

It will be beneficial to all owners of livestock who desire to keep their cattle in good condition during the winter and early spring to seed one half acre per cow in grazing crops this fall.

Good grazing can be expected from a number of different small grains and grasses with the following having proved extra good on good land. A part of the permanent pasture may be used with satisfactory results if no other land is available. 4 bu. oats, 4 bu. barley, 20 lbs. crimson clover, and 20 lbs. rye grass. This mixture should be fertilized with 1000 lbs. complete fertilizer per acre and 200-300 lbs. nitrogen fertilizer in the spring. Usually one ton of lime per acre is sufficient. Other mixtures that have showed good results are oats, barley, and crimson clover seeded and treated the same as above or 20 lbs. crimson clover with 40 lbs. rye grass.

The above seeding and fertilization rates seem high but experience has shown that maximum grazing has been received from even higher rates of seeding and fertilization.

Goal - One half acre of winter grazing for each cow in York County.

Very truly yours,

J. H. Evans
Assistant County Agent

J. D. Miller
County Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

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

EXTENSION SERVICE

York, South Carolina
September 9, 1947

TO YORK COUNTY AGRICULTURAL WORKERS

Dear Sir:

Following up our study of annual grazing crops for this county we are holding a forage school on Friday, September 12, 1947, at 1:30 P.M.. The meeting will be held at the York High School in the agriculture class room. After a period of discussion the group will go to a farm where present practices in forage crops will be observed and a forage program set up.

A considerable amount of interest is being shown by farmers of this county in forage crop production and we are anxious to furnish them with the very latest information in regard to this subject.

We expect to have specialists from Clemson College lead various phases of the discussions which will fit in well with our annual grazing program for this county.

Very truly yours,

J. D. Miller

J. D. Miller
County Agent

JDM: w

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

York, South Carolina

November 20, 1947

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

EXTENSION SERVICE

Dear 4-H Calf Club Member:

You and your parents are cordially invited to attend our annual 4-H Calf Club banquet at the Andrew Jackson Hotel in Rock Hill on Tuesday, November 25, at 7:30 P.M.

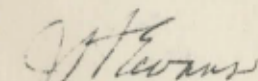
An interesting program has been arranged with Mr. A.W. Huckle, former Editor and Publisher of The Evening Herald, as the principal speaker. Prizes awarded under the Danish System of judging will be presented each club member showing his or her calf at the York County Fair this year. Your calf placed either in the Blue, Red, White, or Yellow group and you will be presented an award in the group in which your calf placed. Club members whose animals placed in the Spartanburg and State Fair will also be recognized at the banquet.

Members who did not show their calves this year are urged to attend as we are attempting to renew the spirit of the Calf Club and have the best club in the State.

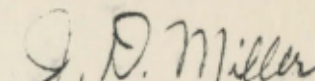
We are especially anxious for you and your parents to be with us as it will take the fullest cooperation between parents and club members to attain this goal.

The Santa Claus Parade is being held in Rock Hill at 6:30 and the banquet at 7:30 so you may attend both if you care to do so.

Very Truly Yours,


J.H. Evans

Assistant County Agent


J.D. Miller
County Agent

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

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

EXTENSION SERVICE

Don't miss it!

York, South Carolina
October 27, 1947



TO YORK COUNTY FARMERS

Dear Sir:

You are invited to attend the Farm and Home Labor Saving Show at the Armory in Rock Hill on Tuesday, November 4. The show is free and will start at 10:00 a.m. and last until 4:00 p.m.

We will have on display, panels, working models, photographs, and demonstrations as the background for farm people and commercial dealers to show what they have accomplished in the field of labor saving.

Home made labor saving equipment, devices and methods being used by York County farmers and homemakers will also be on display. If you have any labor saving devices you wish to display please contact our office or Mr. W. E. Harper, Farm Labor Assistant, at the Post Office in Rock Hill by Saturday, November 1.

Commercial dealers will display and demonstrate new or special equipment that is designed to save labor on the farm or in the home.

The show lasts all day so you are invited to come at the time that suits you best. You should be able to take in the entire show in approximately one hour.

We hope you will find it convenient to attend.

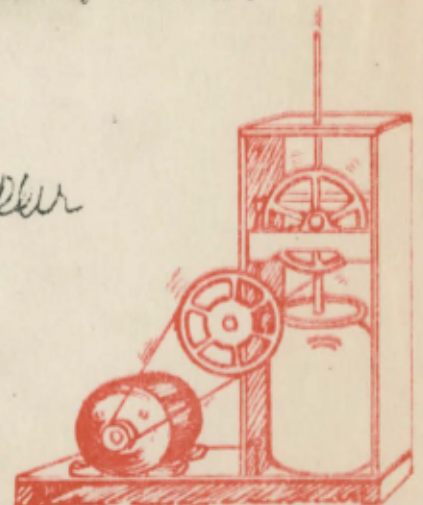
Very truly yours,



Georgia Taylor
Home Demonstration Agent

J. D. Miller
County Agent

**FARM and HOME
LABOR SAVING
SHOW**



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

Take the labor out of
churning -

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

Peach growers are urged to pick up drops to help control the curculio. Drops should be inspected every few days and the area where worms are found in drops should be picked up more often than where no worms are found. Each peach that is destroyed that contains a curculio worm is saving a lot of peaches from being wormy later on.

Growers are reminded that every precaution should be undertaken to destroy the curculio and the spray schedule should be followed in addition to picking up drops. There is no adult curculio on the peach tree at present and next spray is for the control of brown rot. Any spray for curculio at this time will be wasted and the lead or hexaethyl tetraphosphate should be saved for use after the curculio emerges from the ground. If labor to pick up drops in the entire orchard is not available, grower should determine where the infestation is the heaviest which is usually along the edge of the orchard near woods or other good hibernating places, and pick up drops in those areas.

The worm is now beginning to leave the peach and go into the ground where it completes development and will start emerging from the ground in approximately thirty or thirty-five days and then after a short period of further development start puncturing peaches which will cause worms in the fruit when it is ready to put on the market. Mr. Ferree, Extension Horticulturist, stated yesterday that hexaethyl tetraphosphate should not be applied until July first since the curculio entering the ground at present will not come out until after June 20 and for a period of three weeks following this date the curculio will be going through a state of development during which time no eggs are laid.

Remember the hexaethyl tetraphosphate is effective only for a few hours after application therefore the first spray (about July 1st) will only kill the adult curculio that are out at that time. A second application ten days to two weeks later will destroy the curculio that came out after the effectiveness of the first hexaethyl tetraphosphate spray has disappeared.

J. D. Miller
County Agent

Most every one is late with their home gardens this year. Due to the late spring and wet weather we were unable to get our gardens plowed and started on time. It is important that a home garden be put in on all farms and as many urban homes as possible should plant vegetables for home use. Home gardens help to conserve food and promotes good health. There is no better place to buy good fresh vegetables than to purchase them now for the entire summer by planting those vegetables you like most in a garden. It is not too late to make plantings of most all vegetables. Make plantings now of one variety of each of the following, if not already done:

Beans - Bountiful, Plentiful, Tendergreen, Black Valentine, Logan and Cherokee wax.

Pole Beans:- Henderson Bush Lima, or Wood's Prolific, (pole) Carolina Pole or Sieve bean.

Squash - Yellow Grookneck, Early Prolific, Straightneck, and Early White Bush.

Cucumber - Early Fortune, Stays Green, Boston Pickling.

Okra - Clemson Spineless, Perkin Long Green

Corn - Trucker's Favorite, Stowell's Evergreen, Golden Cross Bantom, Transplant tomato, sweet potato, eggplant, pepper to open field.

J. D. Miller
County Agent

FALL FRESHENED COWS GIVE MORE MILK

The demand for milk reaches a peak in the fall when schools start and vacation time is over. At this same time production of milk usually falls off due to green feed becoming scarce on the farm. The largest flow of milk from a cow is naturally during the first three or four months after freshening, therefore cows should freshen in the fall so that the heaviest flow of milk will occur during the winter months and stimulated in the spring when green grass becomes available. Records on some 12,000 cows on D.H.I.A. tests show that cows that freshen from September through December not only produce more milk but made more money than those which freshened from March through August, J. D. Miller, County Agent, stated today.

Dairymen are urged to breed their cows during the next three months so that fall freshening will be assured. The Artificial Breeding Association is available to all owners of dairy cattle in York County and service may be secured by calling telephone number 356 in York before eleven o'clock on the day the service is desired.

Mr. I. J. Foster, Technician, Artificial Breeding Association, stated that many dairymen are making an effort to have the majority of their cows bred during the next three months and that all dairymen and owners of family cows are urged to follow this same practice. Dairymen should make an effort to have approximately fifty per cent of their cows freshen during the fall months.

All owners of dairy cattle in York County regardless of whether they live in the city or rural areas are eligible to receive the services of the Artificial Breeding Association for a nominal fee.

J. D. Miller
County Agent

THE YORK COUNTY TURKEY SITUATION

Again this year, York County turkey growers will grow out a large number of turkeys. However, the number of turkeys raised will be well under the one hundred seventy thousand peak figure produced in 1946. At present, twenty-four commercial growers have seventy-one thousand poults which vary from a few days to four months of age. Some growers are now starting a second brood of poults. Allowing for poults to be started in May and June, it is quite probable that total production of turkeys in York County for 1947 will be approximately ninety thousand or fifty-three per cent of the 1946 figure. The reduction in turkey production for the United States is variously estimated to be between twenty and thirty-five per cent. Chief reasons for lowered production are high feed costs and a large storage holdover of the 1946 turkey crop.

It is quite probable that feed prices will be lower during the last six months of the year. Much of the storage holdover will move to home and foreign markets before the bulk of the 1947 turkey crop is ready for market. In view of these possibilities, the York County growers may receive a fair price for this year's crop.

In view of probable lower prices for this year's crop, it is extremely important that growers produce as much green feed as possible and that good sanitary measures be practiced so as to prevent abnormal losses from disease. An adequate grazing program will reduce feed cost up to twenty-five per cent.

H. C. Gauger

On the following pages will be found specimen copies
of radio talks made during the year.

I think a 12 month grazing program is essential in any successful livestock program. There are many advantages in growing feed and allowing the cattle to harvest it themselves. With the shortage of labor we now have on the farms this practice fits well into our program. Another advantage is the green feed that is so helpful to livestock during the winter months.

Good permanent pastures are basic in any livestock program and the other grazing should be added to permanent pasture to afford ample succulent grasses and legumes when the pasture does not afford ample grazing. In order to have a good pasture it is necessary to use fertilizer and lime and treat the pasture as one of the most important crops on the farm. It is unwise to use our poorest land for pasture in a livestock program. Good fertile land properly treated will return more in a livestock program than most any other crop. A permanent pasture mixture should include Bermuda Grass, Dallas Grass, lespedeza, and ladino, or White Dutch Clover. When fertilized and limed properly other grasses and legumes will come in.

Many old established pastures have a good sod of Bermuda, and you should add some of the other grasses and legumes. My suggestion is to disk the sod shallow in the early fall, thoroughly pulverize 2 inches of the surface soil, then fertilize and seed according to pasture seeding recommendations.

In establishing a new pasture prepare a good seed bed, fertilize and lime. Firm the seed bed by using a smoothing harrow and cultipacker or smoothing harrow and log. Seed and fertilize according to pasture recommendations.

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

Seed bed preparation is important. Too little time has been given to this practice 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. Just before seeding the land should be disked, smoothed and packed with cultipacker or log, and packed just after seeding, a higher percentage of germination will result with small seed if a good job of seed bed preparation is carried out.

In seeding any of the clover, the seed should be inoculated with bacteria that is from reputable concerns and the use of 3 to 5 times the amount recommended by the manufacturer will give good results. Be sure to sow inoculated seed late in the afternoon or during a damp cloudy day as direct sunlight will kill the inoculation.

A good winter grazing crop that would be seeded now is 4 bu. oats, 4 bu. barley, and 20 pounds of Crimson Clover per acre. This mixture should receive 800 - 1000 lb. complete fertilizer and a 2000 pound ground limestone per acre.

The following report on winter grazing from the Clemson experiment station shows the value of green succulent grasses and legumes in the winter months.

W. B. Feemster, Route 3, Rock Hill, has purchased a new ensilage harvester that saves worlds of labor in putting up silage. The new machine cuts the corn in the field, chops it into ensilage and blows it into a wagon or truck along side the machine. He then hauls the ensilage to the barn to be blown into the silo. Those of you who would like to see this machine in operation may do so by going to Mr. Feemster's farm about the middle of next week.

J. D. Miller
County Agent

The South Carolina Crop Improvement Association was organized at a meeting in the Jefferson Hotel, Columbia, S. C. on Thursday, May 1. W. Hugh McGee, Starr, S. C. was elected president, O. H. Wienges, of St. Mathews, vice-president and Robert H. Garrison of Clemson College, Secretary-Treasurer.

Mr. Dave Cameron, Route 3, York, S. C., was elected a member of the Board of Directors which is composed of three members from each of the three Extension Districts in the state. The members of the board of directors with an advisory committee composed of representatives from the various agricultural agencies, will direct the activities of the association.

The purpose of the organization is to start a program of seed certification in the state. This is a great step in the improvement of agriculture in South Carolina and should go a long way towards improving the large number of different crops that are produced in this state.

York County farmers should take this opportunity to enter into a program of this kind and thereby assure the sale of good seed under this seed certification program. In order for a farmer to sell certified seed, he must plant seed direct from the breeder or one year from the breeder. Only those seed that are either one or two years from breeder are eligible to be certified.

In order to qualify for sale of seed under this program next year growers of seed should plant this year seed that are direct or one year from breeder. Proof of the source of seed will be required, so it is necessary that the bill of sale be kept as proof of the source of seed. In most cases this proof may be secured from the breeder.

In order to become a member of the South Carolina Crop Improvement Association, application must be made to the secretary-treasurer with a remittance of \$1.00 for yearly membership dues.

In addition to membership dues, a nominal charge will be made for inspection of the acreage and crops that must be done by employees of the association.

Use of DDT on the Farm

The use of DDT to control flies and other insects on the farm has met with widespread success. It is easy to apply and should be used in accord with certain definite suggestions. It is not a miracle worker but is just another chemical which definitely advances man's position in the war on insects.

Some rather spectacular results have been obtained by use of DDT on barns and cattle. Flies may be controlled by the use of 2.5 per cent DDT suspension at the rate of one quart per adult animal.

Three gallons of 2.5 per cent DDT suspension to 1,000 square feet of surface in barns is recommended.

The 2.5 per cent solution may be prepared by mixing 1 pound of 50% wettable DDT with ($2\frac{1}{2}$) two and one half gallons of water.

Dairy Calf Club

The York County Dairy Calf Club has increased its membership by the addition of seven new members who secured registered calves. This brings the total enrollment of the club to thirty-seven. Both Guernsey and Jersey calves are owned by the 4-H boys and girls.

Two calves were purchased from Mr. Jesse Hawkins, Cathcart Dairy, by Jean Love, the daughter of Mr. James Love, and Eugene Robinson student at York High School. The other calf was purchased by Olin Stowe, Jr. from Mr. Lewis Sturgis of Rock Hill

Four new members, Clifford Belk, Sammie Hopkins, Gene McDaniel and Nathan Moore of the Church Home Orphanage secured calves through the orphanage to use in their dairy calf club work.

Monthly meetings will be started soon, the first meeting being an organization meeting, the purpose of which is to elect officers for 1947 and a dairy calf club leader. Methods in judging and fitting their heifers for the fall shows will be discussed at the following meetings. Each member will have an opportunity to show their heifers at the fairs in Rock Hill, Spartanburg, and Columbia.

Election of supervisors for the Catawba Soil Conservation District will be held on Saturday, November 1, at the County Agents office in York from 10:00 a.m. to 12:00 noon. The Catawba Soil Conservation District is composed of four counties namely, York, Chester, Lancaster, and Fairfield. Three supervisors are to be elected and those already qualified by the submitting of a petition with the signatures of twenty-five or more qualified voters are W. B. Wilkerson, Jr., W. B. Montgomery, Lancaster county, and C. B. Abell, Chester county. The acceptance of petitions qualifying persons to be eligible for election will continue until October 25. These petitions should be submitted to the Catawba Soil Conservation District or the county agents office. All qualified voters are urged to vote between the hours of 10 - 12 on Saturday, November 1. All landowners as occupiers of land in the district are eligible to vote.

Last week the 4-H poultry club members exhibited their pullets at the York County Fair in Rock Hill. Prizes were awarded at a banquet on Tuesday at the Andrew Jackson Hotel. This \$135.00 of prizes was donated by Sears Roebuck & Company sponsor of the poultry club. Twenty dollar prizes were awarded three members who received the blue award. They were Richard Meek, Betty Hope, and Joe Dixon. Red awards and \$10.00 each were won by Margaret Craig, Eugene Jackson, and Kenneth Johnson. In the white ribbon group with prizes of \$7.50 each were Lee Roy Boatwright, Ruth Lever, Carolyn Gettys, and Glenn Dixon. Pink awards and \$5.00 each presented Doroty Byars, Betty Jean Goforth, and Peggy Boyd.

The 156 pullets entered in the show were auctioned off Friday at 2:00 p.m. with Richard Meeks pullets bringing the highest price. The pullets sold for \$217.76 and this money will be used to purchase 1400 chicks to place 100 each with 14 boys and girls in 1948. Twelve pullets were returned by each club member for the 100 chicks received last spring.

The York County 4-H Calf Club showed their calves at the Spartanburg Fair and the York County Fair. This week we are showing at the State Fair in Columbia.

The 4-H Club Calves were judged by the American system for the County Fair prizes and were also judged by use of the Danish system for prizes donated by the following: Bank of York \$50, Rock Hill National Bank \$50, Peoples National Bank, Rock Hill, \$50, Rock Hill Implement Company \$50, and Gill Reid, International Harvester dealer, Clover, \$50. In the Danish system there are four placings and all cattle are placed. The four placings are Blue 1st, Red 2nd, White 3rd, and Yellow 4th. The calves owned by the following girls and boys placed in this order.

Blue - Sarah Love

Red - J. H. Williams, Dwight Stephenson, Billy Nelson, Gene McDaniel, Richard Neely, Jean Love, Billy Sturgis, Carolyn Senn, Ann Hope, Sammie Hopkins, Ervin Faulkenberry, and Lewis Sweatt. In the White group were Bobby Turner, Alice McCarter, Joe Jackson, and Richard Meek.

Yellow placings were Vernon Carroll, Eugene Robinson, Glenn Dixon, Gene Feemster, Billy Feemster, Betty Hope.

Prizes on the above placings will be awarded at the annual 4-H dairy calf club banquet which will be held sometime in November.

The acreage planted to winter grazing crops in York county is the largest in history. All indications are that most farmers with livestock have realized the value of supplying good green feed during the winter months and are doing something about it. Not only have farmers put in the largest acreage of winter grazing crops but they have also put in the largest amount of seed and fertilizer per acre ever to be used generally before. Eight bushels of small grain with 20 # Crimson clover and 800 - 1000 pounds fertilizer per acre is being used on a large scale. The cattle in York County should come through this winter in good shape.

The concerted effort on the part of the farmers of York County to help meet the present food and feed emergency will also make possible a more economic production of meat, dairy, and poultry products.

York County people attending the State Fair this week should see the farm and home labor saving show which will be here in York County on Tuesday, November 4 at the Armory in Rock Hill put on by the Clemson Extension Service workers and will be presented in the poultry building at the State Fair. From the State Fair the show will be taken to 15 counties.

Local farm people are urged to display any home made labor saving device which they may have. In order to eliminate any duplicates anyone desiring to display their devices are asked to notify Mr. W. E. Harper, Farm Labor Assistant, at the Post Office in Rock Hill so that he may reserve space for you. Entries may also be made through the home demonstration office or my office.

J. D. Miller
County Agent

Tomorrow is the day of the farm and home labor saving show to be held at the Armory her in Rock Hill. Everyone is invited to attend and I think everyone will find something of interest to them regardless of whether they are farmers, business men, farm women or housewives. The show is free starting at 10:00 a.m. and lasts until 4:00 p.m. It is a continuous show put on in exhibition style and should take approximately one hour to take it in. There will be on display eighty panels, working models and photographs exhibited by the Clemson College Extension Service. A specialist will be stationed at or near each display to explain the exhibit and answer any questions.

This same show, which has been improved, was presented to 40,000 people in twenty-three counties last spring. The show is now being put on in the fifteen counties that did not have the show last spring.

Farm machinery dealers will display their most modern machinery that helps to take the drudgery out of farming. Great strides have been made in the development of farm machinery in recent years and those people who have not seen the newest machinery should make an effort to call by the Armory tomorrow to see this new machinery. One of the great labor savers that will be displayed is a field ensilage harvester belonging to Mr. W. B. Feemster of the Lesslie community. Dairymen and beef cattle growers all know the tremendous amount of hard labor involved in cutting the corn or other material in the field, loading it on wagons and hauling it to the barn, then having to feed it to an ensilage cutter. This new machine does all those jobs. It cuts the corn, cane, etc., chops it into ensilage, and blows it into a trailer or truck to be hauled to the barn. No hard work involved.

I can remember when we when we cut our grain with a cradle, tied it into bundles, shocked it in the field, hauled it to the barn, and later spent a miserable day when the threshers arrived threshing the grain in sacks in the barn. Now we can do all these jobs in one by use of the combine a modern machine in common use on our farms which can also be seen at the Armory tomorrow.

One advantage of the show to the public is the accumulating of all this machinery and devices so that it can all be seen at one place. This also saves time as it would take a considerable amount of time to go to all the different places to see these devices and machinery.

Modern electrical appliances, such as the electrical dish washer, sewing machines, working machines, deep freezer lockers, etc. will be on display.

Home made labor saving devices that are being used by farmers in York County and over the state will also be shown by farm people and the Clemson College Extension Service.

With labor hard to get on farms and the wages extra high when we are able to get labor, it is more important now than ever before to reduce the amount of labor required to do a job. It not only saves time but also saves dollars. Machinery and devices will help us increase our income and at the same time leave us with more time to do those jobs that we need to be done that have had to wait because of the shortage of labor.

Several prizes are being offered to visitors at the show. A disk is being furnished to all who desire with a place for their name and address. This disk will be deposited in an container in the Armory and a drawing will be held after the show to determine the winners.

Make your plans now to plant wheat when the weather permits. If there ever was a time when York County farmers should plant wheat it is now. There

are several good reasons why we should make every effort to get at least enough planted for our own needs. It is also a profitable cash crop with the prices as high as at present. It will help to feed the hungry people of other nations. The outlook in the United States is for a very poor 1948 wheat crops due to the very dry weather in the wheat belt. We will also be assured of having enough wheat for home consumption. If you need seed wheat now is the time to get it so it will be on hand when needed.

The recent rains have delayed the planting of oats and barley so the prospects for those grains are reduced some.

Wheat should be planted in York County during November. Varieties recommended are Hardired, Marett purple straw, Redhart, and Bluestem. Four hundred to six hundred pounds complete fertilizer should be applied at time of planting with 100 - 200 pounds nitrogen fertilizer added in spring. Six pecks per acre should be seeded with grain drill.

J. D. Miller
County Agent