

PROPERTY OF
EXTENSION SERVICE
OF SOUTH CAROLINA

ANNUAL REPORT

COUNTY AGENT WORK

MCCORMICK

County

SOUTH CAROLINA

1948

G. W. BONNETTE

County Agent

Assistant County Agent

Assistant County Agent

Farm Labor Assistant

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina

ANNUAL REPORT OF COUNTY AGENT WORK

McCORMICK COUNTY, SOUTH CAROLINA

1948

G. W. Bonnette, 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 agent spent in office -----	53
2. Days agent spent in field -----	256
3. Days agent worked -----	309
4. Miles agent traveled -----	10,399
5. Farm visits -----	420
6. Different farms visited -----	405
7. Office calls at agent's office -----	1,739
8. Telephone calls at agent's office -----	450
9. Meetings held or attended -----	97
10. Attendance at these meetings -----	1,616
11. Number communities in which extension work was conducted -----	17
12. Number farmers conducting demonstrations -----	44

PROJECT ACTIVITIES AND RESULTS

Agricultural Economics

One county-wide outlook meeting with 61 farmers attending was held, and then a series of meetings on outlook and fertilizer with 134 farmers attending. Seven farmers kept complete records in cooperation with the T.V.A. The Agent cooperated with T.V.A. on the 7 unit test demonstrations.

Agricultural Engineering

The Agent cooperated with Soil Conservation Service and supervisors of the Savannah Valley Soil Conservation Districts. 299 farms are under agreement. The following practices were established: 900 acres approved rotation, 50 acres in strip cropping, 46 acres in kudzu, 12 acres in Sericea, 150 acres of improved pastures, 120 acres trees planted and 950 acres terraced. 56% of the planned practices were carried out.

Farm building plans were furnished for 15 hay curing racks, 4 cattle feeding sheds, 2 breeder houses, 5 hog self feeders, 1 hog house, 22 outdoor brooders and 18 plans for homes.

Worked with R.E.A., farm machinery and irrigation under-ground and overhead.

Agronomy

Twelve farmers completed 5-Acre cotton demonstrations producing an average of 683 pounds of lint cotton per acre. County Agent assisted in securing improved seed. 5 completed corn demonstrations on Hybrid Corn. 3 completed oats demonstrations with an average of 46 bushels per acre compared to 16 bushels county average. 2 demonstrations were completed with wheat with an average of 28 bushels per acre at a cost of \$1.00 per bushel. 1 completed demonstration with barley with an average of 40 bushels per acre. 2 completed demonstrations of lespedeza for hay with an average of 1.7 tons per acre. 3 completed demonstrations on lespedeza for seed with an average yield of 542 pounds per acre. One demonstration on oats and vetch for hay with an average yield of 1.4 tons per acre and at a cost of \$14.00 per ton. 1 demonstration on crimson clover

for seed with an average of 306 pounds per acre. 175 farmers assisted in purchasing 33,000 pounds of legume seed. 1 demonstration on Hegari for seed with an average of 40 bushels per acre and 1 demonstration on Soybeans for seed with an average of 12 bushels per acre. Worked with T.V.A. pasture demonstrations.

Animal Husbandry

Placed 4 purebred boars. Placed 3 registered Hereford bulls. Treated 602 hogs for cholera. Completed several demonstrations in worming pigs, calves, and sheep. Several cows treated for mineral deficiency. All beef herds are headed by good bulls.

Dairying

6 purebred De la Howe dairy bull calves were placed to help build up creamery. Assisted farmers in marketing cream through local cream station to value of \$4,518.39. This was about 100 increase over 1947.

Entomology and Plant Pathology

Publicity cotton seed treatment. Treated cattle for lice, chinch-bug outbreak with specialist as aid in control. County-wide boll weevil measures placing 7,000 gallons of molasses, 2,000 pounds of arsenate and approximately 10 tons of B.H.C. and Toxaphene with farmers. Small grain seed treatment of smut. Sprays for home orchards. Rotonone dust for beetles. "Pyrocide Dust" for Harlequin bug control. Fence post treated with zinc chloride. Worked with screw worm control. Assisted farmers in having 1,915 animals treated for contagious diseases. Worked with bees. 1 demonstration on requeening, placing 2 queens. Many farm visits to treat sick animals by Farm Agent.

Four-H Club Work

Five community clubs organized with 79 members, 48 of which completed demonstrations producing farm products with value of \$5,871.55 and showing a profit of \$3,309.09. Four delegates attended 4-H Conservation Camp at Camp Long. About 37 boys and girls attended Camp Bob Cooper as scheduled. Exhibits at the State Fair, Greenwood County Fair and Local County Fair.

Forestry

Publicity to selective cutting, thinning and marketing. Several tree planting demonstrations were held. A well organized system of fire fighting prevails in McCormick County as arranged by "Forest Ranger" and farmers.

Horticulture

Home garden major objective, with much emphasis on sweet potato growing. Home orchards stressed as a source of food to can and dry. One manure-heated hotbed record completed.

Marketing

Assisted farmers in marketing surplus farm products to the value of \$26,524.81 and assisted in purchasing \$18,227.89. Grading of eggs and sweet potatoes.

Poultry

Six vaccination demonstrations for chicken pox given. Assisted poultry farmers in feeding methods, culling, housing and other common troubles. Demonstrations with "glasses" on hens to check cannibalism.

A. A. A. Activities

Conducted educational program. Assisted with planning and administering program in county. Total money allocated \$15,000.00 and total money used \$15,000.00.

Miscellaneous County and Community Activities

Lions Club: The Agent is Vice-President of the Lions Club.

Business Men's Club: Active member of organization.

Polio: County Chairman of drove.

Chamber of Commerce: Member.

Athletic Association: Member.

Publicity

Total of 482 individual letters written, 13 circular letters with 3,262 copies mailed. 32 press articles published and 338 bulletins distributed.

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

1. County Agricultural Committee

a. The members of the County Agricultural Committee were selected by farmers, the County Farm Agent and the Home Demonstration Agent as leaders in their respective communities. Executive committee was elected by members of the County Agricultural Committee.

b. Names and addresses of members:

<u>Name</u>	<u>Address</u>
Mrs. J. W. Bracknell	Plum Branch, S. C.
Mrs. D. J. McAllister	Mt. Carmel, S. C.
Mrs. J. F. Buzhardt	McCormick, S. C.
H. O. Watson	Mt. Carmel, S. C.
R. H. Pettigrew	Mt. Carmel, S. C.
S. L. Britt	McCormick, S. C.
Mrs. J. R. Hadsock	McCormick, S. C.
J. L. Bracknell	Plum Branch, S. C.
J. T. Creswell	McCormick, S. C.
William Hanvey, Vocational Agriculture Teacher	McCormick, S. C. McCormick Hi School
P. J. Dowtin	McCormick, S. C.
J. C. Fleming	McCormick, S. C.

The executive committee is composed of Mrs. J. W. Bracknell, P. J. Dowtin, S. L. Britt, H. O. Watson and B. W. Crouch.

c. It is the duty of the County Agricultural Committee to study the present agricultural situation in the county, and to assemble current data on the agricultural status of the county. On the basis of their study and the information at hand, it is the duty of this committee to establish goals for the future of agriculture in the county and to formulate a program of work designed to attain the goals established for the future. It is also the responsibility of the committee to acquaint the people of the county with the present situation, the established goals for the future, and the plan for attaining them.

2. Community Agricultural Committees and Neighborhood Leaders

a. Names of communities and neighborhoods organized, giving number of leaders in each:

Meriwether Community:

Meriwether ----- 5 leaders

Parksville Community:

Parksville ----- 4 leaders

Modoc Community:

Modoc ----- 3 leaders

Clarks Hill Community:

Clarks Hill -- 1 leader

Plum Branch Community:

Plum Branch ----- 15 leaders

Dowtin Community:

Dowtin ----- 6 leaders

Chestnut-Ridge Community:

Chestnut-Ridge ----- 4 leaders

Sandy Branch Community:

Sandy Branch ----- 6 leaders

Wideman Community:

Wideman ----- 1 leader

Bordeaux Community:

Bordeaux ----- 1 leader

Mt. Carmel Community:

Mt. Carmel ----- 7 leaders

Callison Community:

Callison ----- 5 leaders

Bethany Community:

Bethany ----- 4 leaders

McCormick Community:

McCormick ----- 9 leaders

Buffalo Community:

Buffalo ----- 4 leaders

Youngs Community:

Youngs ----- 5 leaders

Willington Community:

Willington ----- 9 leaders

3. Outline map of County Showing Location of Organized Communities, Neighborhoods, and Leaders Attached.

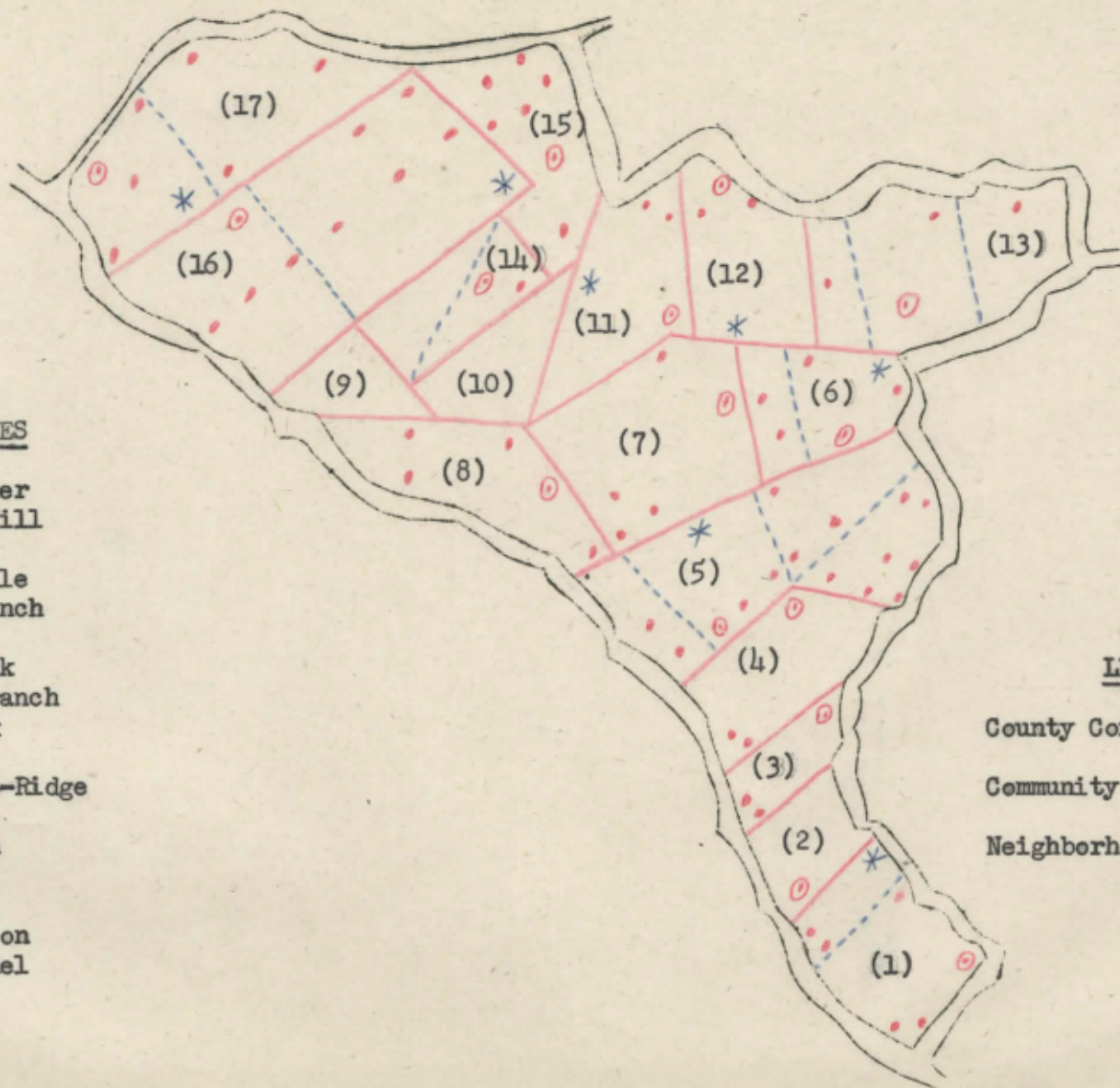
4. List of different programs or campaigns handled through voluntary leaders in 1948:

a. Home Gardens were talked by all agencies and volunteer leaders. The Neighborhood Leaders, all H. D. Clubs, and many individuals helped to interest neighbors and friends in a Garden. Bulletins, news articles, and radio broadcasts were used to promote this enterprize. We showed two garden pictures to each of the nine communities in our campaign for better gardens.

b. Liming Program for 1948 was good. The number of tons used were about 285. Voluntary leaders and committeemen helped in securing orders and encouraging the use of this material. Many leaders gave their success with lime, passed on information furnished by the Agent, and in general passed on the payments offered by AAA for the use of lime. Circular letters, personal visits, news articles, and radio talks were used as help to leaders and individuals. The AAA program was short of funds and was not able to fill all purchase orders on lime.

c. Red Cross Drive: With the help of Community Leaders the County Agent, who was Vice-County Chairman of the Red Cross Drive, was able to put McCormick over the top. Circular letters, news articles and posters helped carry the news.

3. Outline map of County Showing Location of Communities and Neighborhoods.



COMMUNITIES

- (1) - Meriwether
- (2) - Clarks Hill
- (3) - Modoc
- (4) - Parksville
- (5) - Plum Branch
- (6) - Bethany
- (7) - McCormick
- (8) - Sandy Branch
- (9) - Bordeaux
- (10) - Wideman
- (11) - Chestnut-Ridge
- (12) - Downtin
- (13) - Callison
- (14) - Buffalo
- (15) - Youngs
- (16) - Willington
- (17) - Mt. Carmel

LEGEND

- County Committeemen - *
- Community Leader - ⊙
- Neighborhood Leader - ·

d. Seedling of small grain is reaching a high acreage on McCormick County Farms. Local neighborhood leaders did their part in passing on information, contacting farmers with machinery in order to help the shortage of labor problem that had a definite hearing on this problem. Good seed were obtained through the Agent's office for many hundreds of acres. Several community leaders helped secure seed for his section. As of this date, little check can be made on results as many acres are not planted. J. L. Bracknell ordered lots of seed to be planted in his community. Marked interest in treating seed for smut and fertilizing when planting was shown. Fair yields of small grain in May and June were harvested. Rain for several weeks has hampered planting. Farmers are making every effort to get this crop in the ground early in 1948. Many more new tractors are now on our farms.

e. Farm Labor: Most of our county is rural, and since our main money crop is cotton the greatest problem that confronted labor was chopping and harvesting cotton. Harvesting of small grains and winter hay were problems this year. Some increase in farm machinery has helped overcome labor shortages.

f. Winter Legumes: The farmers in the county have done an outstanding job in planting large acreage of winter legumes, but was in a mixture used as grazing crops.

5. The Nutrition Program was carried to the families by the Home Demonstration Agent. The County Agent met with the County Nutrition Committee and helped make plans for diets. Home Gardens, poultry, eggs, fish and a well balanced meal was some of the things necessary to good health. All uses of the County Health Department were to be used in furthering the health of the rural families. Sanitation was to be watched by all Agents.

6. Food and Feed Production: Work on this program consisted of the following:

a. Corn: The County Agent has put emphasis on better seed corn and increased yields by better fertilization and planting and cultivation. Larger acreage with increased yield to be used for food and feed was the goal.

b. Wheat: Our county planned for better seed, larger yields, and more acreage. As a result, McCormick County has increased acreage from 224 acres in 1929 to 1,286 acres in 1944. About this same amount will be planted in 1949 if weather permits.

c. Oats, Rye, Barley for Feed: Oats and barley have been a slightly increased to be used as chicken feed and feed for beef cattle, but rye has made very little increase. Better seed, seed treatment and early planting had much to do with increasing the yields. Rainy weather has slowed down planting but we plan to go ahead when permitted.

d. Home Gardens were discussed in every meeting, many circular letters, and news articles; and, as a result, our county has the best gardens in the history of the county. Green patches were stressed for winter; and, as a result, we have some of the best turnips and rutabagas that I have seen in many years. This was due to a great extent to a most favorable season.

e. Sweet Potatoes: Many of the 300,000 potato plants grown and sold were used in the county; and, as a result, we are storing an abundance of sweet potatoes. I'm afraid that this crop has been damaged by staying in field too long.

f. Irish Potatoes: We grow very few Irish potatoes, but small patches are included in all garden plans.

g. Cane for Syrup: We had a fair yield of sorghum for syrup this year. The number of syrup mills repaired, the number of gallons canned, and containers bought will show that our home supply will be sufficient.

h. The number of hogs has been increased, but due to the high prices many were sold instead of being kept for home use; however, they are still food for the Nation. Small pigs are plentiful at this season of the year. Early pig prices were very high. Most shortages caused more families to butcher this year for home use. Early butchering of average size hogs encouraged as making large hogs is very costly and consumers want food.

i. Milk cows have shown very little increase, but the number of heifers has greatly increased which should show a great increase in 1949, as to the number of milk cows in McCormick County. Butter and cream prices have been very good which encourages milk production.

j. There are many new hen houses of the larger type and a few under construction, which is proof that we are gradually increasing poultry and egg production. The good prices, and the demand for food stressed in every way imaginable by the County Agent, have had some results which are very gratifying. Yard management and feeding has been stressed on every occasion.

k. Better methods of curing hay and the need for more livestock and food for livestock has been stressed by the County Agent. Results are that we have many tons cured again on the new curing racks. Several hundred new curing racks were used by farmers this year. Those who have tried them will never do without again.

l. Improvement of permanent pastures was urged by the Agent; and, as a result, many farmers have made improvement by clearing, seeding, liming and using T. V. A. superphosphate, and other complete fertilizers.

m. Annual grazing crops have been recommended and most of our livestock men have started using this practice as a source of winter feed. The weather this fall has been extra good. Those planting early in September got excellent grazing as early as October. Many tons of seed were ordered cooperatively through County Agent's Office.

7. Conservation of Food: Conservation of food is just as important as production and to meet the situation we have a Community Cannery and an additional potato curing house. In 1944 a cannery was secured by the Lions Club with the County Agent as chairman of the cannery committee. The Lions Club helped put agriculture back in the High School so as to have someone to supervise and run the cannery, and also to get the extra equipment furnished by the Federal Government, handed out by the Department of Education through the Agriculture Teachers. By permission, \$200.00 of the Mattress Fund was used to start the ball rolling. Result, we have a nice cannery and have canned many thousands of cans of food. At present, many animals are being canned. This cannery is now located on the McCormick High School grounds in a new building.

As County Agent I was appointed Director of "Food Conservation Progress" for Rural Areas.

I have encouraged increase in acreage of small grains by circular letter mailed to all farmers. All other suggestions will be sent by letter, news articles or any other means available.

PROJECT ACTIVITIES AND RESULTS

AGRICULTURAL ECONOMICS

Work in agricultural economics and farm management in 1948 included outlook meetings, complete farm records, cooperation with Farm Credit Agencies, and farm planning demonstrations.

Outlook Meetings: One county-wide outlook meeting was held with farm men and women present. After this meeting, the County Agent and Home Demonstration Agent held a series of Outlook Meetings with a total attendance of 146 farm men and women present in spite of bad weather.

McCormick County farm people seem to look to these meetings to give them helpful information as to how to plan their farming operations for the coming year. These meetings also impress upon them the importance of Agricultural Adjustment Programs. They have learned to a great extent the reason for changes in prices from year to year. Our Clemson Leader was very much impressed by the attendance. The leading farmers were present and showed much interest.

Complete Farm Records: In 1948, seven McCormick County farmers kept complete farm records. The results of these records, when available, will be used in connection with corresponding records from other counties having a similiar type of farming as a source of factual material for extension work in farm management and in program planning work in McCormick County. A list of the seven farmers keeping complete records is given below:

List Complete Farm Record Demonstrations - 1948

Name	Address	Size of Farm Acres	Predominant Type of Farming
R. M. Pettigrew	Abbeville, S.C., R.F.D.	277.5	Livestock, Cotton
W. L. White	McCormick, S.C., R.F.D.	636.0	Livestock, Cotton
Ken Downtin	McCormick, S.C., R.F.D.	317.5	Cotton, Grain, Livestock
L. C. Talbert	Troy, S. C., R.F.D.	198.0	Poultry, Cotton, Livestock
J. T. Creswell	McCormick, S.C., R.F.D.	232.0	Livestock, Cotton
S. O. Bouknight	McCormick, S.C., R.F.D.	307.0	Cotton, Grain, Livestock
R. W. LeRoy	Troy, S. C., R.F.D.	515.0	Hay, Grain, Livestock

Cooperation with Farm Credit Agencies: The County Agent cooperated with the McCormick County Branch of the Greenwood Production Credit Association, the Emergency Seed Loan Office, and the Farm Home Administration in their work of extending farm credit to the farmers of McCormick County.

The County Agent has throughout the year advised farmers with reference to these sources of credit and aid, and has acted in an advisory capacity to the boards of directors of the Production Credit Association and the Farm Security Administration in the development and carrying out of their plans, and aided the administrative office of the Emergency Seed Loan Office in selecting representative farmers to act as County and Community Committeement. Following is the summary of the loans made by the agencies in 1948.

Summary Loans Made by Production Credit Agencies
1948

Agency	No. Farmers	Amount
Production Credit Association	64	\$55,506.23
Farm Home Administration	105	\$21,960.00
TOTALS		\$77,466.23

Summary FHA Tenant-Purchase Loans
1939-1948

Number Loans	Amount Loaned	Amount Unpaid
10	\$30,610.00	\$21,235.37

The Farm Home Administration has 111 farm families under rehabilitation in McCormick County to be supervised. During the year the County Agent has cooperated with Mr. Gentry, County Supervisor, in furnishing agricultural information and in working out plans for these farms.

Farm Planning Demonstrations: In cooperation with the Extension Farm Management Division and the Tennessee Valley Authority, the County Agent worked out farm management plans on the farms of eight McCormick County farmers who are conducting test demonstrations on their farms in cooperation with the Tennessee Valley Authority and the Extension Service. The plans, in most cases, provided increases in the acreage of pasture and feed crops so as to increase their income from livestock and permit a more diversified system of farming.

A list of these farmers are given below:

List Farm Planning Demonstrations
Since 1939, Inclusive

Name	Address	Acres in Farm
R. M. Pettigrew	Abbeville, S.C., R.F.D.	277.5
W. L. White	McCormick, S.C., R.F.D.	636.0
L. L. Hester	Mt. Carmel, S.C., R.F.D.	285.2
J. A. Sibert	McCormick, S. C.	346.0
E. A. McCormac	McCormick, S. C.	697.0
H. O. Watson	Mt. Carmel, S. C.	520.0
D. J. McAllister	Mt. Carmel, S. C.	669.0
W. E. Crawford	Plum Branch, S. C.	161.0
J. J. Collier	Plum Branch, S. C.	86.0
K. Downtin	McCormick, S.C., R.F.D.	317.5
S. O. Bouknight	McCormick, S. C., R.F.D.	307.0
L. C. Talbert	Troy, S. C., R.F.D.	198.0
Robert W. LeRoy	Troy, S. C., R.F.D.	515.0
J. T. Creswell	McCormick, S. C., R.F.D.	232.0

This work will be continued for five years on these farms and particular attention will be paid to the incomes from these farms as the program progresses. The results of these farm planning demonstration will be placed before other farmers in the county so as to aid them in putting their farms on a sounder basis.

TVA Farm Unit Test Demonstrations

In cooperation with the Extension Service and the Tennessee Valley Authority, the County Agent established 10 unit test demonstration farms in McCormick County in 1938 and 1939. 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 is required to keep a complete farm account record, and for other reasons, six of these men have been dropped from this work. However, during 1944 we had four additional farmers to set up Unit Test-Demonstration Farms. These men were selected because of size of business, type of farming, locality, and willingness to cooperate. TVA ammonia nitrate and super-phosphate have been furnished these men for use with designated crops or fields. Where the five-year set up which started in 1938 has been carried out, a new set up has been planned for the next five years.

A summary of the acres of perennial legumes and permanent pasture together with the amounts of TVA phosphate and lime used on Test-Demonstration Farm in McCormick County in 1948 is given on the following page.

On the pages following is a comparison of Unit Test-Demonstrations.

Farms of McCormick County in 1948

<u>Farm Number</u>	<u>Unit Test-Demonstrator</u>
1	S. O. Bouknight
2	J. T. Creswell
3	Ken Downtin
4	R. W. LeRoy
5	R. M. Pettigrew
6	L. C. Talbert
7	W. L. White

MATERIALS AND USE
(Superphosphate)

Name	Material Received	Acres Pasture Treated	Acres Annual Grazing	Annual Lespedeza (Acres)	Perenials
R. H. Pettigrew	3,800	0	4.5	21.5	
W. L. White	5,400	27.0			
Ken Downtin	5,400	27.0			
J. T. Creswell	3,000	4.5		18.0	
R. W. LeRoy	5,400	4.0		9.6	13.5 Kudzu
L. C. Talbert	3,000	0	2.5	37.9	
S. O. Bouknight	4,500	0	10.8	5.1	6.6 Sericea

Seven of our T. V. A. Demonstrators used 30,500 pounds of superphosphate as shown above. The second column is in pounds and all the other columns of figures are in acres. This material was used in 1947 and is showing up well in our program of pasture improvement and annual grazing. The T. V. A. did not furnish any material in 1948.

A Comparison of Unit Test-Demonstration Farms of		McCormick County, 1947				
Item	(1)	(2)	(3)	(4)	(5)	
Labor income, dollars	886	1145	848	852	6736	
Receipts, dollars	5765	2707	11694	3949	21598	
Expenses, dollars	5682	960	9922	2546	13289	
Farm income, dollars	83	1747	1772	1404	8309	
Farm income per \$100 invested, dollars	1	23	8	10	21	
Receipts per \$100 invested, dollars	24	36	51	29	55	
SIZE:						
Crop acres	146	89	204	71	200	
Crop acres and open pasture	173	197	264	121	240	
Total acres in farm	306	232	575	515	380	
Acres of crops	198	96	204	141	306	
Investment	24215	7561	23120	13793	39322	
Work animals	2.0	3.0	5.0	3.0	4.5	
Man-work units, total	638	554	1174	373	1450	
Animal units productive	11.0	5.2	33.3	25.7	64.0	
PRODUCTIVITY:						
Crop yield index	91	100	108	135	144	
Cash crop yield index	84	110	132	---	159	
Lint cotton per acre, pounds	105	319	442	---	478	
Yield corn per acre, bushels	5	18	18	25	26	
Yield oats per acre, bushels	24	23	30	40	40	
Yield wheat per acre, bushels	15	10	15	25	23	
Yield hay per acre, tons	.5	1.2	.8	1.0	1.0	
Yield barley per acre, bushels	---	---	---	---	45	
Dairy sales per cow, dollars	20	0	0	105	0	
Income per sow, dollars	0	0	0	0	424	
Egg income per hen, dollars	0.52	0.50	4.57	5.58	0	
LABOR EFFICIENCY:						
Man-work units per man	208	125	187	249	120	
Percent work done by sharecroppers	42	74	60	0	34	
Horse-work units per horse	108	115	97	39	124	
LAND EFFICIENCY:						
Percent of farm in cropland and open pasture	57	85	46	23	63	
Acres of crops per cultivated acre	1.36	1.08	1.00	1.99	1.53	
DIVERSITY:						
Percent of receipts from cotton	22	48	29	0	44	
Percent receipts from livestock	0	10	39	80	31	
Acres of cropland per animal unit	13.3	17.0	6.1	2.8	3.1	
Acres of open pasture per A.U. (cattle)	3.5	24.1	2.3	2.2	.7	
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:						
Milk cows	4.0	2.0	1.0	6.0	2.0	
Other dairy cattle	4.5	3.5	0	3.5	1.0	
Beef cows	0	.5	16.5	9.0	49.0	
Other beef cattle	0	0	17.0	14.5	3.0	
Brood sows	1.0	.5	0	.5	6.0	
Other hogs	4.0	2.0	4.0	0	36.0	
Hens	225	35	600	193	107	
Other poultry	2	0	0	0	0	

A Comparison of Unit Test-Demonstration Farms of		McCormick	County, 1947		
Item	(6)	(7)	()	()	()
Labor income, dollars	3349	476			
Receipts, dollars	14793	5887			
Expenses, dollars	10843	5650			
Farm income, dollars	3950	237			
Farm income per \$100 invested, dollars	26	1			
Receipts per \$100 invested, dollars	98	33			
SIZE:					
Crop acres	93	139			
Crop acres and open pasture	121	219			
Total acres in farm	190	636			
Acres of crops	113	164			
Investment	15019	17823			
Work animals	2.0	4.0			
Man-work units, total	735	792			
Animal units productive	29.8	35.4			
PRODUCTIVITY:					
Crop yield index	112	128			
Cash crop yield index	136	129			
Lint cotton per acre, pounds	395	407			
Yield corn per acre, bushels	15	22			
Yield oats per acre, bushels	30	30			
Yield wheat per acre, bushels	20	20			
Yield hay per acre, tons	.8	1.2			
Yield barley per acre, bushels		40			
Dairy sales per cow, dollars	0	0			
Income per sow, dollars	0	0			
Egg income per hen, dollars	6.96	0.78			
LABOR EFFICIENCY:					
Man-work units per man	113	110			
Percent work done by sharecroppers	53	61			
Horse-work units per horse	84	79			
LAND EFFICIENCY:					
Percent of farm in cropland and open pasture	64	34			
Acres of crops per cultivated acre	1.21	1.18			
DIVERSITY:					
Percent of receipts from cotton	23	47			
Percent receipts from livestock	72	39			
Acres of cropland per animal unit	3.1	3.9			
Acres of open pasture per A.U. (cattle)	1.7	2.4			
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:					
Milk cows	2.0	1.0			
Other dairy cattle	5.5	0			
Beef cows	9.0	28.5			
Other beef cattle	8.5	7.0			
Brood sows	0	0			
Other hogs	1.0	5.5			
Hens	1200	79			
Other poultry	0	2			

Summary Permanent Pasture Demonstrations

Name	Acres	Year Started	Soil Type	Soil Test P.H.	Degree of Erosion	Mechanical & Engineering Preparation	Fertilizer Used	No. Animal Units Grazed	Grasses Seeded	Date Grazing Began and Ended
W. L. White	94.0	?	Applying Davidson	5.6	Slight	Terraced	Phos. Lime	Not grazed to capacity	Lesp. Dallis	April 15 to Oct. 15
L. L. Hester	67.5	?	Cecil	5.4	Slight	None	Phos. Lime	Not grazed to capacity	Bermuda Lesp.	April 15 to Oct. 15
D. J. McAllister	104.0	1939	Iredell	6.0	Slight	Terraced	Phos. Lime	Not grazed to capacity	Lesp. Dallis	April 15 to Oct. 15
R. M. Pettigrew	36.4	1939	Iredell	5.9	None	None	Phos. Lime	Not grazed to capacity	C.Clover Dallis	April 15 to Oct. 15
E. A. McCormac	54.0	1939	Cecil	5.5	Slight	Terraced	Lime. Phos.	Not grazed to capacity	Bermuda Dallis	April 15 to Oct. 15
H. O. Watson	87.0	?	Irdell	6.0	None	None	Phos. Lime	Not grazed to capacity	None	April 15 to Oct. 15

Permanent Pastures; A campaign for the establishment and improvement of permanent pastures in McCormick County was launched in 1939. As a result, many farmers now realize to some extent the value of a good permanent pasture. These farmers with livestock particularly are becoming more and more interested in pasture improvements.

Six result demonstrations were conducted in connection with the T.V.A. unit-test program, a summary of which is given above.

The W. L. White pasture is in excellent shape, having received every attention. It was visited by the Committee from the State Legislative Body about 3 years ago. The De la Howe pasture started by E. A. McCormac is also in excellent condition having received additional lime and phosphate last year. One demonstration at S. O. Bouknight's farm is showing very good results. The four new T.V.A. cooperators are setting-up some good pasture demonstrations. The Pettigrew farm has made big changes in the last 9 years. Pastures are much improved, yield of cotton runs over one bale per acre, (9 bales on 5 Acres for 1948 cotton contest), Lespedeza, crimson clover, meadow fescue, Blue Grass, and Ladino Clover along with splendid winter grazing can be seen on this farm. Reseeding crimson clover and Rye grass is affording very good grazing. We are expecting many excellent reports from these farms on winter grazing.

AGRICULTURAL ENGINEERING

Soil Conservation

Soil Conservation work for the year was in cooperation with the Savannah Valley Soil Conservation District, which includes McCormick County. The Soil Conservation Service is cooperating with the district and two technicians are assigned to this county. Soil conservation meetings and demonstrations are planned and held in cooperation with the Soil Conservation Service technicians working in the County.

District Farm Plans: During the year 46 district farm plans have been prepared by the Soil Conservation Service technicians working in the County. This brings to a total 299 farm plans in the County. Soil Conservation Service technicians estimate that 56% of the Soil Conservation practices planned on these farms have established.

Terracing: There is one power terracing unit operating in the county by and individual, supervised by the County Agent and the Soil Technician. This year 300 acres were terraced for 15 farmers with this equipment. This brings to a total of 3,700 acres which has been terraced with power units for 191 farmers since the beginning of the terracing program in the spring of 1944 and continued through 1948.

Farmer Built Terraces: In addition to the above terracing program 1,600 acres have been terraced on other farms by farmers with their own farm equipment. Regular farm tractors were used pulling from 2 disc to 6 disc-tillers. The smaller outfits made very good terraces, but it takes many more rounds to complete a terrace with this equipment. All terraces will meet specifications.

Wide-spread Establishment of Soil Conservation Practices: During the winter and spring months the County Agent cooperating with the Soil Conservation district and soil conservation technician in the county held 1 community meeting on the establishment of soil conservation practices in addition to farms under district agreements. A Kudzu order, sericea lespedeza order and seed for winter grazing was ordered cooperatively by farmers. This was done in assistance of County Agent.

Meetings, Tours, Demonstrations: During the year community meetings were held to explain to the farmers what assistance they could receive through the soil conservation district program. To further the soil conservation program 1 field meeting was held and 2 method demonstrations were conducted in the establishment of soil conservation practices. County and community tours were held in which 10 farms were visited where established soil conservation practices were observed. Field meetings on terrace maintenance, establishing waterways and pasture improvement were held in connection with this program. Radio broadcasts, news articles, and farm tours were held in the promotion of soil conservation practices. Grazing school with 50 farmers attending and grazing seeding demonstration were held in cooperation with County Agent.

Summary of Soil Conservation Work: The tables on the following pages give a summary of (1) Extension Educational Activities, (2) Extension Demonstrations in establishing soil conservation practices, and (3) A summary of all soil conservation practices established in the county during the year.

Soil Conservation Report Form No. 1

Educational Activities, Soil Conservation

McCormick County

December 1, 1947 -- November 30, 1948

	<u>Number</u>	<u>Attended</u>
1. Monthly group conferences agricultural workers	<u>8</u>	<u>140</u>
2. Community educational meetings held within districts	<u>1</u>	<u>20</u>
3. Method demonstrations (establishing practices)	<u>12</u>	<u>96</u>
4. Meetings at result demonstrations	<u>4</u>	<u>26</u>
5. County agents assist farm planning	<u>1</u>	<u>3</u>
6. Informational circular letters	<u>0</u>	<u>0</u>
7. Informational news articles	<u>40</u>	<u> </u>
8. Soil conservation exhibits	<u>10</u>	<u> </u>
9. County agents meeting with district supervisors	<u>3</u>	<u>36</u>
10. District conservation programs with 4-H Clubs	<u>5</u>	<u>80</u>
11. Annual meetings of county associations	<u>0</u>	<u>0</u>
12. County or community meetings held on soil conservation district organization	<u>1</u>	<u>11</u>

McCormick County petition state committee for a hearing for the purpose of asking for a division of the Savannah Valley Soil Conservation District so that McCormick County could have organization of its' own. Copy of hearing is in this report.

Soil Conservation Report Form No. 2

Extension Demonstrations Establishing Soil Conservation Practices

McCormick County

December 1, 1947 -- November 30, 1948

	<u>Number</u>
1. Perennial lespedeza (meadow strips and field plantings)	<u>1</u>
2. Kudzu (meadow strips and field plantings)	<u>1</u>
3. Strip cropping	<u>1</u>
4. Permanent pastures	<u>3</u>
5. Summer and winter annual cover crops	<u>2</u>
6. Terrace construction	<u>8</u>
7. Terrace maintenance	<u>8</u>
8. Woodlot management demonstrations	<u>1</u>
9. Forestry practices demonstrations	<u>3</u>
10. Forestry plantings	<u>4</u>

Soil Conservation Report Form No. 3

Summary of Soil Conservation Practices Established in

McCormick County During 1948

(Includes farms under district agreement, wide spread application of soil conservation practices by the district, Extension Demonstrations and other)

	<u>1948</u>
1. District farm plans	<u>46</u>
2. Approved rotations (acres in farm)	<u>900</u>
3. Strip rotations (acres)	<u>50</u>
4. Kudzu plantings (acres)	<u>46</u>
5. Lespedeza sericea (acres)	<u>12</u>
6. Pasture improved (acres)	<u>150</u>
7. Trees planted (acres)	<u>120</u>
8. Woodland improvement (acres)	<u>5,000</u>
9. Terracing (acres)	<u>950</u>
10. Tons of lime (AAA conservation material and other)	<u>286</u>
Tons T.V.A. Superphosphate	<u>0</u>
11. Contour farming (acres)	<u>950</u>
12. Winter cover crop (acres)	<u>350</u>
13. Water Disposal (acres)	<u>16</u>
14. Wild Life (acres)	<u>3</u>

Savannah Valley Soil Conservation District Hearing

At the hearing granted by the State Committee to the Board of Supervisors of the Savannah Valley Soil Conservation District, other farmers and interested parties on October 12, 1948 at 10:30 A.M. in the County Agent's Office of McCormick, S. C. the following statements were made:

W. L. White - If we have our own district it would be personal, if this is the correct word, in other words it would be our own. We would then have five supervisors which would give plenty representation in all parts of the county. At a meeting of our own supervisors we would feel a more definite obligation.

Joe Sibert - I appreciate what has been done by the former "District" but we need a program for our county so that each supervisor could help by setting an example and talking the program in his community. We might set up a cooperative program of Soil Conservation with other agencies especially the Clark Hill project.

E. L. Langley - Is there any additional cost? I have no objection and can't see why we should not have our own district.

W. L. White - Our needs and lands are as important in conservation program as any land in the United States from a natural stand point so feel like we should set up the best organization to carry out the Soil Conservation Service program.

P. J. Downtin - I think it would be better to have a district of our own as it is natural for people to take more interest in things that are closer to them. I believe this would help in community spirit.

E. C. Cheatham - We should have our own district as we want our supervisors to be an example in their community.

Thomas McComb - I believe the time is here for division. We have grown and I think we are now ready for a district of our own.

G. G. Abercrombie - If centralized we should do a better piece of work. More and more interest in conservation has been shown from year to year.

W. L. White makes a motion to request the State Committee to grant a division in the Savannah Valley Soil Conservation District giving McCormick County a district of its own. This motion was 2nd by E. L. Langley. The vote was 100% in favor of the motion.

J. M. Hemminger, supervisor was absent. The following people were present: E. C. Cheatham, P. J. Downtin, Thomas McComb, W. L. White, Joe Sibert, E. L. Langley, W. A. Mason, G. G. Abercrombie, B. W. Crouch, G. W. Bonnette and E. C. Turner.

E. C. Turner acted as chairman and G. W. Bonnette, secretary.

Farm Buildings

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

Summary Farm Building Plans Furnished Farmers

Building	Number
Hay Curing Rack	15
Cattle Feeding Shed	4
Brooder Houses	2
Hog Self Feeders	5
Hog Houses	1
Outdoor Brooders	22
Creep Feed Lots	2
Dairy Barns	2
Plans for Homes (Bulleting)	18
TOTAL	71

As lumber was so high in price and very hard to get there was very little building going on during 1948. All requests for plans were taken care of.

Care and Repair of Farm Building: Assistance was given farmers in repairing several farm buildings and making them more satisfactory.

Rural Electrification

At this time, this R.E.A. is serving the section joining Abbeville County, running on down the highway to McCormick, branching off out to the east towards the river, then the main line runs on down to Plum Branch and Parksville and Modoc. At Plum Branch a line connects on going to White Town, and another going west of Plum Branch. Short lines have been completed lately running total miles of lines up to around 100 miles for Abbeville R.E.A.

The Aiken R.E.A. has built a few lines and is working on the possibilities of other sections. They have already 35 miles of lines in this county.

Both of these cooperatives work together and the business is given the cooperative that can best serve the area. Out total R.E.A. lines will be around 135 miles up to now.

Farm Equipment and Structures

Trench Silos: There are more than one dozen silos in use in the county at the present time, several of which are trench silos. Almost one-hundred percent of the silos built in McCormick County in the last 10 years have been trench silos. There are no idle trench silos in the county today, while there are several idle upright one. A few of the old upright concrete silos are full. De la Howe has their silos full of good silage. S. L. Britt put some good silage in his upright silos this past year. Mr. Blake at De la Howe School has around 200 tons of silage of very good quality.

Farm Machinery

Lespedeza Seed Harvesting Demonstrations: One demonstration of harvesting Sericea Lespedeza seed with the modern small size combine was given in the fall of 1948. Three demonstrations of harvesting annual lespedeza were also given. A summary of these demonstrations follows:

Summary Lespedeza Seed Harvesting Demonstrations

Name	Type of Equipment	Acres	Pounds	Observation
		Harvested	Harvested	
R. M. Pettigrew	International	10	6,000	Good
S. O. Bouknight	Allis-Chalmers	3	1,200	Fair
H. O. Watson	International	15	8,000	Good

The lespedeza seed crop in McCormick County was very good this year due to the seasonable weather generally over the county August and September and fertilizer used in connection with small grain. Equipment in the county for harvesting seed is good but small acreage of small grain planted last fall in turn give smaller acreage of lespedeza. We will harvest about 2,000 lbs. of lespedeza seed in 1948 which should be about enough for planting our small grain acreages.

Irrigation Demonstrations: James Mason of Meriwether has continued to use a small overhead irrigation system with much success on his flowers and vegetables. Mr. Mason operates a small system with a hydraulic run, the water being pumped approximately 300 feet to the field. He states that he is able to keep his plants from suffering from need of rain at all times and his yield of vegetables is greatly increased. Some beautiful cut flowers are grown in this garden and are sold on the Augusta markets.

Mr. Henry Deason has a very efficient irrigation system set up with run-off water from a small fish pond. During the very dry season we had this summer he was able to have vegetables for sale most all of the time.

A few years ago a demonstration was held at the home of Mrs. D. J. McAllister on home-made cement underground irrigation tile. This tile could be made at a very low cost per foot. It seems as if we will need some from of irrigation if we expect much from our summer gardens in McCormick County.

Mrs. McAllister is one of the best gardeners in her section. She is active in H. D. Club work and is a leader in the Council of Farm Women in McCormick County. She has been very active with the Red Cross.

AGRONOMY

Agronomy work in 1948 consisted of demonstrations and educational work with each of the major agronomy projects. Summaries and results of agronomy demonstrations and work in McCormick County in 1948 follow:

Miscellaneous Activities

Fertilizer: One county-wide fertilizer, and outlook meeting was held with 57 farmers and 4 extension workers present. A. H. Ward, Miss Corner, the County Farm and Home Demonstration Agents assisted in the meeting. These subjects mentioned were covered, offering much information that could be used in our farming program for 1948.

Cotton

Five-Acre Cotton Contest Demonstrations: Twelve McCormick County Farmers who were enrolled in the South Carolina Five-Acre Cotton Staple Improvement Contest completed their demonstrations in 1948 and submitted records. A summary of these records will be given below. County prizes of \$50.00 for 1st prize and \$25.00 for 2nd prize are offered. This stimulates much interest in the 5-Acre Cotton Contest. The winners of the prize money will set up the losers to a steak supper as is the set custom here in McCormick County.

Summary Results Five-Acre Cotton Improvement Demonstrations

Contestants Name	Total Lint	% Lint	Total Value	Total Cost	Net Profit	Length Staple	Variety
Allen Pettigrew	4700	34.0	\$2,009.50	\$889.50	\$1,119.70	1 3/32	Coker's 100
D. H. Langley	3835	33.4	1,440.85	337.95	1,102.90	1 1/16	Coker's 100
J. C. Fleming	3670	33.9	1,365.20	424.42	940.78	1 3/32	Coker's 100
D. W. Downtin	3595	33.2	1,132.25	390.00	942.25	1 3/32	Coker's 100
Ray Wall	3560	37.5	1,349.20	409.25	939.45	1 3/32	Coker's 100
John Pettigrew	3420	35.5	1,304.40	513.00	791.40	1 1/16	Coker's 100
P. W. Roper	3420	34.3	1,236.00	335.97	900.03	1 1/16	Coker's 100
P. J. Downtin	3355	34.7	1,232.94	424.55	808.39	1 1/16	Coker's 100
J. M. Burriss	3210	36.8	1,173.00	353.50	819.50	1 1/16	Coker's 100
E. B. Smith	2965	34.1	1,066.15	354.75	711.40	1 3/32	Coker's 100
Hugh Strother	2750	35.0	1,237.00	395.00	842.00	1 1/16	Coker's 100
W. A. Winn	2510	32.9	910.50	438.72	471.78	1 3/32	Coker's 100
AVERAGE YIELD LINT PER ACRE -----				683 lbs.	County Average 1942 - 239 lbs.		
AVERAGE VALUE PER ACRE -----				\$257.61			

Summary Cotton Contest Demonstration Records, 1931-1948: On the following page is a yearly summary of the results of the five-acre cotton contest demonstrations in McCormick County for the period 1931-1948:

Summary Results of Cotton Contest Demonstrations, 1931--1948

Year	No. Dems.	Lbs. Lint Per Acre	Value for Acre	Cost Per Acre	Profit Per Acre
1931	6	436	\$34.69	\$21.00	\$13.10
1932	9	461	41.94	19.62	22.32
1933	4	450	45.00	22.50	22.50
1934	6	456	59.30	31.92	27.38
1935	8	457	54.62	27.88	26.74
1936	8	466	73.68	27.94	45.74
1937	5	472	53.43	26.33	27.10
1938	5	476	59.00	26.22	32.78
1939	8	783	103.23	36.66	66.57
1940	5	856	108.47	35.27	67.27
1941	3	460	106.20	30.44	75.74
1942	5	720	170.60	64.68	105.92
1943	3	703	174.00	77.33	96.67
1944	5	662	139.00	72.36	66.64
1945	13	524	116.10	57.38	58.72
1946	13	674	277.68	88.50	189.18
1947	14	497	159.00	79.58	81.28
1948	12	683	257.61	87.78	169.83

The five-acre cotton improvement contest demonstrations have been largely responsible for the interest in improved seed and the great improvement in the length of staple produced in McCormick County. Due to a very good yield and increased price our contest figures are very pleasing. However, with the large number of contestants our averages are lower.

Improved Seed: The campaign for cotton improvement through the use of improved seed was continued this year. The County Agent assisted farmers in securing pure seed direct from the breeder. A circular letter and newspaper articles were prepared on this subject. By continuing the practice each year of placing some good seed with farmers direct from the breeders, an ample supply of good seed is made available each year to the farmers at a moderate cost. More than 90% of the farmers of the county are using seed of improved varieties.

Boll-Weevil Control: Reported under Entomology and Plant Pathology.

Corn

During 1948 the campaign to increase the yield of corn per acre in McCormick County was continued. We had six demonstrations completed. Educational work consisted of newspaper articles and circular letters. A summary of the demonstrations is given below. Hybrid seed corn was used as indicated.

Summary Hybrid Corn Production Demonstrations

Name	Color	Yields Per A.	No. Acres	Total Yields	Variety Planted	Statements by Demonstrators
*W. L. White	Yellow	35	6	180	Woods S-210	Not a good stand.
W. L. White	Yellow	45	6	215	N.C. 27	Very good corn.
K. Downtin, Jr.	Yellow	55	12	660	Woods S-210	Best crop in my life.
K. Downtin, Jr.	Yellow	55	12	660	Woods S-240	Very little difference.
R. M. Pettigrew	Yellow	50	7	350	Woods S-210	Made Real Corn.
E. C. Cheatham	Yellow	35	7	245	Woods S-210	Good Corn- Poor Stand.

*W. L. White - 80 pounds in shucks weight 70 pounds on ear and 62 shelled corn.

This is an excellent shelling record to me.

Small Grains

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

Summary of Oats Demonstrations

Name	Acres	Total Yield	Total Value	Total Cost	Profit	Variety
P. J. Downtin	5	350 bu.	\$375.00	\$139.00	\$236.00	Victor Grain
L. W. LeRoy	5	200 bu.	300.00	118.00	182.00	Victor Grain
Thomas McComb	5	250 bu.	250.00	104.00	146.00	Fulgrain
TOTALS	15	46 bu. ave.		.56		

Wheat Production: Two demonstration in wheat production were completed in the summer of 1948. A summary of these demonstrations follows:

Summary of Wheat Demonstrations

Name	Variety	Acres	Yield Bushels	Total Value	Total Cost	Profit
P. J. Downtin	Redhart	5	125	\$250.00	\$140.00	\$210.00
Ken Downtin	Redhart	6	180	360.00	165.00	195.00
AVERAGE YIELD PER ACRE			28 bushels			
AVERAGE COST PER BUSHEL			\$1.00 per bushel			

This record shows that farmers conducting demonstrations made an average yield of 28 bushels per acre as compared to the county average of 5.8 bushels.

Barley Production: One demonstration in the production barley was completed. A summary of this demonstration is given as follows:

Summary of Barley Demonstrations

Name	Variety	Acres	Total Yield Bu.	Total Value	Total Cost	Profit
W. L. White	Marret's Awnless	5	150	\$275.00	\$125.00	\$150.00
AVERAGE YIELD PER ACRE			40 bushels			

From this record the conclusion is that it is profitable for farmers to produce barley for feed.

Legumes for Hay

Lespedeza for Hay Production: Two demonstrations of lespedeza for hay were completed. A summary of these demonstrations is given on the following page.

Summary of Demonstrations of Lespedeza for Hay Production

Name	Variety	Acres	Yield Tons	Total Value	Cost Production	Profit
W. L. White	Kobe	5	7	\$235.00	\$ 85.00	\$180.00
H. O. Watson	Korean	5	10	300.00	105.00	195.00
AVERAGE TONS PER ACRE -----			1.7 tons			
AVERAGE COST PER TON -----			\$11.20 per ton			

Interest in lespedeza as a hay and soil-building crop is rapidly increasing in McCormick County, and careful estimates indicate that the acreage of lespedeza grown for hay jumped from 1,500 acres in 1938 to 18,000 acres in 1947. The county Agent assisted in placing 23,000 pounds of lespedeza with 150 farmers. An estimated total of more than 30,000 pounds of seed were sold in the county in 1947, to more than 500 farmers. Many pounds of local seed were used to off-set the amount of decrease in seed handled by the County Agent. In 1948 this fesque was reduced considerably due to weather.

Oats and Vetch for Hay: One demonstration on growing spring hay was reported in 1948. This demonstration was conducted with the hope of having more information on growing feed for livestock in this section. A summary of this demonstration follows:

Summary of Demonstration of Oats and Vetch for Hay

Name	Seeding	Acres	Total Tons	Total Value	Total Cost of Hay	Profit
W. L. White	Oats & Vetch	14	25	\$750.00	\$350.00	\$400.00
AVERAGE YIELD PER ACRE -----			1.4 tons			
AVERAGE COST PER TON -----			\$14.00			

Legumes for Seed

Lespedeza for Seed Production: Three demonstrations of lespedeza/seed production were conducted in 1948. Harvesting of the seed was done by a combine. A summary of these demonstrations follows:

Summary Lespedeza Seed Demonstration

Name	Variety	Acres	Pounds Harvested	Observation
R. M. Pettigrew	Korean	10	6,000	Good
S. O. Bouknight	Korean	3	1,200	Fair
H. O. Watson	Korean	15	8,000	Good

Hegari for Seed

Name	Acres	Bushels Per Acre	Planted
H. T. Christian	4	40	June 25

Soybeans for Seed

Name	Variety	Acres	Bushels Per Acre
H. T. Christian	Yellow Orlando	3	12

Crimson Clover for Seed Production: One demonstration of crimson clover for seed was completed. Harvesting of seed was done by Thomas McComb with a Allis Chalmer's combine. A summary of this demonstration follows:

Summary Crimson Clover Seed Demonstration

Name	Acres	Pounds	Pounds Per Acre
W. E. Britt	1.5	460	306

A very few crimson clover seed are harvested in this county.

Kudzu: There are about 15 new kudzu demonstrations in the county this year, planting in all about 2,900 crowns. These demonstrations will be carefully watched and studied for future advancement in this county. In all we have about 148 acres in the county.

Legumes for Soil Building

Work with soil-building crops consisted of a campaign for more summer and winter legumes. Farmers were contacted through circular letters and press articles published in the county newspaper.

As a result the County Agent aided more than 250 farmers in purchasing cooperative the following legume seeds:

Reseeding Crimson Clover -----	1,560 lbs.
Lespedeza -----	11,000 lbs.
Sericea -----	1,200 lbs.
Crimson Clover -----	700 lbs.
Velvet beans -----	300 lbs.
White Dutch Clover -----	25 lbs.
Ladino Clover -----	60 lbs.
Soybeans -----	180 lbs.
<u>TOTALS</u>	<u>15,025 lbs.</u>

Non Legumes for Soil Building

Rye Grass -----	4,000 lbs.
Fesque -----	700 lbs.
<u>TOTALS</u>	<u>4,700 lbs.</u>

Annual Grazing Crops

An annual grazing crop is of real value to the cattle farmer as it helps cut down on feed costs, and serves as a succulent feed so needed at this time of year (Nov., Jan., Feb., Mar., April) - especially where no silage is available. This grazing was used for beef and dairy cattle. More attention was given to this crop than ever before in McCormick County. Our grazing school was a real stimulant to this part of our program.

Permanent Pasture Demonstration: (See T.V.A. Unit Test Program) We used every means to get this program before our farmers.

ANIMAL HUSBANDRY

Animal husbandry extension work in McCormick County in 1948 consisted of educational demonstration work with swine, beef cattle, sheep, horses and mules.

Swine

The program of demonstration work with hogs in 1948 included disease control and marketing hogs. 4 boars were placed during 1948. Due to the fact that farmers are receiving good prices and that a fair grain crop was produced, we have increased our hog production to a small extent.

The following is a record of the placing of purebred boars by years in the county since 1938:

Summary Placings of Purebred Boars - 1938-1948

Year	Number Placed
1938	2
1939	4
1940	3
1941	0
1942	3
1943	3
1944	2
1945	3
1946	5
1947	3
1948	4
Total placed in 11 years 32	

Miscellaneous: During the year the County Agent gave 5 demonstrations of treating pigs for worms, and organized 228 farmers into groups for the treatment of 602 hogs for cholera by a state veterinarian. Several sows were treated for mineral deficiency. Feeding hogs was discussed with hog breeders in several communities.

Beef Cattle

Beef cattle work in 1948 consisted of placing of purebred sires and purebred and grade cows and heifers.

Purebred Sires Placed: Three purebred beef bulls were placed with farmers in 1948. These three were placed individually upon the advice of the County Agent. A summary of these placings is given below:

Summary Beef Bulls Placed - 1948

Name	No. Bulls Placed	Breed	Age	Price	Whether Registered
D. J. McAllister	1	Short Horn	12 mo.	\$100.00	Yes
Luther Bowick	1	Polled Hereford	15 mo.	150.00	Yes
Ralph Ridlehoover	1	Brahma	15 mo.	300.00	Yes
TOTALS	3			\$550.00	

We have about 15 farmers growing beef cattle in this county and all herds have registered bulls with the exception of three or four which are very high grade males and mixed cows and very small herds.

Summary Beef Bulls Placed - 1930-1948

Year	Horned Hereford	Polled Hereford	Short Horn	Aberdeen-Angus	Brahma	Total
1930	0	2	0	2	0	4
1931	0	0	0	0	0	0
1932	0	0	0	0	0	0
1933	0	2	0	2	0	4
1934	1	0	0	0	0	1
1935	0	0	0	2	0	2
1936	0	1	0	2	0	3
1937	0	4	0	1	0	5
1938	1	2	0	1	0	4
1939	1	2	0	3	0	6
1940	1	0	0	2	0	3
1941	3	0	0	0	0	3
1942	3	2	0	0	0	5
1943	0	5	0	0	0	5
1944	0	5	0	0	0	5
1945	2	3	0	2	0	7
1946	2	4	0	1	0	7
1947	1	4	3	0	0	8
1948	0	1	1	0	1	3
TOTALS	15	37	4	18	1	74

As a result of extension work in the placing of purebred beef bulls with farmers, a total of 18 purebred Angus, 15 Hereford and 37 Polled Hereford and 4 Short Horn bulls have been brought in the county since 1930 or a total of 72 bulls including the one Brahma bull.

4-H Beef Calf Club Work: In McCormick County we had so little profit from our beef calf work in 1945 that my boys became discouraged. The calves cost so much and good animals were very scarce when we started to buy until we entered only 1 calf in the 1946 show and sale. In 1948 we did not enter due to high prices of calves and feeds.

We find that the competition has increased year by year at these shows and unless one has an excellent animal he is out of the picture.

Miscellaneous: The Agent owns a burdizzo instrument that he lends to farmers to castrate their calves. During the year 31 demonstrations were held in the use of this instrument. The Agent assisted beef cattle producers in having treated by the state veterinarian 608 cows for black leg and 402 for hemorrhagic septicemia. One hundred and fifty calves were also treated for worms. Three hundred cows were treated for Pink Eye.

Ten sheep were wormed with Phenothiazine. 120 cows and calves were dehorned. The Agent lends the large dehorners and the calf dehorners to farmers as requests come in. A few calves have been dehorned by the caustic stick method.

The Agent has treated around 150 cows for "mineral deficiency", using molasses and bone meal as the remedy. The animals respond quickly in most cases.

At least twenty-eight cows were treated for milk fever by the Agent. Many miscellaneous calls are made to check and treat sick animals. The veterinarian is called in many cases.

One registered Jersey calf was shown in the "Parish Show" in Greenwood by a 4-H Club member. Nice prize won. The family of Joan Christian attended the banquet in Greenwood and were very much impressed with the organization.

DAIRYING

Cream Station: The McCormick Cream Station was organized by the County Agent in 1927 and has been serving the farmers of the county satisfactorily since that time. Approximately 1,188 customers from all parts of the county have been served by the cream station during the past year. Sour cream is shipped from the station each week. This station has been of much service and value to the small producer who milks only one or two cows. This project will be pushed more and more by the Agent, if possible. This cream is sold to the Newberry Creamery.

A summary of the sales of McCormick Cream Station by months is as follows:

Summary Sales of McCormick Cream Station - 1948

Month	Lbs. Butter-fat Sold	Av. Price Per Lb. B. F.	Amt. Received By Farmers	Average No. Customers
December	334.7	61¢	\$203.25	32
January	325.2	65¢	211.27	48
February	225.6	65¢	146.57	76
March	424.4	65¢	275.71	72
April	487.5	65¢	433.67	87
May	1,166.0	65¢	750.45	171
June	646.1	64¢	431.04	115
July	890.6	64¢	569.45	154
August	705.4	64¢	450.85	140
September	603.4	64¢	384.86	113
October	697.7	60¢	418.38	110
November	385.0	58¢	242.89	70
Total	6,891.6		\$4,518.39	
Average		63¢		99

Summary 1927-1948 Sales of McCormick Cream Station

Year	Lbs. Butter-fat Sold	Average Price Per Pound	Amount Received
1927 (6 months)	6,575.0	43.0¢	\$2,690.09
1928	19,544.0	43.0¢	8,613.36
1929	22,207.0	42.0¢	9,326.98
1930	17,656.0	32.2¢	5,696.73
1931	7,453.7	20.4¢	1,696.32
1932	15,705.5	15.35¢	2,339.48
1933	16,636.9	18.4¢	2,961.09
1934	18,967.4	22.2¢	4,126.20
1935	13,545.9	24.6¢	3,277.32
1936	12,380.8	28.4¢	3,511.35
1937	13,742.6	28.6¢	3,934.46
1938	14,478.5	22.4¢	3,233.88
1939	12,063.8	21.0¢	2,529.91
1940	8,203.4	24.0¢	1,998.57
1941	7,891.7	30.0¢	2,395.11
1942	6,323.6	36.5¢	2,306.77
1943	6,256.7	43.0¢	2,697.22
1944	8,138.6	44.0¢	3,570.83
1945	9,102.8	44.0¢	4,005.86
1946	6,756.5	54.0¢	3,564.95
1947	7,679.5	59.0¢	4,445.16
1948	6,891.6	63.0¢	4,518.39
TOTALS 21½ yrs.	358,201.6	40.7¢	\$83,429.98

ENTOMOLOGY AND PLANT PATHOLOGY

Extension work in entomology and plant pathology in 1948 in McCormick County consisted of work with crop diseases, crop insects, livestock parasites and diseases, and beekeeping.

Crop Diseases

Dust Treatment of Cotton Seed: From 1936 to 1941 the following information has been recorded and is being included as information:

1936 av.	increase yield seed cotton per acre from treatment	--	39 lbs.
1937 av.	" " " " " " " "	--	75 lbs.
1938 av.	" " " " " " " "	--	449 lbs.
1939 av.	" " " " " " " "	--	265 lbs.
1940 av.	" " " " " " " "	--	255 lbs.
1941 av.	" " " " " " " "	--	229 lbs.
<u>AVERAGE</u> increase yield seed cotton per acre from treatment			-- 217 lbs.

As a result of these demonstrations about 50 percent of the cotton planted in the county is treated with Mercury dust. This year this program consisted of publicity and securing materials.

Small Grain Disease Control: McCormick County farmers have accepted small grain treatment for seed-borne diseases almost universally. A high percentage of these farmers who do not use resistant varieties treat their seed. It is estimated that at least 80 percent of the farmers of the county used smut-resistant oats, or treated their seed with ceresan, formaldehyde, or blue stone.

Insects

Boll Weevil Control: A campaign on the use of early 1-1-1 poison for boll weevil was conducted in 1948. Several circular letters were issued to all cotton growers giving instructions on poisoning methods and results. In addition, several newspaper articles were published.

This year instead of having farmers to come and meet the truck to get molasses, which necessitated a loss of many hours, I arranged to have four merchants at different towns in the county act as distributing agents. We used about 700 gallons of Black Strap Molasses. However many farmers turned entirely to the "New Dusts!"

New Dust

We called all Agriculture Agencies together and decided to push this type of poisoning. After organizing our efforts to a very extensive educational program was put on in the county. News paper articles, circular letters, circulars and individual contacts were used as tools of getting information to our farmers.

Merchants were helped to secure Dust Materials and Dusters of all types. B.H.C., Toxaphene and Chlordane were the poisons used. Mule 2 row, tractor 4 row and hand centrifical dusters were common sights in our fields.

All kinds of results were obtained, but the common belief is that where dust is applied at the right time and regular intervals that in spite of the heavy boll weevil infestation our yields were good. We had thousands of acres poisoned and will use this materials next year.

A survey of this rok was sent to L. M. Sparks, Jr., our Extension Specialist on Cotton Insects and Diseases.

Chinch Bug Control: In the Flatwoods section of McCormick County where the chinch bug has done quite a bit of damage in previous year, the Agent has done quite a bit of educational work, primarily planting corn where it will not come in contact with wheat or barley. As a result, very few cases of chinch bugs were in the county this year. Heavy damages have resulted in a few cases during the past 6 years.

Fruit Insect Control: Spray calendars, paradichlerebenzine for the borer, purchase of spray materials were some of the helps given by the County Agent to fruit growers.

Bean Beetle Control: A large number of farmers were advised in the control of Mexican bean beetles. The Agent interested a local merchant in handling a dust mixed by the extension formula, and he sold a large amount of this preparation. He also handled a small inexpensive duster as a result of the Agent's advice. We managed to keep a supply on hand at this store regardless of the scarcity this past season. White's Hardware Store is doing a good job in stocking these insecticides.

Harlequin Collard Bug: In 1942, at the suggestion of our entomologist, W. C. Nettles, the Agent ordered some "Pyroicide Dust" to control the Harlequin Bug, and arranged for demonstrations to be carried out with two farmers. This was done and splendid results were obtained. These farmers are very free in expressing what they think of "Pyroicide Dust" as a means of control. These experiments were continued in 1943 and 1944 with good results. We keep a few packages of this material in the office for farmers. In 1945, "Sabadilla" was used to a great extent with very effective results, and is gaining in popularity as a means of control.

Screw Worm Control: As a result of past educational work by the County Agent, most farmers of the county have become able to detect the presence of screw worms immediately but many have not become efficient in treating animals readily. The screw worm is present each year, mainly because farmers neglect to keep constant watch over their livestock. Timely warnings as to the prevention of infestation and the necessity for prompt treatment were given by the County Agent through news articles and discussions with farmers. Dehorning, castrating, or any flesh opening is discouraged during the season of screw worms. Benzoin and tar is used on most cases and is a common cure or treatment.

Fence Post Preservation: Continuing the study of fence post preservation on the farm of L. L. Hester, Mt. Carmel, the County Agent in an examination of the loblolly pine posts treated with zinc chloride in 1938 were in a very good start of preservation. In 1943, inspection of the 75 posts by W. C. Nettles, Clemson College, showed all posts in good condition with the exception of one very small post. Mr. Hester and the County Agent assisted with the inspection. After 9 years the inspection a few days ago shows that 11 out of 15 inspected are sound.

Animal Disease Control: The County Agent has cooperated closely with the State Livestock Sanitary Board in helping to control contagious livestock diseases in the county. Below is a summary of the animals treated in cooperation with the State Livestock Sanitary Board.

Summary Livestock Disease Control -- 1948

<u>Animal</u>	<u>Disease Inoculated For</u>	<u>No. Animals Inoculated</u>
Hogs	Hog Cholera	468
Cattle	Black Leg	620
Cattle	Hemorrhagic Septicemia	411
Dogs	Rabies	218
Cows	Bangs Disease	12
Cattle	Pink Eye	186
<u>TOTAL</u>		<u>1,915</u>

Miscellaneous: Because there is no veterinarian located in McCormick County, the County Agent is called upon quite often to diagnose diseases of livestock and suggest treatment. The County Agent made many farm visits during the year to diagnose cases and suggest treatment of farm animals.

Beekeeping

The Agent made frequent visits to the few beekeepers in the County and gave them timely advice and assistance in marketing honey. Circulars were handed out and news articles were written during the year for beekeepers' benefit.

Requeening Demonstration: One requeening demonstration showing the value of the introduction of purebred Italian queens was given during the year. A summary of this work follows:

Summary Requeening Demonstration

Name	No. Queens Introduced	Results
L. W. Bowick	2	2 lived
TOTALS	2	2 lived

The queens were ordered from C. G. Ellison, Belton, S. C. A honey shortage as shown when examining the hives, caused the owner some worry. An early spring meeting will be arranged for further work on bees. The extracting and marketing of honey and wax will be discussed then. Several of the beekeepers are getting to be very good managers. De la Howe School is buying much of our honey. Bowick sells in Greenwood and to our local people.

FOUR-H CLUB WORK

Boys' 4-H Club work was conducted in four schools in the county representing ten communities in McCormick County in 1948, with an enrollment of 79 farm boys. Each club is in charge of a local leader and regular monthly meetings are held with each club.

Summary of Enrollment: Following is given a list of the clubs and membership in each:

Summary 4-H Club Membership

Name of Club	No. Members Enrolled
McCormick Senior	8
McCormick Junior	10
McCormick Grammar	25
Plum Branch	15
Washington	21
TOTAL	79

Following is given a summary of 4-H club enrollment of boys, and yearly completions from 1930 through 1948:

Summary 4-H Club Enrollment and Completions - 1930-1948

Year	Enrollment	Completions	Per Cent Completions
1930	131	78	64%
1931	97	35	36%
1932	85	17	20%
1933	96	27	28%
1934	53	9	17%
1935	104	36	35%
1936	101	14	14%
1937	113	68	60%
1938	124	64	51%
1939	66	35	55%
1940	88	26	29%
1941	67	31	46%
1942	65	35	54%
1943	60	34	59%
1944	99	63	63%
1945	93	56	61%
1946	71	36	51%
1947	65	34	52%
1948	79	48	61%
TOTALS	1,656	766	45%

Our Completions would have run higher this year but those graduating in June and stopping school lower the percent.

Summary 4-H Club Demonstrations: On the following page is given a summary of 4-H Club demonstrations completed in 1948:

Summary Completed Demonstrations -- 1948

Demonstrations	No. Completed	Value Products	Cost	Profit
Corn	6	\$ 845.00	\$ 419.00	\$ 426.00
Cotton	4	845.00	938.00	807.00
Pigs	20	1,818.00	910.00	910.00
Garden	3	83.55	22.66	61.09
Forestry	1	325.00	171.00	154.00
Calves	15	1,955.00	1,002.00	951.00
TOTALS	45	\$5,871.55	\$3,462.66	\$3,309.09

This summary shows 45 demonstrations completed, having a total value of \$5,871.55 and produced at a cost of \$3,462.66 and at a profit of \$3,309.09.

Summary Cotton & Corn Yields by 4-H Club Boys - 1931-1948

Year	Average Bu. Corn Per Acre	Average Lbs. Lint Cotton P.A.
1931	15.5	424
1932	26.0	370
1933	25.3	308
1934	34.0	324
1935	28.8	299
1936	27.0	325
1937	33.0	350
1938	22.5	403
1939	22.4	387
1940	21.5	778
1941	16.5	332
1942	21.4	400
1943	24.0	332
1944	25.0	389
1945	40.0	456
1946	35.0	748
1947	31.0	648
1948	38.0	555
4-H Club Average	27.1	435
County Average	10.5	239

This summary shows that for 18 years 4-H club boys in McCormick County have produced more than twice the county average yield per acre in corn and well above the county average in cotton.

CALF CLUB

Dairy-Beef
(Scratch One)

County McCormick 1948

Name of Member	No. Animals	Days Fed	Grain In Wt.	Total Value	Total Cost	Profit
Billy LaGroon	1	180	300	\$125.00	\$ 69.00	\$ 54.00
John Edwards	1	270	415	140.00	78.00	62.00
Harold Brock	1	210	280	105.00	68.00	37.00
Jimmie LaGroon	1	180	275	100.00	64.00	36.00
Paul LeRoy	1	365	500	175.00	78.00	97.00
George Christian	1	365	500	129.00	70.00	59.00
John Langley	1	270	250	115.00	57.00	58.00
Edgar Seigler	1	365	300	96.00	42.00	54.00
William Rich	2	365	900	260.00	115.00	145.00
Raiford Dorn	1	180	300	115.00	62.00	53.00
Thomas Holmes	2	270	680	234.00	134.00	100.00
James Jackson	1	365	400	100.00	34.00	66.00
Charles Seigler	1	365	325	96.00	43.00	53.00
James White	1	180	250	78.00	46.00	32.00
Ralieggh White	1	180	300	87.00	42.00	45.00
TOTAL				\$1,955.00	\$1,002.00	\$951.00
Most of feed was on pastures. Greatest cost was original purchase.						

PIG CLUB

Fattening Class
County McCormick 1948

Name of Member	No. Animals	Days Fed	Gain in Wt.	Total Value	Total Cost	Profit
Raiford Dorn	2	110	560	\$140.00	\$ 71.00	\$ 69.00
Clayton Clegg	1	360	300	85.00	46.00	41.00
Malcolm Garnett	1	360	240	68.00	31.00	37.00
Donald Holloway	1	365	400	115.00	69.00	46.00
Claude Brown	1	180	300	87.00	38.00	49.00
David Dillashaw	1	210	300	85.00	34.00	51.00
Junior Lawton	1	90	200	68.00	38.00	30.00
James Robinson	1	300	350	98.00	48.00	50.00
Billy Sharpton	1	270	300	110.00	65.00	45.00
Billy Creswell	1	270	250	78.00	34.00	44.00
Samney Young	1	270	375	108.00	56.00	52.00
Joe Jackson	1	180	300	85.00	32.00	53.00
Alvin Gable	1	180	200	60.00	28.00	32.00
Ollie Wideman	1	180	250	71.00	37.00	34.00
John Bracknell	1	180	400	115.00	62.00	53.00
Billy Miller	1	240	300	81.00	34.00	47.00
Larry Bowick	1	180	250	68.00	41.00	27.00
Oneal White	1	365	450	125.00	62.00	63.00
Talmadge Brown	1	150	230	79.00	38.00	41.00
James Goff	1	180	300	92.00	46.00	46.00
TOTAL				\$1,818.00	\$910.00	\$910.00

CORN CLUB

County McCormick 1948

Name of Member	No. Acres	Yield (Bu.)	Total Value	Total Cost	Total Profit
Eugene Finley	2	80	\$120.00	\$67.00	\$53.00
Cecil Wall	2	62	\$ 93.00	\$48.00	\$45.00
Clayton Clegg	2	94	\$131.00	\$61.00	\$70.00
Ken Downtin	5	200	\$300.00	\$146.00	\$154.00
Joe Jackson	3	90	\$135.00	\$ 69.00	\$66.00
John Langley	1	44	\$ 66.00	\$ 28.00	\$38.00
TOTALS			\$845.00	\$419.00	\$426.00

Tractor Cultivated

GARDEN CLUB

County McCormick, 1948

Name of Member	Acres	Total Returns	Cost to Produce	Net Profit	Misc.
James Goff	$\frac{1}{4}$	\$36.75	\$ 8.46	\$28.29	Sold in Store
Edward Strother	$\frac{1}{8}$	18.30	5.25	13.05	Vegetables on Table
Robert Lee Gable	$\frac{1}{4}$	28.50	8.75	19.75	Home Use
TOTAL		\$83.55	\$22.66	\$61.09	

FORESTRY CLUB

County McCormick, 1948

Name of Member	Acres	
Douglas Britt	5	SEE REPORT IN FORESTRY

FORESTRY

Forestry extension work in 1948 included demonstrations in farm woodland management, selective cutting, timber estimating, planting, forest insects and marketing. Several farmers have started to work on the 5-Acre pulpwood Thinning Contest.

The Sumter National Forest included about 50,000 acres of McCormick County. There is still a great deal of good forest land owned by the farmers of McCormick County and their interest in good management is increasing rapidly. 180,000 acres out of the total acreage of 257,920 in McCormick County is in timber, or about 71%

The Agent and Extension Forester made a number of farm visits and gave advice on marketing of timber. This information proved beneficial to those farmers. Follow-up was done on last year's selective cutting demonstrations. Pulpwood marking was done for several farmers.

Fire Fighting: The Forestry Service has organized McCormick County for fire prevention. We have two fire towers with a man on each with telephone connection covering the county. The wardens and the crew foremen are paid at the rate of 45¢ per hour when fire fighting, and each member of the crew get 35¢ per hour. In McCormick we have about 8 organized crews with fire fighting tools, a truck privately owned but ready on call at the rate of 7¢ per mile for pick-up trucks and 10¢ per mile for 1½ ton trucks. I am also advised that this crew get a minimum of one dollar for reporting to a fire. This information was taken from the records of T. O. Barrett, U. S. Forestry Service, Greenwood, S. C. The rates may have changed in recent years.

The General Assembly appropriated money for the State for the prevention and suppression of forest fires. McCormick County share is to be used to pay County Ranger G. L. Sharpton. The Ranger is to organize the county into districts, then sub-divide them into communities with organized squads to fight fires. These squads are trained by the Ranger and is a volunteer service on their part. The fighting equipment is furnished by the State. Mr. Sharpton has been allowed an additional warden for 12 months each year at a salary of \$135.00 per month. We have 172 volunteer fire members. 253 bushels of cones were collected by McCormick Ranger and crew. 1,130 posters distributed, and a total of 16,700 leaflets, stickers, book marker, book matches and other materials. 38 contests with 228 taking part. 17 pictures shown with 913 attendance. Number acres protected 105,882, had only 46 fires burning over 538 acres.

Additional Forestry Projects: The County Agent ordered 133,000 loblolly pine tree seedlings for 11 farmers from Sumter Nursery. 5,000 each was a gift from Craft Paper Mills. Labor shortage decreased the number of requests. We will have some of the million trees planted by the U. S. Forest Service planted in McCormick County also.

The Agent has furnish information and given some time encourage the sale of pulpwood. Special leaflets and envelope stuffers were passed out to farmers and 4-H members. Several demonstrations on tree planting was given by Forestry Staff members and other by County Agent.

We have three farmers in the county who set cork trees in 1944. The John De la Howe School set around 1,000 cork trees. This will be watched for progress. Senator L. L. Hester planted 100 cork trees and is very anxious to see results. Mr. Jennings Gary Dorn got 15 cork trees to be used as he saw fit in promoting the growth of cork in this area. These trees have not made much showing due to dry summers, but will be checked from time to time. Miss Bell, H.D. Agent of McCormick County, had 9 individuals to plant a total of 36 black walnut trees in 1944. None of the cork trees survived as of 1948.

The following gives figures on service rendered to farms in the county:

WOODLAND EXAMINATION & MARKING REPORT
MCCORMICK COUNTY

Landowner	Woodland	Acres Marked	Assistance	
	Examination Acres		Bd. ft.	Cords
H. B. Blakely	208			
J. T. Creswell	53			
Nora & May Davis		50		152
K. Downtin	250			
Mrs. Addie E. Hagan	375			
R. W. LeRoy	350	75		136
E. P. Maxwell	334			
Daniel McKie	300			
J. A. McAllister (4)	495			
J. J. Minarik	50			
R. F. Morris, Est.	25			
L. C. Talbert	20			
W. L. White	50	20		49
TOTALS	2510	145		331

Dec. 1, 1947 - Oct. 31, 1948

We sold 36,930 standard cords of pulpwood in 1947. Much of this was due to the clearing of the way for the Clark Hill Project.

Information

In the State wide pulp wood thinning demonstration in 1946 Mr. J. L. Bracknell won first prize in the State which was \$250.00. The following is his record:

J. L. Bracknell 5-Acre Pulp Wood Thinning Demonstration

Expenses:

Total Man Hours 20 days @ \$4.50	-----	\$90.00
Two men and team 6 days @ \$12.00	-----	72.00
Loading Pulp Wood	-----	15.00
	TOTAL	\$177.00

continued:

Receipts:

10 cords of fuel wood @ \$7.50	-----	\$75.00
15 Units of Pulp Wood @ \$11.00	-----	177.00
	TOTAL	<u>\$252.00</u>
	Expenses	<u>177.00</u>
		\$ 75.00

In 1947 Mr. P. J. Downtin won 1st County prize and was the only contestant set up when I took over the work. In 1948 we should have at least three in this contest, but only one to finish due to very rainy weather. However, this 4-H member won County prize, 4-H District and State prize in the Thinning Contest and is competing for regional honors.

Copy of report and picture attached.

RECORD FIVE ACRE PULPWOOD THINNING CONTEST
1947-1948

Name of contestant Douglass K. Britt
 Mail address McCormick, S. C.
 County McCormick
 Number acres in project (to nearest $\frac{1}{4}$ acre) 5 acres
 Kind of trees Pine
 Average age of trees 30 years old
 Planted or natural stand Natural
 Number trees cut 380 per acre
 Number trees left 360 per acre

	No.	Pulp- wood Total Cost	No.	Fuel- wood Total Cost	No.	Fence Post Total Cost	No.	Other Total Cost
Number man hours, marking	: 4 :	\$1	: 4 :	\$1	:	:	:	:
Number man hours, cutting and/or sawing 1 cd. per 4 hrs.	: 80 :	\$67.50	: 175 :	\$50	:	:	:	:
Number man hours, hauling*	: 50 :	\$20.00	: 75 :	\$25	:	:	:	:
Number man hours, other (Specify: Misc.)	:	:	:	:	:	:	: 30 :	\$6
TOTAL Cost	: 134 :	\$88.50	: 254 :	\$76	:	:	: 30 :	\$6
Number cords, poles, posts	: 22 :	\$165.00	: 20 :	\$160	:	:	:	:
Used on farm (value)	:	:	: 1 :	\$8	:	:	:	:
Sold at farm (value)	: 22 :	\$165.00	: 19 :	\$152	:	:	:	:
TOTAL Sold for	: 22 :	\$165.00	: 20 :	\$160	:	:	:	:

Tax rate/acre/year forest land 24 mills

Cost of protection from fire/acre/year \$1.50

*Should include all hauling costs from stump to last point of handling by owner.

All pulpwood sold from central point on project.

(42 cords cut on 5 acres)



This picture taken on 5 Acre Pulpwood Thinning Plot of Douglas Britt. Douglas is the 4-H member of McCormick who won 1st county prize of \$25.00, the District and State winner and was in competition for sectional honors. S. L. Britt, the father, who is also on the picture is a farmer, a Clemson graduate and is much interested in all our farm programs.

HORTICULTURE

Horticultural extension work in McCormick County for 1948 included work with home gardens, sweet potatoes, and home orchards.

Gardens

Home Gardens: A campaign giving especial emphasis to home gardens, was sponsored in McCormick in 1948. Information on home gardens was presented to all farmers in the county in circular letters, newspaper articles, and at several farmers' meetings. The garden letter issued by the extension service was sent to all farmers during the year. Information on the control of insects and diseases was given to more than 400 farmers during the year. Moving pictures were shown in nine communities on better gardening to stimulate this work.

Sweet Potatoes

Sweet potato demonstrations included one manure-heated hotbed demonstration.

Manure-Heated Hotbed: One record demonstration was conducted on the operation of a manure-heated hotbed for the production of sweet potato plants. A summary of this demonstration follows:

Summary Manure-Heated Hotbed Demonstration

Name	Size of Bed	Bu. Bedded	Date Bedded	Date First Plants Drawn	No. Plants
McCormick Hi School	8' X 12'	10	Mar. 15	May 1	15,000
TOTALS					15,000

Most of these plants were used in the local community. These potato plants were from excellent seed stock.

Home Orchards

Home orchard work for the year consisted of placing cooperative orders for fruit trees, pruning demonstrations, spraying demonstrations and paradichlorebenzene treatments for the peach tree borer.

Cooperative Orders for Fruit Trees: The County Agent aided farmers in grouping and placing orders for fruit trees, saving several cents per tree for the farmers. The Agent helped in the selection of fruits and varieties to include in the home orchard to give fresh peaches over a long period of the summer.

Pruning Demonstrations: Several pruning demonstrations were given during the year to home orchardists and several to 4-H Club members and 4-H clubs.

Spraying Demonstrations: Twenty-eight home orchardists were advised in following the spray schedule and were assisted in getting the necessary spray materials through a local dealer.

Orchard Cover Crop: The John De la Howe School orchard was seeded to Austrian Winter Peas and small grain. The trees are in good shape. The fruit crop was good. Peaches seem to be very uncertain in this county as we only get one good crop about every 4 years. This fruit is killed by cold.

MARKETING

Extension work in marketing in McCormick County for 1948 consisted of work in grading and packing, and aiding farmers in the cooperative buying and selling of farm products.

Marketing of Surplus Farm Products: The County Agent cooperated with the farmers of the county throughout the year in the marketing of surplus farm products, for which there were no regularly established local markets and in the purchase of materials, seed and supplies in a cooperative way.

A good many of these products were handled for farmers who could not get them locally. It is undoubtedly true that many more farmers used these products because they were available at a reasonable price, no profit being made on any product.

The poultry and eggs are sold through a local buyer who has given good prices and who dressed for markets.

We have several local buyers who help handle small lots of hog, cattle, poultry and eggs. The Livestock Market at Augusta and Edgefield are very good outlets for our larger lots.

Our Cream Station serves as an outlet for all sour cream.

A summary of marketing work in the county during 1948 is given on the next page.

Summary Marketing Work—1948

Products	Quantity	Bought	Sold
Hegari	400 lbs.	\$30.00	\$30.00
Pyro Louse Powder	24 lbs.	12.00	12.00
Crimson Clover (Reseeding)	1560 lbs.	1,014.00	
Crimson Clover (Common)	700 lbs.	210.00	
Hogs and Pigs	200 head		10,000.00
Poultry	10,000 lbs.		2,900.00
Cream	6,891.6 lbs.		4,518.39
Kobe Lespedeza	2,000 lbs.	460.00	
Koream Lespedeza	4,000 lbs.	560.00	
Purebred Bull Calves	3 head	550.00	
BeefCattle	100 head	8,000.00	
Purebred Dairy Bull Calves	15 head	45.00 (Baby Calves)	
Fruit Trees	24 trees	6.96	
Barley	50 bu.	62.50	62.50
Cotton Seed	4,500 lbs.	270.00	
Cotton Seed	3,500 lbs.	420.00	
Soybeans	25 bu.	100.00	75.00
Velvet Beans	5½ bu.	35.00	
Cane Seed	3,000 lbs.		210.00
Seed Corn	50 bu.	100.00	
Corn	2,000 bu.	3,460.00	
Calcium Arsenate	2,000 bu.	180.00	
Molasses	7,000 gal.	2,800.00	
Wheat for Seed	70 bu.	200.00	
Queen Bees	2	2.00	
Fowl Pox Vaccine	1,500	18.50	
Ladino Clover	40 lbs.	80.00	
Alta Fescue	490 lbs.	245.00	
Italian Grass	3,450 lbs.	3,205.00	
B.H.C. & Toxaphene	10,000 lbs.	2,000.00	
Crotalaria	80 lbs.	16.00	
Dallis Grass	50 lbs.	35.00	
Cyanamid	1,500 lbs.	60.00	
Sweet Potato Plants	5,100 plants	17.85	
Ammonia Nitrate	30,000 lbs.	1,770.00	
Nitrate of Soda	10,000 lbs.	560.00	
TOTALS		\$26,524.81	\$18,227.89
Total Value of Products Bought and Sold			\$44,752.70

POULTRY

Extension work with poultry projects in McCormick County in 1948 consisted of vaccination demonstrations, broiler demonstrations, worming hens, culling and marketing.

Vaccination Demonstrations Of Poultry: Records were kept on 9 vaccination demonstrations for chicken pox in 1948 and the results checked. A summary of these demonstrations follows:

Summary Poultry Vaccination Demonstrations

Name	No. Birds Vaccinated	No. Cases Fowl Pox	No. Birds Died
P. J. Dowtin	1,200	0	2
W. C. Strom	1,000	0	1
W. E. Sheppard	100	0	0
M. E. Boozer	50	0	0
Joe Sibert	400	0	0
Ken Dowtin	600	0	0
TOTALS	3,350	0	3

Poultry vaccination for chicken pox has become a standard practice in McCormick County, as farmers have found that the practice will prevent the disease and enable them to carry healthy vigorous layers throughout the winter with less trouble from roup and other diseases. Quite a few farmers have learned to vaccinate their own flocks. Some vaccination is done by feed salesmen, hatcheries and Vocational Agricultural Teachers. A summary of 15 years of vaccination demonstrations in McCormick is given as follows:

Summary Poultry Vaccination Demonstration 1933-1948

Year	Number Demonstrations	No. Birds Vaccinated	No. Cases Chicken Pox	No. Birds Died
1933	3	940	0	0
1934	7	4,950	0	0
1935	7	1,760	0	0
1936	22	4,482	0	66
1937	10	2,260	0	14
1938	12	1,651	0	14
1939	6	1,073	0	1
1940	3	310	0	0
1941	8	1,527	0	1
1942	10	1,640	0	3
1943	8	1,785	0	0
1944	7	1,735	0	1
1945	6	1,850	0	3
1946	6	2,800	0	12
1947	9	3,700	0	8
1948	6	3,350	0	3
TOTALS	130	35,813	0	126

Vaccine is ordered through the County Agent's Office and any information given when needed.

Other Poultry Activities: The ordering of baby chicks, care and feeding of baby chicks, feeding of laying hens, and the combat and protection given against diseases are jobs that arise that the Agent gives much attention.

The Culling of the farm flock is a regular practice and a job that is being done by neighborhood leaders that have had the training. The County Agent is called on to cull in many cases.

Grading of eggs in connection with the marketing of eggs which are sold through the Greenwood Cooperative Marketing Association and to private buyers of the same city is a common practice.

Mr. L. W. Bowick, after attending the Egg Grading School, proved to be an excellent egg buyer. J. W. Bracknell of Plum Branch, a local buyer, is marketing eggs through the Augusta trade. Most of our eggs move out through Greenwood Markets. Several peddlers canvass the county at regular intervals.

Hens Wear Glasses to Stop Cannibalism: We have a three year on flock and a four year test on one flock where "glasses" have been used to prevent cannibalism. Both tests gave perfect results.

Mr. L. D. Blake of John De la Howe has the only Hatchery in the county. He has done a very good job suppling our local needs but has moved and I do not have the total number sold or the record on his flock. The flock at De la Howe is going much to solve the egg problem at the school.

4-H Poultry Club Work: Reported under Boys' 4-H Club Work.

A. A. A. ACTIVITIES

Following is a summary of the educational activities of the County Agent in connection with the A.A.A. Program in McCormick County during 1948:

Summary A.A.A. Educational Activities - 1948

Days devoted to A.A.A. activities -----	9
Number of education meetings held -----	12
Attendance of farmers and others -----	218
Number training meetings held for committeemen -----	12
Attendance -----	218
Number newspaper stories published re: A.A.A. matters -----	8
Number circular letters and cards prepared -----	3
Number office calls re: A.A.A. Program -----	800

The County Agent's A.A.A. activities during the year were almost entirely educational. The County A.A.A. Administrative Officer had full charge of the details of the program. The County Agent acted in an advisory capacity to the Administrative Officer and to the County Committee when asked.

We have about 1,270 farmers in McCormick County, 956 farmers are under the A.A.A. Administration, 309 farmers have participated, with 309 having reported performance which actually earned \$15,000.00 in materials and practices. \$15,000.00 was allocated to McCormick County and all of it has been cover by prior approvals issued. Shortage of funds cut program 40% as the \$15,000.00 was allocated by March 15.

The Agricultural Adjustment Programs have exerted a great influence on the agriculture of the county. More soil-building crops are being grown each year and the yield of cotton per acre is gradually rising. There is a respectful appreciation for the place of livestock in the farm program. A diversified farm program has been pointed out as a worthwhile venture.

The majority of McCormick County's farmers are well pleased with the present farm program, and there is practically no dissatisfaction on the part of producers as was the case a few years ago.

On the following page is a summary of the payments received by McCormick County farmers under the Agricultural Adjustment Programs since 1932.

Summary of Payments Since 1932
McCormick County

Program	Number of Contracts	Amount
1933 Flow-up	938	\$49,215.00
1934 Bankhead	863	64,019.00
1935 Bankhead	1,105	63,973.00
1935 C. A. P.	1,157	29,655.00
1936 A. C. P.	946	65,061.00
1937 C. A. P.	1,035	62,185.00
1937 A. C. P.	955	63,023.00
1938 A. C. P.	1,102	81,663.00
1939 C. A. P.	1,174	36,029.00
1939 A. C. P.	1,203	63,566.00
1940 C. A. P.	899	35,323.00
1940 C. A. P.	1,010	60,763.51
1941 C. A. P.	947	36,000.00
1941 A. C. P.	1,050	65,248.64
1942 A. C. P.	951	55,729.71
1943 A. C. P.	960	47,109.19
1944 A. C. P.	802	27,414.83
1945 A. C. P.	956	16,904.00
TOTALS	18,053	\$922,779.88

Terracing Program: Prior approval have been issued for 401,641 feet of terraces.

Materials Furnished this year are listed below:

- 100 lbs. Rye Grass
- 50 lbs. Crimson Clover
- 626 lbs. Alta Fesque
- 285 tons of Lime
- 8,907 sacks of Superphosphate

Total money allocated -- \$15,000.00

Total money covered with prior approvals -- \$15,000.00

G. G. Abercrombie is County Administrative Officer.

MISCELLANEOUS COUNTY AND COMMUNITY ACTIVITIES

Lions Club

The Agent is Vice-President of the Lions Club and serves on committees for community betterment and youth recreation.

Business Men's Club

I am a member of this organization which meets occasionally to discuss things that concern the town at large.

Polio

The County Agent was County Chairman of the Polio Drive during 1948. Our county sent in money to help the National Organization as we did not have a case of Polio here in the county.

Chamber of Commerce

The Agent is a member of the Chamber of Commerce and helps in every capacity possible. I am serving as a Director in this organization.

Athletic Association

I am a member of this organization and am serving as secretary. We have secured a new field, had it graded and topsoiled. We got uniforms for the baseball team. Leading business men and farmers belong to this association. This field was lighted and has served as a source of much recreation for rural and town people from all over the county.

PUBLICITY

Publicity work and the distribution of education information in connection with the 1948 extension program in McCormick County was done through circular letters, press articles, the distribution of bulletins and farm tours. A summary of work done in this connection is given as follows:

Summary Publicity Work

Individual letters	482
Circular letters	13
Copies mailed	3,262
Press articles	32
Bulletins distributed	338

Circular letters: A total of 13 circular letters were prepared and 3,262 copies mailed to farmers and 4-H Club boys in McCormick County in 1948. These letters contained information on timely agricultural matters, experimental work. Specimen copies of circular letters are attached to this report. There was a decrease in the number of personal letters and an increase in the number of circular letters for this year. Many circular letters that could not be franked were not written. There were more calls and fewer letters written.

Press articles: A total of 32 press articles of timely agricultural interest were published in McCormick County newspapers during the year. The Agent gave progress information throughout the year to news reporters in nearby cities. Specimen copies of some news articles are included in this report.

Bulletins Distributed: A total of 338 bulletins were distributed to farmers and 4-H Club boys during the year.

Farm Tours: Two soil conservation tours were conducted to study practices in Greenwood County to study the community work and the efforts put forth in the development of S.C.S. work on farms in that area. The other tours were held in the county to study terracing, maintaining terraces, development of permanent pastures, and annual grazing. One tour of Coker's Seed Farm was arranged and a very interesting trip resulted.

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

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

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

McCormick, South Carolina
January 14, 1948

EXTENSION SERVICE

~ Come One, Come All ~

Out Look
Meeting ~



McCormick Farmers:

Crank up the ole' "Flivver" and come to the Court House, Wednesday, January 21, 1948. Please be there promptly at 10:00 A.M. as we plan for a short and snappy meeting.

Mr. A. H. Ward and Miss Laura Conner, our District Extension Agents are going to give some timely information on what apparently will happen in 1948. Mr. Ward is going to touch on the new poisons (Benzene Hexachloride) etc. to control boll weevils. One or two local farmers have been asked to appear on this program.

Remember -- Wednesday -- January 21 -- 10:00 A.M. at the Court House.

"Colored people will occupy the balcony and are especially urged to be present."

Very truly yours,

Matilda Bell
Matilda Bell
Co. Home Dem. Agent

G. W. Bonnette
G. W. Bonnette
County Farm Agent

GWB/MB/web

Everybody
Come!

Be on Time!

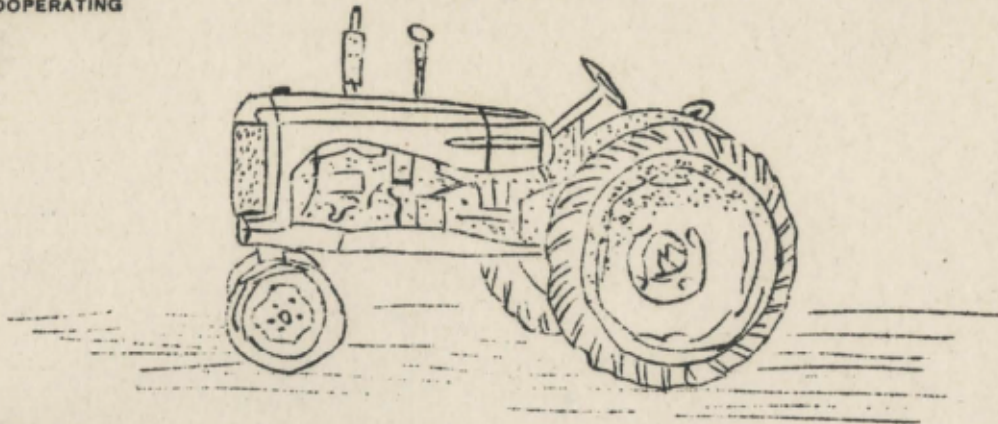
COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

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

McCormick, So. Car.
Feb. 19, 1948

EXTENSION SERVICE



WHAT? A TRACTOR AND EQUIPMENT DEMONSTRATION
WHEN? THURSDAY, FEB. 19, 1948 - 2:00 P. M.
WHERE? MCCORMICK HIGH SCHOOL SHOP

WHO IS INVITED? Any tractor owner, tractor operator or other interested person in McCormick County who would like to see some demonstrations showing how to:

1. Save money in operating his tractor.
2. Make the tractor last longer and do better work.
3. Make power farming easier.

M. C. McKenzie, or R. L. Willis, with the Clemson Extension Service will be in charge of the demonstrations, assisted by farm machinery dealers who will furnish tractors and other equipment. Lubrication engineers from some of the petroleum companies will be present to assist with lubrication demonstrations.

J. M. Gantt and William Harvey, Voc. Agriculture Teachers of this county will assist with this meeting. Our veterans who are farming are especially invited.

Please come (rain or shine) to the McCormick High School Shop, Thursday, February 19th at 2:00 P. M.

Tractor farming seems to be our only solution - so lets keep abreast with the time.

Very truly yours,

G. W. Bonnette
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

McCormick, South Carolina
March 15, 1948

EXTENSION SERVICE



"RATS EAT 5 - 10 MILLION DOLLARS ANNUALLY IN SOUTH CAROLINA!"

Dear Friend:

Can you afford to loose bushels and bushels of grain when a few dollars worth of rat poison will kill most of these destructive little animals?

Your County Farm and Home Agents are organizing a County Campaign with the help of our local leaders in each community.

Your order for rat poison may be given to any of the stores listed below as they will have complete information: W. A. Scott, Mrs. L. F. McNair, Cade's Store, J. C. Talbert, Joe Mann, E. H. Christian, E. H. Hollingsworth, Downtin's Store, W. A. Winn, E. M. Morgan, D. W. Trammell, J. L. Bracknell, J. J. Collier, Marion Winn, D. M. Blackwell, C. T. Bussey, Hammond Store, M. B. Goff, L. W. Lagroon and J. M. Cox at Troy or you may bring your order to the Home or Farm Agents Office.

We must get these orders by March 29th as we will send off our County Order on that date.

Very truly yours,

Matilda Bell
Matilda Bell
Co. Home Dem. Agent

G. W. Bonnette
G. W. Bonnette
Co. Farm Agent

GWB/MB/web

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

McCormick, South Carolina
June 7, 1948

EXTENSION SERVICE

Dear 4-H Club Member:

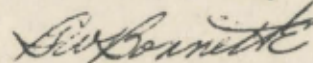
As you already know we are going to attend "Camp Bob Cooper" which is located between Manning and Summerton and is on the Santee Cooper Lake. We will attend the week of July 5-9 and are very anxious to know just who can go from McCormick County as we have to make arrangements for a bus.

The cost of the camp will be \$6.00 plus a small transportation fee.

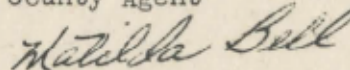
We must hear from you by June 15th saying whether or not you plan to go.

We cannot plan this trip without your cooperation.

Very truly yours,



G. W. Bonnette
County Agent



Matilda Bell
Co. Home Dem. Agent

GWB/MB/web

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. D. W. WATKINS, DIRECTOR. DISTRIBUTED IN FURTHERANCE OF THE ACTS OF CONGRESS OF MAY 8 AND JUNE 30, 1914



COTTON LETTER

PRESENTING TIMELY INFORMATION

ON ALL PHASES OF COTTON PRODUCTION

McCormick, South Carolina
June 10, 1948

If you plan to mop as a means of controlling the boll weevil, use the 1-1-1 mixture (1 gallon Blackstrap molasses, 1 lb. arsenate, 1 gallon water) or 1-7-4 if you use "More-Mop" or citrus syrup (1 gallon citrus syrup, 7 gallons water, 4 lbs. of arsenate). Mix and let set for 1 hour to thicken before using. This gives the same amount of arsenate per gallon in both mixtures. "Mop and Mix" has been used by many of our farmers as recommended on label.

The "New Dusts" should be used when you find a 10% infestation. Make check by walking across field and examining 100 squares; if 10 squares are punctured you have 10% infestation.

You may use B.H.C. or Toxaphene at the rate of 8-10 lbs. per acre. Repeat in 5 days to make sure you have done a thorough job. Careful examination will tell you when the next dusting is needed. These dusts kill flea hoppers and other cotton insects.

I am enclosing circular #310 for further study of cotton production and boll weevil control.

The same merchants that handled materials last year will stock them this year. Hand dusters are available here in McCormick. See me or write me for any information concerning boll weevils.

Very truly yours,

G. W. Bonnette
County Agent

GWB/web
Enclosure

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

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

McCormick, S. C.
June 14, 1948

EXTENSION SERVICE
HOME DEMONSTRATION WORK

Dear 4-H Officer:

The next meeting of the 4-H Council will meet in the County Agents office on Friday morning, June 18 at 10:30.

The purpose of this meeting is to discuss summer camping, to reorganize, and to plan our 4-H County Council meeting.

Please be on time - 10:30 - Friday '18 - County Agent's office.

Yours truly,

G. W. Bonnette
G. W. Bonnette
County Farm Agent

Matilda Bell
Matilda Bell
Co. Home Dem. Agent

GWB/MB/lj

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

McCormick, South Carolina
January 14, 1948

EXTENSION SERVICE

OUTLOOK

OUTLOOK

OUTLOOK

Dear Friend:

As a leader in your neighborhood we are asking that you come and bring several people with you to the Outlook Meeting January 21, 1948 -- 10:00 A.M. -- Court House.

This is a very important meeting as the information given by our Clemson and Winthrop leaders should influence your farm business throughout 1948.

Since you are a part of our Extension organization we are expecting you to do your part.

Very truly yours,

Matilda Bell
Matilda Bell
Co. Home Dem. Agent

G. W. Bonnette
G. W. Bonnette
Co. Farm Agent

GWB/MB/web

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

McCormick, South Carolina
July 26, 1948

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

EXTENSION SERVICE

Dear Sir:

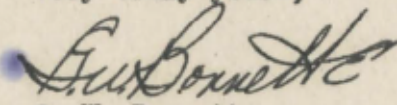
The agricultural workers of this county are planning a meeting for Friday, July 30 from 2:00 - 4:00 P.M. The topic for consideration is "winter grazing". Several Clemson Specialist will be present to discuss, show pictures and answer questions on grazing. Our meeting will be in the large room occupied by the A.A.A. We will have electric fans and ice water to keep you cool.

Fesque, crimson clover, ladino clover, rye grass and other plants will be included in the pictures and talks.

If you have cattle attending this meeting will be a good investment for you. You really can't afford to let an opportunity like this go by without taking advantage of it.

I'll see you up at my office at 2:00 P.M., Friday, July 30th.

Very truly yours,



G. W. Bornette
County Agent

GWB/wew

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

McCormick, South Carolina
July 28, 1948

EXTENSION SERVICE

Dear Friend:

You have already heard about Farmer's Week to be held at Clemson College August 23 - 27, but this letter is to urge you to try to make this trip.

You may attend one day or the entire session. If you plan to stay in barracks bring bed linen, towels, soap, a pillow, and maybe a light blanket. Meals will be served in the college dining room at a cost of 50¢ for breakfast, 65¢ for dinner and 65¢ for supper. You may eat one or all three meals in dining room.

Educational and farm machinery exhibits will be located at convenient places on the campus.

A most interesting program has been planned including music, speeches, tours, demonstrations and lectures given by specialists from the various fields of agriculture. "This is your chance to go through college in one week." The program is set up for ladies, gentlemen, boys and girls. You have heard of a vacation with pay -- well this is it!

If you plan to go please notify us by August 10th.

Very truly yours,

Matilda Bell

Matilda Bell
Co. Home Dem. Agent

G. W. Bonnette

G. W. Bonnette
Co. Farm Agent

GWB/MB/wew

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

McCormick, South Carolina
June 28, 1948

EXTENSION SERVICE

BUS SCHEDULE
TO
CAMP BOB COOPER
MONDAY, JULY 5, 1948

Dear 4-H Club Member:

We are glad that you are planning to go to the 4-H Club Camp July 5 - 9, at Camp Bob Cooper. Here are your last minute reminders!

You will need to take sheets, pillow (if you want one), light blanket, drinking glass, towels, toilet articles, bathing suit, comfortable shoes and clothing. The total cost for everything will be \$6.00. Please have the correct change with you. You will pay before getting on the bus. Don't bring jewelry or much spending money.

Bring a lunch as we will be on the road four or five hours.

If you play any kind of musical instrument bring it with you.

We have secured the new Washington School Bus, and a regular school bus driver.

Bus Schedule Monday, July 5.

Leave McCormick Court House at 9:00 o'clock
Leave Plum Branch School at 9:15 o'clock
Leave Parkville Depot at 9:30 o'clock
Leave Modoc, Bussay's Store at 9:45 o'clock

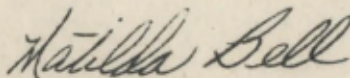
Be sure you are ready to leave on time!

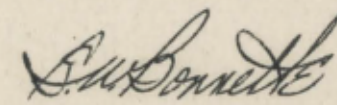
We expect to leave Camp Bob Cooper, Friday, July 9 about 9:00 o'clock. We will come back by Modoc, Parkville, Plum Branch and to the Court House. We should be in McCormick about 3:30 or 4:00 o'clock. Be sure to have your parents to meet you on Friday.

Your address will be Camp Bob Cooper, Summerton, S. C.

If we can answer other questions for you, please let us know.

Sincerely,


Matilda Bell
Co. Home Dem. Agent


G. W. Bonnette
County Agent

GWB/MB/vob

On the following pages will be found specimen copies of
News Articles published during the year.

News Article

McCormick County
FARM NEWS

By
G. W. Bonnette,
County Agent

There is lots of talk about the new dusts for poisoning the boll weevil. Everybody that I have talked with that used the new dust last year is praising it to the highest. It will kill Mr. Weevil. You will be able to buy "B.H.C." or "Toxaphene" here in the county. Bob Pettigrew has already ordered "Chlordane", so we will have all three dusts used in the county this year. Better get you a duster ahead of time.

Our stand of cotton is improving. These warm days and the few warm nights have helped considerably.

Thomas McComb was combining crimson clover seed for W. E. Britt a few days ago. I understand the turn out of seed was very good. Crimson clover is one of our best legumes to put in the mixture for winter grazing.

Douglas Britt won first prize in our county in the Five Acre Pulpwood Thinning Contest. This boy did some hard work and deserves every consideration received from the judges. He was a runner-up for the district prize.

If you want pine seedlings to set out next fall and winter, come by and give me your order now. The pine tree is one of our leading crops in McCormick, so let's take advantage of these bare hills that are out of production.

News Article

McCormick County
Farm News

By
G. W. Bonnette,
County Agent

"Freezer Locker Plant"

Many of our people have asked time and time again about the possibilities of getting a Freezer Locker Plant for McCormick County. We have made several trips to investigate the building of a large plant, but could not see the feasibility of going into such an undertaking.

However, we have a new portable plan that we wish to present to you on Thursday, Jan. 22nd, at 7:00 P.M. in the court house. A representative of this company will meet with us to give an explanation of the workings and to show a picture of the construction and operation of this type locker.

Show your interest by being there.

"Farmers Meetings"

Don't miss the outlook meeting to be held in the court house on Wednesday, January 21st, promptly at 10:00 A.M.

Mr. A. H. Ward, our district agent, a most interesting speaker, a man that is highly respected as one of the leading agriculturalists of our state, is going to be on this program with information on what the year 1948 holds in store for our farm people as it seems today.

The ladies of this county are urged to come, as Miss Conner, our district agent, will give very timely suggestions on how to operate the home budget.

continued

"Boys 4-H Clubs"

The boys 4-H Club met Monday, Januar 12, 1948. Mr. Bonnette talked to the boys on Safety. He gave each one a book on Safety. The different danger hazards about the home were discussed, and ways of preventing these dangers were stressed.

News Article

DISTRICT 4-H JUDGING CONTEST

McCormick Wins 2nd Place

On Tuesday, April 13th, a judging team composed of Sonny Simpson, James Butler, Paul LeRoy and Douglas Britt represented McCormick County at the District judging contest held at the Fair Grounds in Columbia.

Seven counties were engaged in this judging activity and twenty eight boys competed.

McCormick won second place by scoring 1559 points. The first place went to Abbeville who scored 1591 points.

Douglas Britt was high scorer from McCormick with a score of 524, James Butler scored 517 and Sonny Simpson scored 518. Paul LeRoy made a grand showing as an alternate. These boys scored 2 rings of hogs consisting of 4 animals each, and 2 rings of fat beef steers consisting of 4 animals each. The reasons why the placings were made had to be given by each contestant.

THE 4-H CLUB REPORT

The 4-H club met April 23rd. The boys and girls had a joint meeting. We were happy to have two representatives from S.C. Power Co. They were Mr. Goodman and Miss Cameron.

The lady had her demonstration first. She explained the electrical appliances of the kitchen. She also showed us how to arrange a kitchen.

The man had his demonstration next. He explained how to make different things and explained how they work. Some of the things he showed us how to make were a water warmer, to keep chickens water from freezing, a chicken brooder, and a pig brooder, to keep baby pigs warm.

Mr. Bonnette thanked them and the meeting was adjourned.

News Article

McCormick County
Farm News

By
G. W. Bonnette,
County Agent

"Boll Weevil News"

I have made field checks on several hundred acres of cotton in the last few days. I find high infestations in some fields.

At present our damage from the weevil runs from 26 per cent down to 4 per cent.

I find that where poisoning has been properly done the infestation is low.

I would advise dusting at regular intervals to protect the large bolls. This hot weather is very favorable, but don't expect it to do the whole job. Toxaphene is being used by most farmers at this period of the game. Don't be afraid to dust. Thousands are using this material and no harm has been reported.

Our cotton crop is very promising but it is at a critical stage - we must make counts - stay on the job and make regular inspections of the fields. Dust when needed, as your investment is too great to let the weevil take over.

The agricultural workers of this county are planning a meeting for Friday, July 30, from 2:00 - 4:00 P.M. The topic for consideration is "winter grazing." Several Clemson specialists will be present to discuss, show pictures and answer questions on grazing. Our meeting will be in the large room occupied by the A.A.A. We will have electric fans and ice water to keep you cool!

Fesque, crimson clover, ladino clover, rye grass and other plants will be included in the pictures and talks.

If you have cattle, attending this meeting will be a good investment for you. You really can't afford to let an opportunity like this go by without taking advantage of it.

News Article

McCormick County
Farm News

By
G. W. Bonnette,
County Agent

Our "Rat Poison" is being ordered today. It may interest you to know that we will have 225 lbs. of this material to go out to farmers in most every community. It is very important that we take time and put this "Poison" where the rats travel. It is a good idea to "prebait" with some bread or unpoisoned food two or three nights before you put out the poison. Rats must trust you before they eat new foods.

Please do a good job with this poison as we have about as many rats in the United States as we do people and each rat eats or destroys about two bushels of grain each year.

This rat poison should be here in about 10 days. We will get you word when to come for it, or send it to you.

Boll weevil time is not too far ahead of us, so let's start thinking and planning on how we will handle these ladies and gentlemen this year.

If you intend to use one of the new dusts that have really given results you will have to get a duster of some description, or make arrangements for some one to do your dusting. The new dusts "B.H.C.", Chorlene, and Toxaphene, can be secured by orders through my office. Several farmers have already ordered. Elvin Brock has a 4 row tractor duster and has ordered his B.H.C.

I have a demonstration on 2-4D, the weed killing chemical, at L. L. Hester's place that I will keep you informed as to results. It was sprayed on Wild Rose, Clover, Honey Suckle and several wide leaf weeds.

News Article

4-H CAMP AT BOB COOPER

The McCormick County 4-H girls and boys attended Camp Bob Cooper the week of July 5-9.

We left McCormick at 9 A.M. and arrived there at 3:30 P.M.

Soon after we arrived we were assigned to our cabins. Later on we were allowed to go in swimming. After swimming we had a most enjoyable out-door supper. At 7:30 we went to vesper services and afterwards had a movie. At 10:30 Taps were sounded which meant for lights to go out.

We were awakened at 7:00 and had breakfast at 7:30. After breakfast we had inspection of cabins, and at 9:00 we had classes in electricity, tractor care, home-making, swimming, weaving and many other short courses. At 11:30 we had another swimming period. Then at 1:00 we ate dinner; then the rest of the day was free to do as we wished. We could take archery practice, play volley ball, soft ball, foot ball and many other sports. At 4:00 we had another swimming period; then at 6:00 we had supper, and so on every day until Thursday night when each table in the dining hall had to put on a stunt. Mr. Bonnette was in charge of all these. Miss Bell served as a judge. The Greenville boys and girls were there with us. We made new friends at camp and look forward to camp time next year.

We, the club members, appreciate the works of Miss Bell and Mr. Bonnette and thank them for this trip.

News Article

McCormick County
Farm News

By
G. W. Bonnette,
County Agent

We want everybody to know that our 4-H boys are making some good records in South Carolina. We entered the district contest held at Orangeburg in Forestry and Health Improvement, winning top places in each contest. We then went to Columbia to compete for state honors and won in forestry and made a close run in the Health Improvement.

Douglas Britt was the State winner in Forestry, having already won county and district prizes. He is now competing for national honors. James Jackson and Melvin Finley were the contestants in the Health Improvement contest.

We want everybody to know that our own local bank, The Dorn Banking Co., gave each of these boys a check to cover all expenses on the trip to Columbia, including a night at the Jefferson Hotel, the banquet and all meals. These boys were carried to the State Fair and really shown a good time. At the banquet, where around 200 boys and girls who had won in their respective counties were, was heard some very good talks by 4-H clubsters of state-wide importance. This meeting was presided over by 4-H members entirely, and believe me, they did a bang-up job. In fact the grown-ups who were guests at the banquet were reluctant to follow them on the program. Yes, the youth of South Carolina can carry on. 4-H club work helps develop leadership

Our A.A.A. administrator, Gray Abercrombie, tells me that they have furnished on purchase order, 626 lbs. of alta fesque for pasture improvement. This is our new grass that grows all winter long. L. C. Talbert has some fesque that is about a foot tall now. Some of our farmers have good grazing already. How about you? It can be done!