

1947

1947 Negro Marlboro County Extension Service Report

Clemson University Cooperative Extension Service

J. W. Nesbitt

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ANNUAL REPORT

COUNTY AGENT WORK

Marlboro
County

SOUTH CAROLINA

1947

J. W. Nesbitt
Negro Agricultural Agent

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina

ANNUAL NARRATIVE REPORT COUNTY AGENT WORK

MARLBORO COUNTY, SOUTH CAROLINA

1947

J. W. Nesbitt

Negro Agricultural Agent

Cooperative Extension Work in Agriculture and Home Economics

Clemson Agricultural College and the

United States Department of

Agriculture Cooperating

Extension Service

D. W. Watkins, Director

Clemson, South Carolina

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SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

GENERAL ACTIVITIES

1.	Days agent spent in Office.....	56
2.	Days agent spent in field	208
3.	Days agent worked	264
4.	Miles agent traveled	11,000
5.	Number of farms visits	497
6.	Number of different farms visited.....	261
7.	Office calls at agents office.....	509
8.	Telephone calls at agents office.....	495
9.	Meetings held or attended.....	103
10.	Attendance at these meetings.....	2,264
11.	Number communities in which extension work was conducted.....	16
12.	Number of farms conducting demonstrations.....	247
13.	Number voluntary community leaders assisting with extension program.....	39

PROJECT ACTIVITIES AND RESULTS

Agricultural Economics

Five outlook meetings were held with an attendance of four hundred and six-two farmers. Three farm planning demonstrations.

Agricultural Engineering

A total of nine hundred and eight-five acres of land were drained. Farm building plans were furnished to 16 farmers. Four farmers were assisted in making contour row equipment. 14 farmers were assisted in farm machinery repair.

AGRONOMY

Seven farmers conducted corn production demonstrations, yielding forty-one bushels per acre. With an average cost of \$16.00 per acre. Six oat demonstrations were conducted yielding an average of forty-four bushels per acre. Four wheat demonstrations conducted yielding an average of nineteen bushels per acre. Four Lespedeza for hay demonstrations conducted showing an average production of 1.1 ton per acre.

ANIMAL HUSBANDRY

Three purebred boars placed, Four high-grade boars placed with farm families. Forty-nine 4-H Club boys completed swine feeding demonstrations. Three meat cutting demonstrations were held.

DAIRYING

Three high-grade Jersey cows were placed, Five high-grade heifers placed. Six farm families completed demonstrations in growing high quality hay for family cow purposes. Seven farm families completed family milk supply improvement demonstrations. Five families completed Summer grazing demonstrations.

ENTOMOLOGY AND PLANT PATHOLOGY

Conducted five demonstrations in truck crop insect control. Two hundred and forty-five fruit trees treated for peach borers. Four beef calves treated for parasites. Four families completed demonstrations in spray control.

FOUR -H CLUB WORK

Four-H Club work was carried on in sixteen communities with a total of Two hundred and seventeen boys enrolled of this number one hundred and thirty-three completed demonstrations. One Rally Day held. Four Club tours held. One four H club encampment attended.

HORTICULTURE

Five sweet potato demonstrations completed. Four home orchard demonstrations completed. Twenty-nine boys completed demonstrations in sweet potatoes yielding 3,405 bushels.

MARKETING

Farmers were assisted in marketing surplus farm products. Five farmers assisted in grading and packing sweet potatoes to be marketed at Gibson, North Carolina.

POULTRY

Five adults conducted poultry production demonstrations. Four older youth completed demonstrations in grow-healthy-chick demonstrations. 4-H Club members completed nine poultry production demonstrations.

VISUAL AID INSTRUCTION

Educational motion pictures were shown in three communities. Maps and charts were used in connection with bulletins and demonstrations.

PUBLICITY

A Total of 2500 individual letter and circular letters were mail to farmers during the year. Fourteen articles were written,

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

1. County Agricultural Committee

- a. The county agricultural Committee was selected by the people in their respective communities on the basis of their experience in working with groups, their knowledge of conditions and needs of their community and the county, and their ability to cooperate.
- b. The following are the names and address of the county agricultural committee.

Will Johnson	Rt. 1, Blenheim, South Carolina
James Ivey	Rt. 2, Box 36, McCall, South Carolina
Henry Terry	Rt. 2, Bennettsville, South Carolina
Norman Evans	Rt. 2, Bennettsville, South Carolina
Couse Ross	Rt. 1, Blenheim, South Carolina
Arthur Malloy	Rt. 1, Clio, South Carolina
Ernest Moore	Rt. 4, Bennettsville, South Carolina
Rev. A. W. Reid.	Rt. 4, Bennettsville, South Carolina
Paul Pickins	Rt. 1, Bennettsville, South Carolina
Russell Kinney	Rt. 1, Clio, South Carolina
John Spears	Rt. 1, Bennettsville, South Carolina
Delware Palmer	Rt. 1, Clio, South Carolina
Cleveland Robinson,	Rt. 4, Bennettsville, South Carolina

The duties of this committee is to work with the agent and people of their respective communities in planning a program that will best serve the needs of their communities; aid in getting information regarding all agricultural subjects, and aid in checking the progress of demonstrations, in their communities, and other activities.

Names and address of Executive committee

Thomas Welch, Chairman	Rt. 4, Bennettsville, South Carolina
Walter Ivey	Rt. 1, Clio, South Carolina
Jonas Kinney	Rt. 1, Bennettsville, South Carolina
Mrs. J. C. Terry	Rt. 2, Bennettsville, South Carolina
P. H. Rogers	Rt. 1, Clio, South Carolina.

Duties and Responsibilities of County Agricultural Committee

The duties of the agricultural committee is to assist the agent in planning a county program. They are also to make a thorough study of the agricultural trends and needs of the county and through this work a formulate county program of extension work. The members of these committees are leaders of their communities and are able to influence others to conduct demonstrations and adopt new and improve practices.

Over-All Sub-Committee

Rev. W. L. Ware	Rt. 1, Clio, South Carolina
Mrs. Saddle Leggett,	R. 1, Clio, South Carolina
Boyde Gandy, 9	Rt. 1, Clio, South Carolina
Miss Bessie Cook	R. 3, Bennettsville, South Carolina
Tom Palmer	Rt. 2, Bennettsville, South Carolina
Nathaniel Holiday	Rt. 1, Blenheim, South Carolina
Norman Robinson	Rt. 4, Bennettsville, South Carolina

Duties and Responsibilities of the Over-All Sub-Committee

The duties and responsibilities of this committee are work jointly with all other committees. They also represent 4-H Club and County Council. They are also to make a thorough study of the agricultural situation and needs of the county and through this work formulate a county program jointly of extension work. The members of these committees are leaders of their communities and are able to influence other to conduct demonstrations and adopt new and improve practices.

2. Community Agricultural Committees and Neighborhood Leaders:

a. <u>Bennettsville</u>	One Committeeman, one leader
Dudley - (St. Mark)	One leader
Ebenezer - (Galilee)	Two leaders
Dargan - (Level Green)	One leader
<u>Blenheim -</u>	One committeeman
Oak Grove -	One leader
Salem (Macedonia)	Two leaders
Drakes @ (Louden)	Two leaders
<u>Brightville -</u>	One Committeeman
Pineville	One leader
Ropergrove	Two Leaders
<u>Brownsville</u>	One Committeeman
Keys -	One leader
<u>Clio</u>	One Committeeman
Hebron	One leader
Willis	One leader
Wesley	One leader
Fee Dee	One leader
Dunbar	Two leaders
<u>Kollock</u>	One Committeeman
Irby	One leader
<u>Wilson</u>	Two Committeeman
<u>Fletthers</u>	One Committeeman
Lester	One leader
<u>McColl</u>	One Committeeman

3. Campaigns Handled Through Voluntary Leaders in 1947

Method:

1. Demonstrations were given showing the use and value of lime. Two field meetings were held, these meetings were attended by local leaders and interested farmers. At this meeting the results of the use of lime was observed.

Results.

Upon visiting the farmers who attended these meetings it was found that they had made applications to the AAA for their allotment of lime and in seven cases they had increased their lime application by 50 per cent.

Seeding fall Grain

Method:

A campaign for the increase in the production of small grain was open September 1, by local leaders in sixteen communities. All local leaders were informed of the duties they could perform. A list of farmers needing small grain seed were taken during this campaign, all farmers were urged not plant wheat until after November 1,

Results:

Thirty-four farmers secured seed cooperatively and local leaders have reported small grain seeding have increased in their respective communities over 15 per cent.

Seeding Annual Lespedeza

Method:

Two field meetings were held to aid farmers in recognizing the value of annual lespedeza and its advantages over the commonly used (cowpeas) seed for hay. At these meetings it was pointed out the advantages in seeding, harvesting and its high qualities in curing and handling.

Results:

3,000 pounds of annual lespedeza were secured from Cleveland County farmers and seeded this year. Over 50 per cent of the farmers growing annual lespedeza this year have expressed their opinion in favor of this crop 2 to 1 over cowpeas.

P

PROJECT ACTIVITIES AND RESULTS

AGRICULTURAL ECONOMICS

Work in agricultural economics and farm management in 1947 included, five outlook meetings and three farm planning demonstrations.

OUTLOOK MEETINGS: One county outlook meetings was held in the county courthouse, and four district meetings were held with a total attendance at all meetings of four hundred and sixty-two.

The farmers of Marlboro County are becoming more and more to rely on outlook information through the extension service as a guide in operating their farm program. This information has caused number of farmers to change their farm program to meet the coming needs. Seventy-five per cent of the farmers relying on outlook information have stated they have held their major crops to a minimum and expanded on crops needed most to avoid loses by price and labor conditions.

COMPLETE FARM ACCOUNTS: Three farmers have kept farm accounts on their operation in 1947 the table below will give a summary of these farmers.

SUMMARY OF FARM WITH COMPLETE FARM RECORDS

NAME

Walter Ivey	Rt. 1, Clio, S. C.	347	Cotton-Tobacco
J. T. Kennedy	Rt. 1, Bennettsville,	160	Poultry
N. T. Robinson	Rt. 4, Bennettsville,	342	Cotton Tobacco

MM The records listed above have been compiled and will be used where possible for information in furthering record keeping among farm families.

AGRICULTURAL ENGINEERING

Agricultural engineering work in Marlboro County during 1947 included work in Soil Conservation and Farm Building Plans and Assistance in farm machinery repair.

Soil conservation work was conducted through local leaders in the county. Drainage was carried out in four communities. This work consisted of improvement to drainage and new draining practice used.

SUMMARY OF DRAINAGE IN FOUR COMMUNITIES

No Farmers	Communities	No. Acres Drained
2	Mt. Pleasant	345
3	Ropergrove	465
2	Wilson	175
7	3	885

The above table shows that 885 acres of land drained in seven communities. On each farm that made these improvements were farm providing a balance cropping system to conserve the the soil and at the same time increase farm income. Orders or application have been placed with the Soil Conservation Service to do work in the future. This work was made by the farm labor due to the fact that the Soil Conservation Service is over worked with application at present.

FARM BUILDING PLANS

Farm building plans: Farm building plans prepared by the extension agricultural engineering division were furnished to sixteen farmers for the construction of farm building. Due to shortage of lumber and high cost most farmers thinking have decided to make the old structures do until good barn and farm buildings can be constructed at a more economical cost. There fore there is no building constructed according to plans ready for reporting.

AGRONOMY

Agronomy work in 1947 consisted of demonstrations and educational work with the major agronomy projects; Summaries and results of demonstrations according to the outline in program follows.

MISCELLANEOUS ACTIVITIES

Corn Tour: Two corn tours as made in the county for the purpose of aiding farmers in recognizing the advantages improve seed, fertilization and cultivation methods can produce. Nine farmers were on this tour. two of the farmers on the tour were members of the county planning board they were interested in studying the needs of various communities to be able to make recommendations to the planning group.

Cover Crop Tour: One cover crop tour was made in the county to create more interest in the growth of annual lespedeza. The five farmers seeing annual lespedeza growing made a big difference in hearing it told. It was plainly demonstrated, to all on the tour that annual lespedeza is a profitable crop for hay. This tour also brought out the use of lime for lime had been applied to all plots of annual lespedeza observed on this tour the pervious year.

Small Grain Tour: Two small grain tours were made in the county. These tours gave a chance for ten farmers interested in small grain: To see small grain grow under three conditions First, improved treated seed, secondly, cultivation (improved methods) and thirdly, fertilization. Here farmers were given first hand information on how these crops were developed by the farmer. They also observed the use of grain in feeding livestock, here was a chance to see home grown feed in action for their first time, the feed was ground and mixed at a small cost of about twenty cents per bushel at the new feed mill established in Bennettsville. The farmers saw how livestock were being finished for market. More grain is being produced in the county this year and we feel that these tours have had their bearing.

SMALL GRAIN

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

SUMMARY OF OATS DEMONSTRATIONS

Name	Variety	Acres	Yield Per Acre	Yield	Cost	Cost Per Bu.	Value	Profit
Walter Ivey	Fulgrain	5	51	255	\$75.00	29¢	\$255.00	\$180.00
Norman Robinson	Fulgrain	5	46	230	81.00	35¢	230.00	149.00
Paul Pickins	Fulgrain	5	43	215	63.00	29¢	215.00	152.00
Ernest Moore	Fulgrain	5	39	195	71.00	36¢	195.00	124.00
Alonza Brouse	Fulgrain	5	41	205	69.00	34¢	205.00	136.00
Henry Terry	Fulgrain	5	45	225	70.00	33¢	225.00	155.00
TOTALS		30	265	1325	\$369.00	32¢	\$1,325.00	\$956.00
Average per acre		44 bu.		Average value per acre		\$44.16		
Average cost per bu.		32¢		Average profit per acre		\$32.86		
Average cost per acre		\$12.30						

These demonstrations show an average yield of 44 bushels per acre, as a result of improved methods, as compared to an average of 21 bushels per acre for the county as a whole. The cost per bushel, including rent of land, fertilizers, man and mule labor and threshing was 32 cent.

These demonstrations returned a profit of \$32.86 per acre.

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

SUMMARY OF WHEAT DEMONSTRATIONS

Name	Variety	Acres	Yield Bushels	Bushel Per A.	Cost	Cost Per Bushel	Value	Profit
Frank McQueen	Red Heart	5	85	17	68.00	80¢	\$170.00	\$102.00
Russell Kinney	Red Heart	5	95	19	57.00	60¢	190.00	133.00
J. T. Kinney	Red Heart	5	105	21	42.00	40¢	210.00	168.00
Alex Lamb	Red Heart	5	90	18	54.00	60¢	180.00	126.00
TOTALS		20	375	19	\$261.00	60¢	\$750.00	\$489.00
Average yield per acre		19 bu.						
Average cost per bu.		60¢						
Average cost per acre		\$13.00						
Average value per acre		37.50						
Average profit per acre		\$24.45						

These demonstrations show an average yield of 19 bushels per acre, as a result of improved methods, as compared to an average of 14 bushels per acre for the county as a whole. The cost includes rent of land, fertilizers, man labor and cost of machinery. These demonstrations returned a profit of \$24.45 per acre in cash. These figures does does not include profits received from land rotation, conservation of soil and other products for food and feed.

LEGUMES FOR HAY

Lespedeza for hay production: Four demonstrations of lespedeza for hay production were completed in 1947. A summary of these demonstrations follows:

SUMMARY OF DEMONSTRATIONS OF LESPEDEZA FOR HAY PRODUCTION

Name	Variety	Acres	Yield Tons	Cost Prod.	Cost Per Ton.	Value of Crop	Profit
Norman Robinson	Kobe	5	5	\$55.00	\$11.00	\$200.00	\$145.00
Henry Moore	Kobe	4	6	54.00	9.00	180.00	126.00
John McCollum	Kobe	5	5	35.00	7.00	175.00	140.00
Frank McQueen	Kobe	3	3	30.00	10.00	120.00	90.00
TOTALS		17	19	174.00	9.15	\$675.00	\$501.00
Average per acre		1.1 tons					
Average cost per ton		\$9.15					
Average cost per acre		\$10.29					
Average profit per acre		\$29.47					

The cost records on these demonstrations includes only the cost of harvesting and handling. As all demonstrations were reseeded demonstrations from 1946 soil building demonstrations. Fertilizers used were applied to small grain and cost records are not included, limestone used, this cost is not included as it was a AAA secured product.

Interest in lespedeza as a hay crop is increasing in Marlboro County, .

ANIMAL HUSBANDRY

Animal husbandry extension work in Marlboro County in 1947 consisted of educational demonstrations work with swine, beefcattle, and dairying.

SWINE

The program of demonstration work with hogs in 1947 included the placing of purebred sires and high-grade sires, hog feeding demonstrations, swine herd management demonstrations and marketing hogs.

Purebred and High-grade placements: Three purebred boars and four high-grade boars were placed with farmers during 1947. The county agent assisted the farmers in selecting these boars as to type and quality. A record of these placings is given as follows:

Record of Purebred Boars Placed in 1947

<u>Name</u>				
Ernest Moore	1	Duroc	6 Mo.	\$35.00
Norman Robinson	1	Poland China	3 Mo.	25.00
Theodore Wright	1	Duroc	3 Mo.	25.00
<u>TOTALS</u>	<u>3</u>			<u>\$85.00</u>

The lack of purebred sires in Marlboro County has caused swine production to lag. Due to this condition the breeders in the county have agreed to cooperate with the extension service in promoting this program. As a result a pig chain have been developed.

The homes of these placements were selected first because of their interest and the conditions for maintaining and management. These boars will serve the community and neighborhoods. At present there is a waiting list of families to be supplied.

Much of the progress in hog production in Marlboro County can be traced back to the starting point easily where purebred stock started. In these communities families with herds of improve boars are easily recognized, their gain in weight, and reduced feed cost are the two major factors.

High-grade placings : Sires of high-grade has been placed with farmers to aid in the production of more pork. The summary of these placings follows.

SUMMARY OF PLACINGS OF HIGH-GRADE BOARS

Name	No Boars	BREED	AGE	COST
Otis Pickins	1	Poland China	3 mo.	\$25.00
Walter Southerland	1	Poland China	3 mo.	25.00
John Edens	1	Poland China	3 mo.	25.00
Arthur Malloy	1	poland China	3 mo.	25.00
TOTALS	4			\$100.00

Emphasis is being put on better breeding of hogs in the county to increase the production of pork for farm families.

The following table gives a record of placings of boars by the year in Marlboro County

SUMMARY OF PLACINGS FROM 1944 to 1947

Year	NUMBER PLACED
1944	3
1945	8
1946	5
1947	7
TOTAL PLACINGS IN 4 YEARS	23

As a result of extension work in the promotion of improve breeding, a total of 23 boars are now in service in Marlboro County.

DAIRYING

Extension work in dairying for 1947 included educational demonstrations work in the placing of approved high-grade cows. Growing and curing of high quality roughages, grazing crops and pasture improvements.

HIGH-GRADE COWS

High-grade cows placed: Three cows were placed with farmers of the county to aid in increasing their milk supply for home use, and to where possible produce enough to make deliveries to the milk receiving center at Bennettsville. At Present cows are very hard to secure as soon as cows can be found to place the long waiting list of orders will be filled.

A SUMMARY OF HIGH-GRADE PLACED IN 1947

Name	No. Cows	Breed	Cost
Paul Pickins	1	Jersey	\$135.00
John Spears	1	Jersey	135.00
Tom Palmer	1	Jersey	135.00
Totals	3		\$405.00

Thirteen farmers at present are on the waiting list for cows to used for family milk supply. These placing will be make as soon as possible.

Heifers Placed: Five high-grade heifers were placed with older youth the summary of these placings follows:

SUMMARY OF HEIFERS PLACED

Name	No. Head	Breed	Cost
Harold Kinney	2	Guernsey	\$125.00
Nathaniel Holiday	2	Jersey	120.00
Lerpy Harley	1	Guernsey	60.00
Totals	5		\$305.00

As a result of extension work in the promotion of milk production for farm families, a total of 22 cows have been placed to-date.

Milk Production for family use: This project was conducted in cooperation with the Home Demonstration Agent as a joint project. Large number of charecroppers who are in urgent need of these products have been encouraged to make these improvements to provide an adequate supply of milk for the family. A number of the families now making these improvements have been encouraged to keep their heifer calves, they have in a number of cases, this has added to their milk supply at a more economical cost. The following tables gives the name and community of some of the families cooperating.

SUMMARY OF FAMILIES IMPROVING MILK SUPPLY FOR HOME USE

<u>Name</u>	<u>Number Milking</u>	<u>Community</u>
Thaddus Cornwell	3	Pineville
Nathaniel Holiday	2	Drakes
Harold Kinnedy	2	Dargan
Ernest Moore	2	Wilson
Paul Pickins	2	Ropergrove
Crouse Ross	2	Louden
James Ivey	2	Willis

<u>TOTAL</u>	<u>15</u>	<u>7</u>
--------------	-----------	----------

The families above were encouraged in 1944 and 1945 to keep their young heifer calves to help increase their milk supply. As a result these families are setting good examples and their demonstrations are proving to others what can be done through the family cow. These families will be able to make deliveries to the milk route as soon as it is established through their respective communities. At present these above families are making some sales of butter through the Home Demonstrations agent program.

Family Cow: A special campaign on "Adequate Feed for the Family Cow!" This campaign was also conducted on a joint basis with the Home Demonstration Agent. The subject was discussed at joint meetings, and an outline of the production of feed was given to all farmers present. The results of this campaign have been good. A Summary of the the feed demonstrations will follow on the next page.

Growing and Curing Quality Roughage

Curing Hay: All efforts was put forth to increase growing and curing high quality roughages, realizing the need for this product in livestock feeding. Five farmers completed demonstrations on growing and curing quality hay. A summary of these demonstrations follows:

SUMMARY OF GROWING AND CURING QUALITY ROUGHAGE

Name	Kind of Hay	Tons	Remarks
John Spears	Lespedeza	3	Good
Thaddus Cornwell	Lespedeza	3	Good
Nathaniel Holiday	Lespedeza	2	Good
Harold Kinney	Lespedeza,	4	Excellent
Paul Pickins	Lespedeza	2	Good
Crouse Ross	Lespedeza	4	Good
TOTALS		18	

These farmers are realizing the importance of producing high quality roughage. These farm families serving as demonstrators in their communities are making a good impression on their neighbors with reference to the need of producing high quality roughage, and the family cow.

With reference to the above chart it can be noted that there is a definite change in the production of hay. In 1944 the amount of lespedeza grown among our farmers was mostly on a demonstrative basis. To date it can be reported that acreage of lespedeza has increased to the point that it is now the favorite hay crop of the county. This crop was in the start on a one-half and one acre basis.

ANNUAL GRAZING CROPS

SUMMER GRAZING CROPS: Since temporary grazing crops are important in the economical production of milk. Annual grazing was discussed at all meeting where this crop was involved in the topic. Farmers were encouraged to grow plenty of summer and winter grazing crops to supplement pasture grazing. As a result Five millett demonstrations were established and completed. A summary of these demonstrations follows on the next page.

SUMMARY OF SUMMER GRAZING CROP DEMONSTRATIONS

Names	Crop	No. Head	No. Acres	No. Mo. Grazed	Cost
Harold Kennedy	Pearl Millett	3	3	3	\$18.00
Crouse Rocss	Pearl Millett	2	2	2	15.00
Thaddus Cornwall	Pearl Millett	3	3	2	18.00
Otis Pickins	Pearl Millett	2	1	2	12.00
Ernest Moore	Pearl Millett	4	2	2	21.00
TOTALS		14	11	11	\$84.00
Average cost per cow		\$6.00			

These farmers were much impressed with result obtained from grazing at cost of \$6.00 per cow for the period of time graze.

ENTOMOLOGY AND PLANT PATHOLOGY

Extension work in entomology and Plant Pathology in 1947 was conducted in crop seed disease control and insect control. This work was conducted in sixteen communities with the assistance of thirty-four local leaders, interest is increasing every year in connection with new methods of control, which farmers have come to realize that this is an increasing factor in yield.

Bean Beetle Control: Farmers in sixteen communities about 40 per cent of the farm families have reported to their community leader the result of control practices. The agent along with the local leaders of every community are working to spread the use of control method to all farm families, as the market gardeners generally follow control methods.

Peach Borer Control: Eight farmers used paradichlorobenzine in the control of the peach tree borers. During the early fall month all farmers were reminded of treating their trees in orchard in October. The eight farmers reporting reported 178 trees treated in home orchard projects. This report give and increase of fifty trees treated the year of 1946 over 1945. A summary of trees treated will follow on the following page.

SUMMARY OF THE USE OF PARADICHLOROBENZINE

Name	Material Used	Number of trees tr.
Charlie Green	Paradichlorobenzine	55
John Spears	Paradichlorobenzine	40
Time Smith	Paradichlorobenzine	30
James Ivey	Paradichlorobenzine	37
J. T. Kinney	Paradichlorobenzine	35
A. W. Reid	Paradichlorobenzine	21
Joe Bradford	Paradichlorobenzine	27
TOTALS		245

The 245 trees treated or reported 127 were treated yearly since 1944. The families noting the results have increased their orchard to the reported number (245)

SUMMARY OF SPRAYING DEMONSTRATIONS

Names	Material Used	Results
Boyde Gandy	Bordeaux Mixture	Good
John Edens	Brodeaux Mixture	Good
Russell Kinney	Brodeaux Mixture	Good
Will Johnson	Brodeaux Mixture	Good

The four home orchard growers reported good result from spraying only one application was used as a whole. A spray outline was furnished to all the home orchard growers or one who have made improvements to their old ones. The above spraying demonstrations included the intire orchards settings.

FOUR - H CLUB WORK

Boys 4-H Club work was conducted in sixteen communities in Marlboro County in 1947. With an enrollment of 217 boys enrolled. One hundred and thirty-three boys of the two hundred and seventeen completed demonstrations. 4-H clubs meetings are held monthly and each club has its local leader active or unactive.

Summary of Enrollment and Completions: In the following table is a list giving a summary of the club enrollment and completions.

SUMMARY 4-H CLUB ENROLLMENT AND COMPLETIONS

Name of Club	No Members Enrolled	No Completed Demonstrations	Per cent members Completing dem.
Beauty Spot	17	6	40
Wilson	14	8	60
Brownsville	19	8	46
Keys	15	7	45
Irby	11	5	54
St. Mark	21	8	34
Dunbar	13	6	54
Fee Dee	12	9	75
Galilee	13	8	61
Syrian	17	7	48
Lester	18	5	27
Pineville	23	16	73
Hebron	24	14	64
Blenheim	26	14	58
St. Paul	12	8	75
New Hope	14	5	37
TOTALS	217	133	
Average			71 %

The summary of 4-H Club demonstrations: On the following page is given a summary of 4-H club demonstrations completed in 1947.

SUMMARY 4-H CLUBS ENROLLMENT AND COMPLETIONS - 1944 - 1947

Year	NUMBER BOYS ENROLLED	NUMBER OF BOYS COMPLETED
1944	77	73
1945	183	93
1946	202	102
1947	217	133
TOTALS	679	401
AVERAGE COMPLETIONS 75 per cent		

Summaries of 4-H Club Corn Production Demonstrations: a summary of 4-H club corn production demonstrations follows, showing complete results in cost and profit.

SUMMARY OF 4-H CLUB CORN PRODUCTION DEMONSTRATIONS

NUMBER COMPLETING	NO. ACRES	NO. BUSHELS	VALUE	COST	PROFIT
46 666	51	1,971	\$3,966.00	\$1,572.00	\$2,394.00
TOTALS	51	1,971	\$3,966.00	\$1,572.00	\$2,394.00
Average bushels per acre 38					
Average cost of production per acre. \$30.82					
Average cost per bushel \$0.82					
Average profit per acre \$1.21 Bu.					
Average cost per a. \$30.82					
Average profit per acre. \$4.98					

The corn production demonstrations with 4-H club boys yield and average of thirty-eight bushels per acre., as compared with the county average of 17 bushels per acre. Nitrogen shortages were not the handicap to club member this year as last year. Most of the boys growed green manure through winter crop also some of the demonstrations followed a cover crop.

Summaries of 4-H Club Poultry Production Demonstrations: A summary of 4-H Club poultry production demonstrations follows showing complete results in cost and profit.

SUMMARY OF 4-H CLUB POULTRY PRODUCTION DEMONSTRATIONS

No. Completing	No Birds	Value	Cost	Profit
9	1650	\$1,799.00	\$975.00	\$824.00
TOTALS	1650	\$1,799.00	\$975.00	\$824.00

Average Value per bird \$1.90
 Average cost per bird \$0.58¢
 Average Profit per bird \$1.32

The profit received from these demonstrations will be invested in a larger number of birds the members have expressed their opinion. Club members have made preparation to reduce cost in feeding by growing their feed and mixing. This method has cut cost in production over 50% with those who used this method.

Summaries of 42H Club Pig Fattening Demonstrations: Forty-nine boys completed demonstrations on fattening pig in (fattening Class) A summary of these completions follows showing cost and Profits, Average per head in all phases considered.

SUMMARY OF 4-H CLUB PIG FATTENING CLASS DEMONSTRATIONS

NO COMPLETING	NO HEAD	VALUE	COST	PROFIT
49	59	\$3,048.00	\$1,493.00	\$1,555.00
TOTALS	59	\$3,048.00	\$1,493.00	\$1,555.00

Average Value per head \$51.64
 Average Cost Per Head \$25.30
 Average Profit Per Head \$26.34
 Average Wt. Gained Per 200 days 137 Lbs.

Summary of 4-H Club Sweet Potato Production Demonstrations:

A summary is given in the table below showing total cost of production and averages of each item.

SUMMARY OF 4-H CLUB SWEET POTATO PRODUCTION DEMONSTRATION.

<u>NUMBER</u> <u>COMPLETING</u>	<u>NUMBER</u> <u>ACRES</u>	<u>NUMBER OF</u> <u>BUSHELS</u>	<u>VALUE</u>	<u>COST</u>	<u>PROFIT</u>
29	31	3,405	\$5,274.00	\$2,221.00	\$3,053.00
<hr/>					
TOTALS	31	3,405	\$5,274.00	\$2,221.00	\$3,053.00
<hr/>					
AVERAGE COST PER BUSHEL \$0.65					
AVERAGE COST PER ACRE \$71.00					
AVERAGE PROFIT PER ACRE \$99.13					
AVERAGE VALUE PER ACRE \$170.13					
AVERAGE NUMBER OF BUSHELS PER ACRE 109					
<hr/>					

The average number of bushels per acre in this report refers to the U.S. No. 1's or those number of potatoes that will be sold for top price when marketed. Nine of the boys completing demonstrations this have made field selections for seed potatoes another year.

4-H CLUB RALLY DAY

The 4-H Club Rally Day was held at Mt. Pleasant Blenheim, S. C. April 11, 1947. One hundred and forty-three club members and parents were present. Forty-seven of these club members present were members who had completed demonstrations in 1946. In addition three club members were awarded county prizes. Mr. T. W. Welch, Bennettsville chairman of the planning board was the principle speaker.

Goals set at this meeting were as follows:

1. Increase enrollment in all clubs
2. A definite program of work and the local to meet with members at all club meetings.
3. To increase the number of demonstrations carried to completions
4. Keep clubsters working by beginning new demonstrations as soon as one is completed.

4-H CLUB TOURS

Four 4-H club tours were conducted in the county for the purpose of helping club members to recognize the value of club work and the various activities in which club members are participating. The tours covered the four major activities being stressed among club members as Sweet Potatoes: On this tour club members on the tour visited Tom Palmer and James Ivey's farm and Z. V. Fates Potato farm and shipping center Gibson, N. C. The Poultry club members visited J. C. Smith, John Bristow and J. T. Kinnedys' Poultry farm in the Dargan District. The corn Club members visited Otis Pickins farm, N. T. Robinson's farm and Senator Paul Wallis farm where they were able to see some of the outstanding corn demonstration. The Pig club boys visited the Usher and Willis farm of purebred Poland chins herd.

Judging Team

One Beef calf judging team composed of three boys Williams Watson of Tatum Albert Adams of Olio and Theodore Kinney of Dunbar. The three boys participated in the Fat Stock judging at Florence South Carolina.

FOUR - H STATE CONSERVATION CAMP

Four - H Club members and two local leaders attended the State Conservation Camp which was held at State College, Orangeburg, S. C. August 4 to August 7. The camp program was well organized and provided educational information in the use and Conservation of our National resources. It was an enjoyable and profitable occasion for all the clubster who attended.

HORTICULTURE

The horticulture work in Marlboro County for 1947 included demonstrations with Sweet Potatoes, Home orchards and truck crops.

SWEET POTATOES

SWEET POTATO PRODUCTION DEMONSTRATIONS: In all sweet potato demonstrations conducted, improved seed, bedding, cultivations and grading were stressed. Five demonstrations completed are given below.

SUMMARY OF SWEET POTATO PRODUCTION DEMONSTRATIONS

<u>NAMES</u>	<u>NO ACRES</u>	<u>NO BU.</u>	<u>VALUE</u>	<u>COST</u>	<u>PROFIT</u>
Tom Palmer	2	300	\$600.00	\$180.00	\$420.00
James Ivey	2	325	650.00	200.00	450.00
Theodore Wright	2	275	550.00	175.00	375.00
Samuel Manuel	1	150	300.00	110.00	190.00
Ed. Harley	2	340	680.00,	215.00	465.00
<hr/>					
TOTALS	9	1,380	\$2,780.00	\$880.00	\$1,900.00
<hr/>					
AVERAGE PER ACRE	153 Bu.				
AVERAGE COST PER BUSHEL	\$0.64				
AVERAGE PROFIT PER BUSHEL	\$1.37				

The result from the demonstrations have been compiled and will be used as reference in making recommendation in potato production in this county for 1947.

HOME ORCHARD

HOME ORCHARD IMPROVEMENT: Home orchard improvement were stressed during the year of 1947. Realizing the great advantages that could be received from these demonstrations. All farm families were urged to make home orchard improvement. A summary of these demonstrations will follow on the next page.

A summary of Home Orchard improvement demonstrations follows below.

SUMMARY OF HOME ORCHARD IMPROVEMENTS

NAME	VARIETY	NUMBER	COMMUNITY
James Ivey	Alberta	9	Willis
James Ivey	Belle of Georgia	6	Willis
A. W. Reid	Alberta	10	Irby
Paul Pickins	Alberta	15	Ropergrove
TOTALS		40	

The home orchard of Marlboro County are gradually improving. The forty trees added this year will be pruned and treated and fertilized this winter. The families making these plantings are following the extension methods of home orchard care.

A number of these home orchard improvements have been carried out jointly with the Home Demonstrations Agent. Since working jointly on this project the Home Agent has reported that farm women are very much impressed with results being obtained from orchards since improve practices have been applied to the orchards.

TRUCK CROPS

Three truck demonstrations were completed and reported showing cost and profit. A summary of these demonstrations follows.

TRUCK CROP DEMONSTRATIONS SUMMARIES

NAME	NO. OF ACRES IN DEMONSTRATIONS	COST	PROFIT
Arthur Terry Jr.	3	\$186.00	\$653.00
Thomas Welch	2	142.00	427.00
Ned McCrommon	2	134.00	246.00
666666666666			
TOTALS	7	\$462.00	\$1,326.00
AVERAGE COST PER ACRE \$67.00			
AVERAGE PROFIT FROM ACRE \$189.42			

MARKETING

Extension work in marketing for 1947 consisted of demonstrations in grading and packing and aiding farmers in the cooperative buying and selling of farm products.

GRADING AND PACKING The agent with the help of local leaders worked closely with farmers interested in improving the selling quality of their products by grading and packing farm products for market. Farm visits were made throughout the year to all farm planning to market farm produce on this basis. Marketing was also discussed at a number of meetings.

Marketing of Surplus Farm Products : The agent worked with the farmers of the county throughout the year in marketing surplus farm products, for which there is no regular established local market. The purchasing of farm materials and supplies this was done cooperative where possible. A summary of marketing follows:

SUMMARY OF MARKETING

<u>Products</u>	<u>Quantity</u>	<u>Bought</u>	<u>Sold</u>
Vegetables	5,863 Lbs		\$1,788.00
Sweet Potatoes	1,380 Bu.		2,280.00
Poultry	1,650 H.	\$231.00	1,493.00
Hogs	4 H	100.00	
Cows	3 H	405.00	
Calves	2	241.00	561.00
<u>TOTALS</u>		<u>\$977.00</u>	<u>\$6,112.00</u>

The items listed under marketing was items bought and sold cooperative. Other sales are not included in this chart.

POULTRY

Extension work with poultry projects in the county consisted of demonstrations of Grow-Healthy-Chicks, and poultry production demonstrations

GROWING HEALTHY CHICKS: Four demonstrations of grow-healthy-chick demonstrations were completed by older youth. These demonstrations were carried out under recommended practices from the breeders. The demonstrators followed sanitary measures as well as feeding practices.

A SUMMARY OF GROW HEALTHY CHICK DEMONSTRATIONS

Name	No. Started	No. Raised	Percent Mortality	No. Sold	Pounds of Feed Used
J. T. Kinney	2000	1,930	4%	1,920	3,800
John Spears	1100	900	12%	800	2,300
Alexander Ivey	500	470	6%	400	1,400
Warren Robinson	1000	980	4%	900	2,000
<u>AVERAGE MORTALITY</u>			<u>6%</u>		

The grow- healthy-chick demonstrations completed by four club members and older youth with a mortality rate of six per cent. This mortality rate was obtained from farmers who kept records of the flock. These reports will be used in furthering the work among other youth interested in grow- healthy- chick demonstrations

Poultry Production: Five farmers completed poultry production demonstrations. The summary of these demonstrations follows:

POULTRY PRODUCTION DEMONSTRATIONS

SUMMARY OF POULTRY PRODUCTION WILL FOLLOW ON NEXT PAGE.

SUMMARY OF POULTRY PRODUCTION DEMONSTRATIONS

NAME	No. Birds	Income	Cost	Labor Income	Labor Income Per Bird
J. T. Kinney	1,920	\$2,016.00	\$384.00	\$1,060.00	.85¢
John Bristow	194	195.00	38.00	157.00	81¢
Alexander Ivey	470	474.00	84.00	190.00	83¢
John Spears	368	371.00	73.00	207.00	78¢
Warren Robinson	930	939.00	187.00	741.00	79¢
TOTALS	3,882	\$3,997.00	\$768.00	\$2,438.00	
AVERAGE NUMBER OF BIRDS IN THE DEMONSTRATIONS 776					
AVERAGE INCOME \$799.00					
AVERAGE COST \$153.00					
AVERAGE LABOR INCOME \$437.00					
AVERAGE COST PER BIRD FOR MARKET 20¢					
AVERAGE LABOR INCOME PER BIRD 81¢					

The information summarized in this chart will be used to further this work among other boys and men another year. The information will serve as proof records for this cause.

VISUAL INSTRUCTION

Visual Instruction work for the year consisted of the use of educational motion pictures, photographs of demonstrations, and charts, and maps.

EDUCATIONAL MOTION PICTURES: Educational motion pictures were used at eight meetings. with a summary of the following.

SUMMARY OF THE USE OF VISUAL AIDS

NAME OF COMMUNITIES	NUMBER OF MEETINGS	ATTENDANCE
Wilson	3	137
Ropergrove	2	93
Clio	3	128
TOTALS	8	358

VISUAL AID INSTRUCTION HAVE PROVEN VALUABLE IN TEACHING OF IMPROVE PRACTICES.

**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

Box 451
Bennettsville, S. C.
April 14, 1947

EXTENSION SERVICE

TO ALL FARMERS AND GARDEN GROWERS:

Dear Co-workers:

In keeping with the 1947 Better Farm Living Program in producing more food and feed. We are urging every farm families and garden growers to follow the best practices in producing more in 1947.

1. Prepare now, if you have not done so already for annual grazing crops, or for roughage, pearl millet or sudan grass broadcasted and cut when about 16 to 18 inches high has proven to be very good hay when cured. This will also furnish good grazing.

2. Early control of boll -weevil.

3. Care of Farm Machinery: The farmer can create a very serious problem if proper care is not given to the machinery on hand. Every farmer should check his equipment often, lubricate often, clean all parts after using.

5. Prepare now to control vegetable insects and diseases with special emphasis on leaf eating insects as potato bugs, bean beetles, blisher beets, cabbage worms. Contact your local agencies for materials and get your supply early.

a

Very truly yours

J. W. Nesbitt
Negro Agri. 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

Box 451
Bennettsville, S. C.
February 1, 1947

EXTENSION SERVICE

COUNTY PLANNING CAMPAIGN FEBRUARY 3 to FEBRUARY 15, 1947

Dear Co-workers:

The year 1947 will likely be another critical year. Our county will need the undivided and aggressive support of all its people and the efficient use of all its resources. Your Extension Service needs your personal help in an effort to make the best use of all our agricultural resources to the end that South Carolina may make this a great producing year.

During the two weeks, February 3, to February 15, we are hopeful that we can stimulate all farm people to plan carefully in advance to make the very best use of every facility at their command. Here are ways you can help us.

You will be meeting your neighbors at church, at the store, in the fields, and at neighborhood and family gatherings. Urge them to use these two week and attend the meeting held nearest to you to make plans for 1947.

Very truly yours

J. W. Nesbitt
Negro Agri. Agent

POTATO GROWERS

It is important that potato growers give more attention to seed selection, because the foundation or basis for growing high quality potatoes is good seed stock. High quality potatoes will sell at a good price at any time, while from now on, it is going to be hard to sell just potatoes. Therefore we should think about seed selection at digging time and not at bedding time due to the fact several important steps in selection should be done at digging time.

The following steps should be followed at digging time:

1. Save seed from vine cutting or "Cut Sprouts."

2. Do hill selection, that is, save seed from high producing hills, having three or more No. 1's per hill. Keep only No. 1 size potatoes for seed stock.

3. Also, do selection for good copper-colored skin and good shape. Discard all mutations.

4. Jumbo potatoes make good seed stock. They will not produce as many sprouts as small potatoes, but the sprouts will be stronger and more vigorous than the sprouts coming from small potatoes.

Peach Tree Borer Control

Paradichlorobenzine will control peach borers if used properly. Directions will come with each package.

J. W. Nesbitt

Negro Agricultural Agent

MDM CLUB TO GIVE

Urges Farmers Produce More And Save More

Food prices are continuing to increase and with reference to these factors we are urging all of our farmers to produce more and save more. First, don't neglect that fall garden. Remember shogoin turnips and tendergreen or mustard spinach will grow quick greens. You still have time if you sow them immediately to have greens from these two vegetables before very cold weather. Both of these vegetables are vigorous growers and shogoin is resistant to plant lice. Kale is one of the hardiest crops we have for greens, seeds sown now will supply the kitchen from November until well into the spring.

Second. Small grain for winter grazing should be seeded immediately with a heavy application of fertilizer per acre. We are hoping that farmers will follow the best recommended practices, use certified seed and treat seed before planting.

J. W. Nesbitt
Negro Agricultural Agent

Get in touch with your State Employment Service Office, corner of Main and Liberty street when you have jobs to fill.