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1948

## 1948 Sumter County Extension Service Report

Clemson University Cooperative Extension Service

T. O. Bowen

R. P. Alston

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PROPERTY OF  
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OF SOUTH CAROLINA

# ANNUAL REPORT

## COUNTY AGENT WORK

SUMTER

County

SOUTH CAROLINA

1948

T. O. BOWEN

County Agent

R. P. ALSTON

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

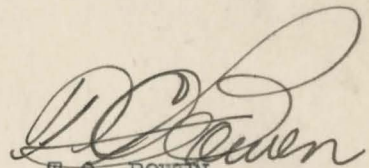
Clemson, South Carolina

- 1948 -

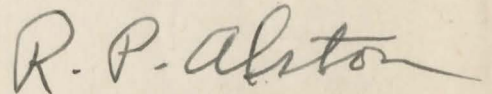
ANNUAL REPORT

EXTENSION SERVICE

SUMMER, SOUTH CAROLINA



T.O. BOWEN  
COUNTY AGENT



R. P. ALSTON  
ASSISTANT COUNTY AGENT



TABLE OF CONTENTS

<u>ITEM</u>	<u>PAGE</u>
Summary of Activities	1
<u>County, Community and Neighborhood Organization:</u>	
County Agricultural Committee	2
Advisory Members	3
Community and Neighborhood Leaders (White)	4-5-6-7
Community and Neighborhood Leaders (Colored)	8-9-10-11
Map	12
Line Program	13
<u>Agricultural Economics</u>	
Outlook	14
Farm Planning	14
Cooperation with farm credit agencies	14
Landlord-Tenant Relations	14
<u>Agricultural Engineering:</u>	
Farm Buildings	16
Rural Electrification	16
Farm Machinery	16
Harvesting Grain	17
Combine Owners	17
Tractor-Binder Owners	18
Cotton Pickers	18
<u>Agronomy</u>	
Cotton Improvement Contest	19
Summary 5-Acre Cotton Demonstration per acre average	20
Corn	21
Sweet Potatoes	21
Lespedeza	22
Hay	22
Dixie Wonder Peas	22
Peanuts	22
Cotton Seed Treatment	22
Cotton Seed Improvement	22
Fertilizers	23
Seed Testing	23
Improved Pasture Demonstrations	24
Soil Testing	25
Tobacco	25
Plant Lice	25



## Animal Husbandry

Hogs	26
Sodium Flouride Treatment	26
Hog Marketing	27
Hog Cholera	27
Pure-bred Hogs Placed	28
Production of Registry Work	28
Beef Cattle	29
Introduction of Breeding Stock	29
Beef Cattle Show and Sale	30
Dairying	30
4-H Dairy Calf Club	31
Report on Feeding Irish Potatoes	32

## Entomology and Plant Pathology

Cotton	33
Rat Killing Campaign	33
Beekeeping	33
D.D.T.	33
Bill Bug Control	33
Weevil Control	34

## Forestry

Fire Control	35
Pine Tree Seedlings	35
Distribution of Seedlings for Fiscal Year	35
Timber Surveys	36

## Horticulture

Gardens	37
Fruit and Nut Trees	37
Peach Orchards	37
Sweet Potatoes	37

## Poultry

Dressing Plant	38
Hatcheries	38
Turkeys	38
Flock Owners	38

## Visual Instruction

Visual Instruction	39
A.A.A. Activities	39
Publicity Work	39
Newspaper	39
Radio	39
Summary of Radio Broadcasts	39
Nutrition	40

## Miscellaneous

Miscellaneous (Cont'd)

Farmers' Exchange	41
N. C. Farmers' Cooperative Exchange	41
County Fair	41
Service Clubs	41
Office Work	41
Four-H Club Work	
Boys 4-H Club Work	42
1948 Florence Fat Stock Show	43
1948 Dairy Calves	43
Pig Club (Fattening)	44
Pig Club	45
Pig Club (Breeding Class)	46
Pig Club (Sow and Litter Class)	47
Calf Club (Beef)	48
Calf Club (Dairy)	49
Corn Club	50
Corn Club	51
Cotton Club	52
Peanut Club	53
Wheat Club	54
Tobacco Club	55
Garden Club	56
Poultry Club	57
Poultry Club	58
Potato Club	59
4-H Rally Day	60
Awards	60
Health	60
4-H Conservation and Leadership Camps	60
4-H Kiwanis Dinner and Awards	61
4-H Camp	62
Citizens Activities	62
Exhibits and Winnings at 1948 Sumter County Fair	
Swine Department - 4-H Class	63
Swine Department - Open Class	63
4-H Beef Calf Department - Class I	63
Class II	63
Class III	63
Poultry Department	64
Adult Class	64
Agricultural Department	
4-H Corn	65
4-H Sweet Potatoes	65
General Agriculture Exhibits	65
Summary 4-H Demonstrations 1930 - 1948 Completed	66
<u>Circular Letters</u>	67 -
News Articles	



SUMMARY OF ACTIVITIES

Days in office - - - - -	183 $\frac{1}{2}$
Days in field - - - - -	368
Total farm visits made - - - - -	1153
4-H visits included under above- - - - -	749
Calls at agent's office- - - - -	1400
Telephone calls at agent's office- - - - -	1257
Individual letters written - - - - -	1040
Circular letters prepared- - - - -	26
Copies mailed- - - - -	3981
Newspaper articles published- - - - -	90
Bulletins distributed - - - - -	586
Radio talks prepared or made- - - - -	71
Total adult and 4-H Club meetings held or attended- ---	166
Total attendance Extension workers at meetings - - - - -	358
Total attendance farmers, 4-H Club members and others- ---	5337
Meetings with county advisory boards and program planning groups - - - - -	22
Attendance - - - - -	264
Training meetings for adult leaders or committeemen- - -	2
Attendance - - - - -	402
4-H Club and older youth meetings, camps, tours, etc. attended by agent - - - - -	106
Attendance - - - - -	2859
Training meetings for 4-H Club and older youths- - - - -	7
Attendance - - - - -	147
Meetings at Result Demonstrations, adult, 4-H Club and older youth - - - - -	12
Attendance - - - - -	29
Other meetings held or attended by agent - - - - -	20
Attendance - - - - -	1275
Adult meetings held by leaders and not attended - - - - -	0
Attendance - - - - -	0
4-H Club and older youth meetings held by leaders and not attended by agent - - - - -	0
Attendance - - - - -	0
Days devoted to work with adults - - - - -	357
Days devoted to work with 4-H Club and older youth - - -	207 $\frac{1}{2}$
Miles traveled county work - - - - -	11885
County travel expense - - - - -	1027.95



1. COUNTY ORGANIZATION OF FARM AND HOME LEADERS:County Agricultural Committee

- a. One member of each township was elected several years ago at large meetings to be on our County Agricultural Council, When fuller organization was attempted, these men, along with other leaders, both men and women over the county were selected by the council. This committee in its annual meeting, receives a report of the County Extension workers and then criticizes the work making recommendations for activities to be carried on the following year.

b.	NAME	ADDRESS
	Mrs. E. C. Myers	R-1, Lynchburg, S. C.
	Mrs. F. M. Cain	R-4, Sumter, S. C.
	Mrs. J. H. Montgomery	R-1, Gable, S. C.
	Mrs. Hazel Brunson	R-1, Sumter, S. C.
	Mrs. J. M. Edens	R-1, Dalzell, S. C.
	Mrs. C. W. Watkins	R-2, Rembert, S. C.
	Mrs. A. T. Reames	R-4, Sumter, S. C.
	Mrs. T. A. Moore	R-1, Olanta, S. C.
	Mrs. S. O. Plowden	R-3, Sumter, S. C.
	Mrs. W. R. Keels	Pinewood, S. C.
	Mrs. W. W. Green	R-1, Lynchburg, S. C.
	Miss Elizabeth Heriot	Mayesville, S. C.
	Mr. H. C. Seymour	R-1, Sumter, S. C.
	Mr. J. T. Witherspoon	R-1, Gable, S. C.
	Mr. J. A. McKnight	Sumter, S. C.
	Mr. W. Y. Pitts	R-3, Sumter, S. C.
	Mr. J. A. Reames	Sumter, S. C.
	Mr. J. H. Wilson	Sumter, S. C.
	Mr. W. J. Lawrence	Sumter, S. C.
	Mr. D. E. Turbeville	Sumter, S. C.
	Mr. C. J. Jackson	Horatio, S. C.
	Mr. S. O. Plowden	R-3, Sumter, S. C.
	Mr. H. M. McLaurin, Sr.	R-3, Sumter, S. C.
	Mr. J. H. McLeod	Rembert, S. C.
	Mr. Alfred Scarborough	Sumter, S. C.
	Mr. W. R. Keels	Pinewood, S. C.
	Mr. Gene McLeod	Rembert, S. C.
	Mr. G. W. Stafford	Oswego, S. C.

5.

ADVISORY MEMBERS

<u>NAME</u>	<u>ADDRESS</u>	<u>REPRESENTING</u>
J. A. McKnight	Sumter, S. C.	County Commissioners
H. L. Jackson	Horatio, S. C.	County Delegation
W. R. Keels	Pinewood, S. C.	Farmer
J. C. Brown	Sumter, S. C.	County Fair
J. A. Reames	Sumter, S. C.	County Rehabilitation
J. H. Wilson	Sumter, S. C.	Sumter Production Credit Ass'n
F. E. Wells	Sumter, S. C.	Sumter High School
W. J. Lawrence, Jr.	Rt-1, Sumter, S. C.	Federal Land Bank
D. E. Turbeville	Sumter, S. C.	Seed Loan
C. J. Jackson	Horatio, S. C.	Farmers Exchange
L. G. Cabbage	Sumter, S. C.	County Forestry
Ben Abbott	Sumter, S. C.	Soil Conservation

c. This committee serves as the agricultural voice of the county and assists with such things as farm program planning, special post-war work, etc.

The two members elected by it serve on the State Committee. They are: Mr. McBride Dabbs and Mrs. T. A. Moore.

- - - - -



2. COMMUNITY AND NEIGHBORHOOD LEADERS:

- a. The following is a list of our communities and neighborhoods organized together with a list of the members of each.

WHITE LEADERS

PROVIDENCE

<u>Names</u>	<u>Addresses</u>
Mr. Stayarne Burrows	Oswego, S. C.
Mr. J. M. Edens	Dalzell, S. C.
Mrs. J. M. Edens	Dalzell, S. C.
Mr. L. K. Jackson	Dalzell, S. C.
Mrs. J. B. Raffield	Dalzell, S. C.
Mrs. M. H. Bradham	Dalzell, S. C.
Mr. M. H. Bradham	Dalzell, S. C.
Mr. O. G. Dorn	Route 4, Sumter, S. C.
Mr. J. B. Raffield	Route 4, Sumter, S. C.
Mr. W. Y. Pitts	Route 3, Sumter, S. C.
Mr. L. B. Bradford	Route 4, Sumter, S. C.
Mr. E. L. Barnes	Route 4, Sumter, S. C.
Mr. E. B. Mathis	Route 4, Sumter, S. C.

SUMTER

Mr. J. R. White	Route 3, Sumter, S. C.
Mr. Alfred Scarborough	Sumter, S. C.
Mr. D. M. Winkles	Oswego, S. C.
Mr. C. M. Chandler	Route 4, Sumter, S. C.
Mr. J. H. Myers	Route 3, Sumter, S. C.
Mrs. A. C. Robinson	Oswego, S. C.
Mrs. A. T. Reames	Route 4, Sumter, S. C.
Mr. W. H. McCoy	Oswego, S. C.
Mr. Hal Shuler	Route 4, Sumter, S. C.
Mr. Paul Thomas	Sumter, S. C.
Mrs. W. F. Ward	Sumter, S. C.

STATEBURG

Mrs. S. O. Plowden	Route 3, Sumter, S. C.
Mr. S. O. Plowden	Route 3, Sumter, S. C.
Mr. C. J. Jackson	Horatio, S. C.
Mr. Benjamin Sanders	Route 3, Sumter, S. C.
Mrs. W. A. Brown	Route 3, Sumter, S. C.
Mr. R. M. Moore	Horatio, S. C.
Mr. C. E. Freeman	Horatio, S. C.
Mr. William Dinkins	Route 3, Sumter, S. C.
Mr. E. B. Mathis	Route 3, Sumter, S. C.
Mr. W. H. Freeman	Route 3, Sumter, S. C.



Community and Neighborhood Leaders, Cont'd.

CONCORD

Mrs. H. D. Brunson	Route 1, Sumter, S. C.
Mrs. J. H. Montgomery	Route 1, Gable, S. C.
Mr. B. W. Brogdon	Route 1, Sumter, S. C.
Mr. T. H. Pringle	Route 1, Sumter, S. C.
Mrs. F. M. Cain	Route 4, Sumter, S. C.
Mr. H. C. Seymour	Route 1, Sumter, S. C.
Mrs. W. J. Lawrence, Jr.	Route 1, Sumter, S. C.
Mr. J. C. Brogdon	Route 1, Sumter, S. C.

FULTON

Mr. W. R. Keels	Pinewood, S. C.
Mrs. W. R. Keels	Pinewood, S. C.
Mrs. E. P. Thomas	Pinewood, S. C.
Mr. S. L. Touchberry	Pinewood, S. C.
Mr. Jim Aycock	Pinewood, S. C.

MANCHESTER-MEDDLETON

Mr. H. M. McLaurin, Jr.	Route 3, Sumter, S. C.
Mr. H. M. McLaurin, Sr.	Route 3, Sumter, S. C.
Mrs. E. T. Gullledge	Wedgefield, S. C.
Mr. W. D. Ryan	Wedgefield, S. C.
Mrs. H. M. McLaurin, Jr.	Wedgefield, S. C.

PRIVATEER

Mr. Jack Brogdon	Route 1, Manning, S. C.
Mrs. Jack Brogdon	Route 1, Manning, S. C.
Mrs. G. A. Nettles	Route 2, Sumter, S. C.
Mr. R. W. Ingram	Route 2, Sumter, S. C.
Mr. G. A. Nettles	Route 2, Sumter, S. C.
Mr. W. L. Kolb	Route 2, Sumter, S. C.
Mr. Furman Hodge	Route 2, Sumter, S. C.
Mr. R. P. Monaghan	Route 2, Sumter, S. C.
Mr. R. F. Jackson	Route 2, Sumter, S. C.
Mr. R. T. Davis	Route 2, Sumter, S. C.
Mrs. George Pearson	Route 2, Sumter, S. C.

Community and Neighborhood Leaders, Cont'd.

RAFTING CREEK

Mr. J. T. Dennis	Rembert, S. C.
Mr. J. A. Reames	Rembert, S. C.
Mr. Ike Sanders	Hagood, S. C.
Mr. P. M. Brown	Rembert, S. C.
Mr. W. F. Baker	Rembert, S. C.
Mr. R. C. McLeod	Rembert, S. C.
Mr. H. H. Sanders	Borden, S. C.
Mr. S. M. Shiere	Rembert, S. C.
Mrs. P. M. Brown	Rembert, S. C.
Mrs. Flossie Watkins	Rembert, S. C.

MAYESVILLE

Mr. H. W. Tiller	Mayesville, S. C.
Mr. McBride Dabbs	Mayesville, S. C.
Mrs. Elizabeth Thompson	Mayesville, S. C.
Mr. W. E. Skinner	Mayesville, S. C.
Mr. J. H. Wilson	Mayesville, S. C.

SHILOH

TRINITY

Mr. J. T. Keels	Route 1, Lynchburg, S. C.
Mr. T. J. Keels	Route 1, Lynchburg, S. C.
Mr. Ellie Green	Route 1, Lynchburg, S. C.
Mr. Tom Mims	Route 1, Lynchburg, S. C.
Mrs. J. H. Whitehead	Route 1, Lynchburg, S. C.
Mr. Carlyle McElveen	Route 1, Lynchburg, S. C.
Mr. T. J. Johnson	Route 2, Lynchburg, S. C.

PLEASANT GROVE

Mrs. M. R. Phillips	Route 1, Lynchburg, S. C.
Mr. Clarence Phillips	Route 1, Lynchburg, S. C.
Mrs. Clark Thomas	Route 1, Lynchburg, S. C.
Mrs. S. J. Fincher	Route 1, Lynchburg, S. C.
Mr. S. J. Fincher	Route 1, Lynchburg, S. C.
Mr. C. E. Taylor	Route 1, Lynchburg, S. C.
Mr. Marvin R. Phillips	Route 1, Lynchburg, S. C.

NORWOOD

Mr. W. L. Moore	Route 1, Olanta, S. C.
Mrs. J. L. Raines	Route 1, Olanta, S. C.
Mr. T. A. Moore	Route 1, Olanta, S. C.
Mr. C. A. Goodman	Lynchburg, S. C.



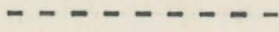
Community and Neighborhood Leaders, Cont'd.

SHILOH

Mrs. E. C. Myers	Lynchburg, S. C.
LeRoy Green	Lynchburg, S. C.
Mrs. W. W. Green	Lynchburg, S. C.
Mr. Tom Atkinson	Turbeville, S. C.
Mr. W. Z. Godwin	Lynchburg, S. C.

LONE OAK

Harry Truluck	Olanta, S. C.
John Hobbs	Lynchburg, S. C.
F. D. Tomlinson	Lynchburg, S. C.
Mrs. W. H. Hobbs	Lynchburg, S. C.





Community and Neighborhood Leaders: (Cont'd)

COLORED LEADERS

RAFTING CREEK

<u>Name</u>	<u>Address</u>
Marion W. McLester	R-2, B-107, Rembert, S. C.
Sarah Robinson	R-2, B-164, Rembert, S. C.
Helena Dargan	R-2, Rembert, S. C.
Herbert Dinkins	Hagood, S. C.

HIGH HILL

Powell Robinson	R-3, B-70, Sumter, S. C.
Louise Richardson	R-3, B-78, Sumter, S. C.
Mariah Johnson	Horatio, S. C.
Rosa Williams	R-2, B-131, Rembert, S. C.

SALTERSTOWN

Emma Corbett	R-4, B-18, Sumter, S. C.
Susan Holmes	R-4, B-18, Sumter, S. C.
Derry Reese	R-4, B-24, Sumter, S. C.

ST. MICHAEL

Emma Champion	R-3, B-150-B, Sumter, S. C.
Prof. F. J. DeLane	R-3, B-194, Sumter, S. C.
Rhoda Taylor	R-3, B-150-B, Sumter, S. C.
Victoria Coleman	R-3, B-168, Sumter, S. C.
T. H. Pringle	R-3, B-168, Sumter, S. C.
Edwin Taylor	R-3, B-150-B, Sumter, S. C.

STATEBURG

Burrell Johnson	R-3, B-194, Sumter, S. C.
Hattie D. Taylor	R-3, B-114, Sumter, S. C.

ST. MATTHEWS

J. W. Cain	R-1, B-57-D, Sumter, S. C.
Annie E. Cain	R-1, B-57-D, Sumter, S. C.

PROVIDENCE

Thomas Sanders	R-1, B-23, Dalzell, S. C.
Lou Alice Sanders	R-1, B-23, Dalzell, S. C.
A. B. Baldwin	R-2, B-22, Dalzell, S. C.
Pearl Sanders	R-1, B-35-A, Dalzell, S. C.

Community and Neighborhood Leaders, Colored - (Cont'd)

GOODWILL

Rev. W. J. Nelson	R-1, B-62, Mayesville, S. C.
Johnson Iesesne	R-1, B-41, Mayesville, S. C.
Rosetta Moses	R-1, B-56, Gable, S. C.
Mariah James	R-1, B-46, Mayesville, S. C.
Columbus Cooper	R-1, B-47, Gable, S. C.
Mood Cooper	R-1, B-47, Gable, S. C.
Hannah Muldrow	R-2, B-151, Lynchburg, S. C.
McKinley Muldrow	R-2, B-151, Lynchburg, S. C.
Marie Benn	R-2, B-59-a, Gable, S. C.

DuBOSE

Buriah White	R-1, B-215, Sumter, S. C.
Herbert Brown	R-1, B-182, Oswego, S. C.
Carrie Cook	R-1, B-106, Oswego, S. C.
James W. Brown	R-1, B-182, Oswego, S. C.
Phillis Richardson	R-4, B-281, Sumter, S. C.
Novena Jackson	R-4, B-261, Sumter, S. C.

SECOND MILL

Earline Robinson	R-3, B-9, Sumter, S. C.
Rebecca Nelson	R-3, B-91, Sumter, S. C.
Julia Evans	R-3, B-9, Sumter, S. C.
Susan Waiters	R-2, B-17, Sumter, S. C.
Omenia Bozier	R-2, Sumter, S. C.

CONGRUITY

E. W. Gregg	R-1, B-105, Sumter, S. C.
Rosa Gregg	R-1, B-105, Sumter, S. C.
Almetia Montgomery	R-4, B-357, Sumter, S. C.

REMINI

Virginia Martin	Remini, S. C.
Paul Martin	Remini, S. C.

PINEWOOD,

Viola B. Johnson	Pinewood, S. C.
------------------	-----------------

MAYESVILLE

Annette Fortune	Mayesville, S. C.
Julia Anderson	Mayesville, S. C.



Community and Neighborhood Leaders - Colored -Cont'd)HORATIO

Lottie Boykin	Horatio, S. C.
Bertha Dixon	Horatio, S. C.

OSWEGO

Joe McMillan	R-1, B-108, Mayesville, S. C.
Georgia Reese	R-4, B-307, Sumter, S. C.

WHITES MILL

Hannah Montgomery	R-4, Sumter, S. C.
Etta Mickens	R-4, B-264-A, Sumter, S. C.
Nancy Dicks	R-4, B-210, Sumter, S. C.
Belle Murray	Box 605, Sumter, S. C.

ST. LUKE

Robert Green	R-3, B-166, Sumter, S. C.
Mobina Wright	R-3, B-166, Sumter, S. C.
Annette Green	R-3, B-166, Sumter, S. C.
Carrie Vaughn	R-3, B-225, Sumter, S. C.

TINDAL

Isaac McBride	R-2, B-135, Sumter, S. C.
Agnes Dwyer	R-2, B-134, Sumter, S. C.
Hattie Swinton	R-2, B-185, Sumter, S. C.
Hattie Leneau	R-1, B-307, Sumter, S. C.

JORDAN-CANES SAVANNAH

Lewis Roberson	R-3, B-63, Sumter, S. C.
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WEDGEFIELD

Rebecca Ramsey	Box 65, Wedgefield, S. C.
Delia Maple	R-1, B-42, Wedgefield, S. C.

BROGDON

Elsie Wilson	R-2, B-102-A, Alcolu, S. C.
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NEBO

Eddie Boone	R-2, B-87, Dalzell, S. C.
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REMBERT MEMORIAL

Julia Alston	R-2, B-18, Rembert, S. C.
Tom Boyd	R-2, Rembert, S. C.



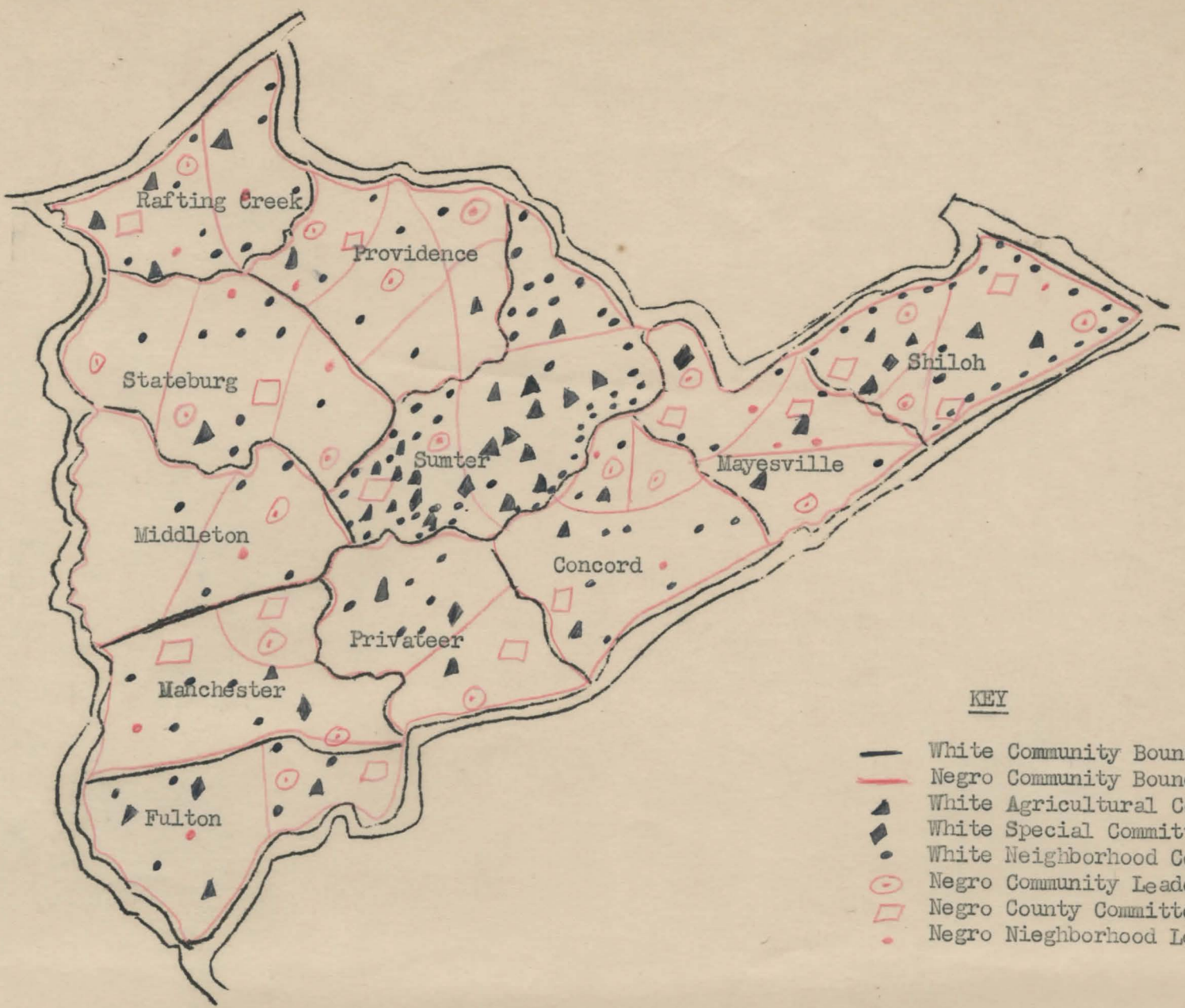
Community and Neighborhood Leaders \* Colored - (Cont'd)

SHILOH

W. B. Keels  
Annie May Dickey

R-2, B-225, Lynchburg, S. C.  
R-2, B-221, Lynchburg, S. C.





KEY

- White Community Boundaries
- Negro Community Boundaries
- ▲ White Agricultural Committeemen
- ◆ White Special Committee
- White Neighborhood Committeemen
- Negro Community Leaders
- ◻ Negro County Committeemen
- Negro Neighborhood Leaders



Lime Program:

We have cooperated with the Production Marketing Administration in an effort to get a large amount of lime and superphosphate used in the county.

The following results have been obtained.

<u>Year</u>	<u>Tons Lime Delivered</u>	<u>Tons Superphosphate Delivered</u>
1946	4,320	1,135
1947	5,023	1,000
1948	1,825	1,638

AGRICULTURAL ECONOMICS:

Outlook: The outlook for the year was discussed at meetings, in papers, and on weekly radio programs through the season.

Number outlook meetings held-----6  
Total attendance-----300

Farm Planning: In view of the fact that there is more interest by young people in farming now than ever before, a considerable amount of time spent during the year assisting farmers and particularly young farmers in planning their farming operation. Also, in view of the fact that machinery is becoming more and more popular as well as livestock, this has caused a number of farmers to change their plans of operation.

Number of farmers assisted with farm planning - - - - -360

Farm Credit: The following is a yearly list of borrowers and of the amounts of the loans made by these agencies:

Year	Seed Loan		Production Credit		Farmers Home Admins.	
	No.	Amount	No.	Amount	No.	Amount
1938	788	\$ 74,860.	245	\$120,000.	153	\$30,044.
1939	685	75,785	177	101,000.	266	81,098.
1940	737	88,870	134	85,250	259	56,037.
1941	678	85,445	160	108,919.	270	56,203.
1942	772	103,935	179	165,306.	317	75,000.
1943	676	109,030	192	190,045.	328	53,000.
1944	669	121,100	25	50,450.	167	45,626.
1945	652	131,155	203	205,677.	142	38,165.
1946	689	145,480	222	228,846.	208	72,458.
1947			228	275,087.14	1026	288,975.
1948			277	345,963.75	553	144,520.

Cooperation with farm credit agencies: All agencies of the farm credit administration work very closely with our office. The Production Credit, Farmers Home Administration, and Federal Land Bank offices are all in the same building.

We discuss with the farmers their credit needs then refer them to the agency which suits the best. We work very closely with the committees of these credit agencies, attend their annual meetings, and discuss with them credit problems.

Representatives of the credit agencies likewise meet with us at our various planning meetings and cooperate to the fullest extent with our program of work.



AGRICULTURAL ECONOMICS: (Cont'd)

Landlord-Tenant Relations: There is a definite trend towards sharecropping in Sumter County. A large number of landlords have expressed the fact that they are finding that sharecropping is about the best method of handling labor. This method seems to tie the worker to the land and at the same time gives the landlord control over the management.

Acreage, Yield and Production of Cotton, Sumter County, South Carolina for 1909, 1919, 1924, and for the 20 year period 1928-1947.

Year	Acreage in Cultivation (acres)	Yield per planted acre (Pounds)	Production (bales)
1909	67,727	230	32,639
1919	79,500	283	47,200
1924	60,500	137	17,400
1928	69,800	142	20,800
1929	64,200	146	19,600
1930	61,000	253	32,300
1931	56,500	266	31,400
1932	58,000	198	24,000
1933	57,900	382	25,900
1934	41,000	313	26,800
1935	43,600	296	27,000
1936	46,800	342	33,600
1937	65,700	274	37,600
1938	41,200	246	21,100
1939	46,100	412	38,850
1940	46,100	385	36,300
1941	45,800	88	8,155
1942	42,000	269	23,320
1943	41,800	315	27,500
1944	42,400	413	36,500
1945	37,500	367	28,700
1946	40,800	402	34,200
1947	45,000	362	34,000

AGRICULTURAL ENGINEERING:

Farm Buildings: Plans were furnished for the construction of the following buildings:

Brooder houses	20
Brick brooders	5
Potato houses	3
Self feeders	4
Poultry houses	10
Septic tanks	3
Farm Homes	2
Dairy Barns	2

Rural Electrification: Our Electric Cooperative that this office helped set up has at present the following:

2865 miles of rural lines  
1828 consumers

Farm Machinery: We have cooperated with farm machinery dealers in assisting in every way possible with education, particularly in the care of farm machinery. Tractor maintenance and care schools were conducted.

Number of combine schools	1
Total Attendance	86

There has been considerable increase in tractor farming as evidence by the increase of tractors in the county in spite of the extreme shortage. The following shows the number of tractors by makes placed this year:

<u>Kind</u>	<u>Number</u>
Farmall	12
John Deer	8
Oliver	8
Allis Chalmers	15
Chase	5
Ford	37
Total	<hr/> 85



Harvesting Grain: The following combine owners were contacted and they agreed to harvest the grain crop in the county. This was done, thus saving our grain crop this year.

COMBINE OWNERS - CUSTOM WORK

<u>NAME</u>	<u>ADDRESS</u>
Mrs. E. C. Goza	Mayesville, S. C.
Dick Forester	Sumter, S. C.
J. M. Edens	Dalzell, S. C.
H. C. Edens	Dalzell, S. C.
C. D. Cabbage	Dalzell, S. C.
P. K. Bowman	Dalzell, S. C.
Phil Booth	Sumter, S. C.
W. R. Wells	R-4, Sumter, S. C.
Sidney McClary	R-3, Sumter, S. C.
Doctor Richardson	Rembert, S. C.
Hugh Witherspoon	Mayesville, S. C.
Clarence E. Coker	Turbeville, S. C.
Elisha Spencer	Mayesville, S. C.
W. G. Spencer	Mayesville, S. C.
H. M. McLaurin	R-3, Sumter, S. C.
J. E. Turner	Mayesville, S. C.
Jack Britton	R-1, Sumter, S. C.
J. H. Montgomery	Gable, S. C.
J. T. Witherspoon	Gable, S. C.
J. T. Glasscock	R-4, Sumter, S. C.
S. A. Harvin	Sumter, S. C.
Millen DesChamps	R-3, Sumter, S. C.
J. T. Dennis	Rembert, S. C.
Tom DuBose	Oswego, S. C.
Henry Rembert	Oswego, S. C.
James Bradham	Oswego, S. C.
L. S. Jervey	Rembert, S. C.
T. S. DuBose	Oswego, S. C.
Frank Baker	Rembert, S. C.
Miss Annie O. Keels	Rembert, S. C.
Lynwood Davis	R-1, Sumter, S. C.
J. E. Mayes	Mayesville, S. C.
W. R. Mayes	Mayesville, S. C.
E. T. Gullledge	Wedgefield, S. C.
J. L. Brogdon	R-1, Sumter, S. C.
A. L. Hodge	R-1, Sumter, S. C.
E. L. Yarborough	Cowards, S. C.
J. T. Johnson	Lynchburg, S. C.
J. F. Bland	Mayesville, S. C.
W. E. Brunson, Jr.	Sumter, S. C.
Dr. C. J. Lemmon	Sumter, S. C.
Bob Heriott	Pinewood, S. C.
Jim Aycock	Pinewood, S. C.
W. B. Boyle Co.	Sumter, S. C.
E. M. Kelley	Olanta, S. C.
H. L. Jackson	Horatio, S. C.
J. H. Jackson	Horatio, S. C.

AGRICULTURAL ENGINEERING (Cont'd)Combine Owners - Custom Work (Cont'd)

<u>NAME</u>	<u>ADDRESS</u>
C. S. Anderson	Sumter, S. C.
John A. Blackwell	Mayesville, S. C.
A. T. Reames	R-5, Sumter, S. C.
J. T. Dennis	Rembert, S. C.
Charles Mason	Sumter, S. C.
James Brown	Oswego, S. C.
T. C. Croft	Sumter, S. C.
P. K. Bowman	Sumter, S. C.
Hugh Colough	Sumter, S. C.
M. L. Lawrence	R.F. D.1, Sumter, S. C.
A. M. Burrows	Oswego, S. C.
J. B. Pate	R-4, Sumter, S. C.
J. B. Gaddy	R-4, Sumter, S. C.
B. H. Goodson	Sumter, S. C.
H. T. Craven	Sumter, S. C.

Tractor-Binder Owners

L. K. Jackson	Dalzell, S. C.
R. Q. Moore	Olanta, S. C.
West Fullwood	Lynchburg, S. C.
Alfred Johnson	Lynchburg, S. C.
Tom Atkinson	Turbeville, S. C.
C. V. Green	Lynchburg, S. C.
J. B. Green	Lynchburg, S. C.
J. T. Truluck	Lynchburg, S. C.
D. M. Winkles	Oswego, S. C.
R. C. McLeod	Rembert, S. C.
Levi Moore	Olanta, S. C.
J. B. Mellette	R-3, Sumter, S. C.
W. A. Brown	R-3, Sumter, S. C.
R. M. Moore	Horatio, S. C.
J. H. Harris	Horatio, S. C.
McBride Dabbs	Mayesville, S. C.
T. E. McFadden	Mayesville, S. C.
W. E. Skinner	Mayesville, S. C.
Jeff Isaac	R-1, Gable, S. C.

Cotton Pickers

Three Cotton Pickers were in operation in Sumter County during 1948.



AGRONOMY:

Cotton Improvement Contest: The following is a summary of the five-acre cotton improvement contest results for the last 20 years in Sumter County:

SUMMARY 5-ACRE COTTON DEMONSTRATION 1928-1948

Year	Number Demon- strations	Lint per Acre	Value per Acre	Cost per Acre	Profit per Acre
1948	12	730	\$ 250.34	\$ 94.05	\$ 147.74
1947	13	808	266.51	104.27	162.26
1946	12	803.6	338.36	79.76	258.60
1945	15	683.8	157.98	22.48	126.24
1944	12	802.4	195.64	63.86	131.78
1943	6	468	109.47	52.09	57.38
1942	13	636.2	150.17	44.24	105.92
1941	37	295.2	53.61	22.76	30.85
1940	45	750	69.11	39.95	49.32
1939	43	853	93.38	43.31	50.02
1938	16	552	59.07	55.01	24.06
1937	34	610	69.59	31.02	36.57
1936	15	301	124.44	30.89	54.58
1935	15				
1934	11				
1933	No Contest				
1932	No Contest				
1931	8	615	51.55	43.38	15.23
1930	13	498	60.39	42.65	17.76
1929	14	445	93.35	45.85	49.50
1928	13	565	100.21	45.16	63.05

AGRONOMY: (Cont'd)

The following is a detailed summary of the 1948 compilations in the Statewide cotton improvement contest in Sumter County:

PER FIVE ACRES

Names	Lbs.			Value of Crop	Cost of Prod.	Net Profit
	Seed Cotton	Lbs. Lint	Lbs. Seed			
C. Brunson, Jr. (Clarence)	13,847	5,538	8,309	\$ 1910.67	\$ 661.15	\$ 1249.52
L. G. Cabbage	11,058	4,091	6,967	1136.31	468.67	967.64
J. T. Dennis	9,450	3,322	5,655	1166.25	429.35	663.90
R. H. Bailey	8,050	3,220	4,830	1239.70	437.00	802.70
W. T. Wilson	9,985	3,694	6,291	1296.93	532.07	764.86
G. A. Nettles, Sr.	9,660	3,864	5,313	1318.59	660.91	657.68
Henry Lesene	7,223	2,539	4,694	912.52	369.94	542.58
Daisy Peterson	9,580	3,367	5,734	1082.12	406.10	576.02
Wylie Lowder	8,764	3,330	5,434	1162.02	401.10	620.92
J. R. White, Sr.	9,485	3,794	5,691	1308.93	483.85	825.08
W. A. Tisdale	8,930	3,304	5,626	1159.98	525.55	634.43
Albertus Shaw	10,749	3,778	6,431	1026.33	467.03	559.30
Totals	1,167.81	43841	70975	15020.35	5842.72	8864.63
Averages	23356	8768	14195	3004.07	1168.54	1772.92



AGRONOMY: (Cont'd)

Corn: As a result of high nitrogen applications and close spacing demonstrations carried on in 1948, the yield of the corn in the county has increased considerably. Hybrid corn is being planted more and more.

The following shows the results of seven of our demonstrations:

Name	Variety	Bu. per Acre	Cost per Acre	Cost per Bushel	Value per A.	Profit Per Acre
M. Evans	Douthuts	50	25.40	.50	75.00	49.60
J. Dabbs	Bradfuds Yellow	53½	31.99	.60	93.62	61.63
William Stafford	McCurtis Hybrid	60	38.90	.65	90.00	61.10
Tom Williams	Douthuts Prolific	40	25.80	.65	60.00	44.20
William Ward	Douthuts "	60	30.10	.50	90.00	59.90
Milton Watts	Douthuts "	75	50.10	.67	149.90	98.80
Robert Stafford	Douthuts "	60	43.80	.73	90.00	46.20
Average		57	35.15		92.64	60.20

Sweet Potatoes: Sweet potatoes are increasing in popularity as a crop in Sumter County. It has been determined that a great many acres of our soil is particularly adapted to sweet potatoes.

The crop is beginning to be mechanized. One of our larger growers used a two row planter last year and dug with a tractor plow. Another grower used a vine remover and irish potato digger to a great advantage.



AGRONOMY:

(Cont'd)

Lespedeza: We are going all out for the planting of this crop on the suitable lands another year. At this time of labor scarcity, increased feed needs, and increased grazing needs, it beats anything else we have, as evidenced by increase in acreage.

Acres planted in 1940 - 303  
Acres planted in 1948 -1,000

For Hay: It makes at least twice the tonnage of peas, cures in a fourth the time, is nutritious, and easier to handle. The acreage for hay is growing rapidly over the county.

More and more farmers who have the heavier lands are saying they are through with cowpeas for hay. It is lespedeza from now on.

Our Farmers' Exchange and F.C.X. handled many tons of seed for us and hundreds of new growers are delighted with it.

Dixie Wonder Peas: The demonstrations with the Dixie Wonder peas showed an excellent growth. However, the extreme cold weather seemed to kill the crop. The Dixie Wonder pea is being planted more extensively, particularly since cattle will eat it and also due to the fact that it makes larger growth earlier. There were 22,565 pounds of Dixie Wonder peas planted.

Peanuts: The peanuts acreage is still on the increase in Sumter County. The Peanut Plant burned down last January and suffered a loss of \$197,000 which was partially covered by insurance. The plant has been rebuilt and is more modern than the original. The prices paid this year were several dollars a ton higher than 1947.

Cotton Seed Treatment: Following successful seed treatment demonstrations put on over the county some years ago. The practice has grown until now the vast majority of the farmers treat their cotton planting seed regularly. We have a commercial seed treatment outfit that works the larger lots all winter, and many of the barrel outfits operate over the county on the small lots. Cotton seed treatment has ceased to be new and has become an established custom.

Cotton Seed Improvement: The cotton improvement contest has done a lot to promote good seed over the county. In addition, many farmers follow the practice of getting a few seed direct from the breeder each year from which they grow their planting seed for the following year. Our Farmers' Exchange and F.C.X. stocks seed direct from the breeder and thus makes them easily accessible to the average farmer. We are practically a one variety county now - Cokers' 100 Wilt.



AGROMOMY: (Cont'd)

Fertilizers: Conditions have not changed regarding the fertilizer situation enough to warrant home mixing of fertilizers. It appears that fertilizer materials are increasingly harder to get for mixing. We are simply standing by waiting for the materials to become available again as at one time we mixed over 80% of our fertilizer.

A new inroad on the use of ammonia has been set up by fertilizing our winter grazing in the fall. Eight tons of ammonia was distributed to our winter grazing demonstrations and this was applied to these demonstrations.

WINTER GRAZING DEMONSTRATORS

H. M. McLaurin & Son	Sumter, S. C.
Dr. C. J. Lemmon	Sumter, S. C.
W. J. Lawrence, Jr.	Sumter, S. C.
R. J. Barnett	Sumter, S. C.
Green Acres Farm	Sumter, S. C.
Booth Farm Inc.	Sumter, S. C.
Alfred Scarborough	Sumter, S. C.
J. Frank Williams	R-5, Sumter, S. C.
F. M. Cain	R-5, Sumter, S. C.
J. B. Brogdon	R-5, Sumter, S. C.
E. W. Spann	R-5, Sumter, S. C.
J. W. Edens	R-5, Sumter, S. C.
J. G. Simmons	R-3, Sumter, S. C.
Robert Green	R-3, Sumter, S. C.
C. Mooneyham	R-2, Sumter, S. C.
J. C. McElveen	R-1, Lynchburg, S. C.
J. T. Witherspoon	Gable, S. C.
J. F. Prescott	R-1, Gable, S. C.
R. M. Moore	Horatio, S. C.
Clement Shirer	Rembert, S. C.
R. J. Aycock	Pinewood, S. C.
W. R. Keels	Pinewood, S. C.
John A. Owen, Jr.	R-1, Oswego, S. C.
Charles W. Young	R-1, Oswego, S. C.
E. T. Gullledge	Wedgefield, S. C.

Seed Testing: Our office has become a clearing house for seed testing. Many farmers never plant a seed that is not tested for germination and purity. They bring the samples to us and we send them off and get the reports back. Most of the samples sent represent large lots intended for use as planting stock on the farm from which they come or for sale as planting seed to neighbors.

The following is a summary of such samples sent off this year:

Corn	1
Wheat	3
Oats	18
Cotton	49
Cowpeas	1
Total	<hr/> 72

AGRONOMY: (Cont'd)Improved Pasture Demonstrations:

<u>Name</u>	<u>No. Pastures</u>	<u>Improved Practices</u>
Dr. C. J. Lemmon	2	Fertilization, Lespedeza, Bermuda and Mallis Grass
H. J. Harby	3	Do.
E. T. Gullledge	3	Winter Grazing
H. M. McLaurin	3	Do.
J. G. Simmons	2	Winter Grazing
H. L. Jackson	2	Do.
R. M. Moore	1	Winter Grazing
C. A. Jackson	2	Do.
J. E. Sanders	2	Do.
Miss Annie O. Keels	1	Do.
H. C. Edens	1	Do.
J. M. Edens	2	Do.
F. M. Johnson	1	Do.
E. B. Boyle (Peebles Farm)	2	Do.
E. B. Boyle (Jones Farm)	2	Do.
E. B. Boyle (Avin's Farm)	2	Do.
A. C. Robinson	1	Do.
M. DesChamps	2	Do.
W. J. Lawrence	1	Do.
M. L. Lawrence	1	Do.
Clayton Lowder	1	Do.
W. Y. Pitts	1	Do.
J. P. Booth	2	Do.
J. F. Bland	2	Do.
Mrs. E. C. Goza	1	Do.
J. A. Blackwell	1	Do.
McBride Babbs	1	Do.
J. A. McKnight	1	Do.
A. T. Reames	1	Do.
J. A. Reames	1	Do.
C. H. Truluck	1	Do.
D. P. Elliott	1	Do.
Dr. C. J. Lemmon	1	Winter Grazing
R. M. Jones	1	Do.
Ben Sanders	1	Do.
E. M. Watt	1	Do.
Roy Kolb	1	Do.
H. F. Tindal	1	Do.
E. T. Gullledge	1	Do.
H. M. McLaurin, Jr.	1	Winter Grazing
J. A. Stanley	1	Do.



AGROMONY: (Cont'd)

Soil Testing: Farmers are getting more and more interested in soil acidity. Most of them just assume that their soils need lime and go ahead and use it. However, for some special crops and for some special liming program, they wish to know the pH of their soils. We assist them in taking and sending them off.

Number of samples  
sent this year - - - - -32

Tobacco: Most of the tobacco work was conducted on Blue Mold Control. Fermate use has become a wide spread practice.

Plant Lice: Plant lice or Tobacco Aphid showed up for the first time this year. A number of demonstrations were conducted in the control. Following are Results:

No. farms reporting - - - - -	4
Total acres tobacco of farms- - - - -	25.1
No. square yards of plant beds on farms - - - - -	2350
No. farms treating plant beds with Fermate for Blue Mold control - - - - -	3
No. farms having aphis on plant beds- - - - -	0
No. farms having aphis and treating plant beds with DDT for aphis control- - - - -	0
No. farms having no aphis on plant beds, but treating with DDT as precaution against fiels infestation - - - - -	0

Time of appearance of aphis in field:

None	<u>0</u>
Early	<u>0</u>
Mid-season	<u>0</u>
Late	<u>4</u>

No. farms treating for aphis control in field, with results obtained:

Using 10% DDT Dust	<u>2</u>
<u>Control:</u>	
Excellent	<u>2</u>
Good	<u>0</u>
Fair	<u>0</u>
Poor	<u>0</u>
Using TEPP Spray	<u>1</u>
<u>Control:</u>	
Excellent	<u>1</u>

ANIMAL HUSBANDRY:

HOGS:

We now have three local hog markets in Sumter, two of them being daily and one weekly. The F.C.X. and Harvin Packing Company buy daily and the Farmers Exchange buys on Tuesdays. With the price of feed as it is and hog prices where they are -- hogs look to be in favor during coming year.

We now have several purebred Duroc Hampshire and Poland China breeders to supply our local demand with good breeding stock.

One of our Hampshire breeders, J. R. White, Sr., topped the State Sale while our Poland China breeder, C. W. Brunson, Jr., won the Grand championship on a Poland China boar at the Southeastern Show and Sale. Our leading Duroc breeder, Henry Fox Tindal, was the largest winner with his herd at the State Fair this year.

No. Purebred Hogs Placed - - - - - 46

Sodium Flouride Treatment:

Our hogs admittedly are heavily infested with parasites and Sodium Flouride is becoming more widely used as a remedy for worms. In every instance where Sodium Flouride is fed properly, excellent results have been obtained.



ANIMAL HUSBANDRY: (Cont'd)

HOG MARKETING

<u>Year</u>	<u>Hogs</u>	<u>Lbs. Sold</u>	<u>Average</u> <u>Net Lb.</u>		<u>Net</u>	<u>Average</u> <u>Weight</u>
1928	1,359	256,689	8.03¢	\$	20,569.33	189
1929	1,408	243,138	9.43¢		22,903.38	164
1930	1,480	266,655	9.69¢		25,837.48	180
1931	3,178	573,749	6.47¢		37,107.25	180
1932	2,822	510,889	3.88¢		19,797.59	181
1933	3,507	478,121	3.54¢		16,937.63	184
1934	906	171,424	4.7 ¢		8,047.22	189
1935	1,430	297,837	8.7 ¢		23,550.40	204
1936	5,331	1,015,494	9.3 ¢		94,508.10	190
1937	10,365	1,915,989	8.56¢		163,829.79	185
1938	7,128	1,301,133	7.31¢		95,150.38	184
1939	9,908	1,608,902	6.31¢		115,327.90	183
1940	6,572	1,184,895	5.4 ¢		63,586.34	165
1941	9,038	1,632,495	7.50¢		123,129.86	181
1942	10,001	1,835,695	11.4 ¢		208,534.82	183
1943	7,664	1,456,264	13.21¢		192,412.49	190
1944	6,396	1,300,530	12.1 ¢		158,533.97	203
1945	3,667	772,095	13.33¢		94,951.88	194
1946	1,885	393,433	14.40¢		53,647.96	208.7
1947	3,271(FCX)	615,863	22.03¢		135,663.61	188.3
1947	10,000(FE)	753,200	22.03¢		165,929.90	75.3
1948	3,092(FCX)	591,430	23.36¢		138,182.05	191.2
1948	6,328(FE)	1,158,680	21.82¢		252,866.89	183.1

Hog Cholera: Disease control is a very important matter to the hog grower. Cholera is the main thing. We have an agreement with the State Veterinarian and the local veterinarian that all calls to treat hogs are handled through our office. This authority to the local veterinarian is helping the situation in simplifying procedure.

We had some outbreaks of cholera this year. Prompt action though has kept losses down. The following number of calls were handled through this office, and treated by the veterinarian:

Total number of calls        127  
Total number hogs treated 5,113

ANIMAL HUSBANDRY: (Cont'd)

Pure-bred Hogs Placed: The following is a summary of pure-bred hogs placed during recent years and brought up to date:

<u>Year</u>	<u>Boars</u>	<u>Guilts</u>
1929	1	2
1930	8	10
1931	6	37
1932	16	28
1933	No record	0
1934	No record	0
1935	8	7
1936	12	27
1937	15	21
1938	38	18
1939	27	36
1940	26	28
1941	39	59
1942	37	28
1943	28	26
1944	8 $\frac{1}{2}$	18
1945	16	26
1946	18	39
1947	22	44
1948	25	52

Production of Registry Work:

We have worked very closely with J. R. White, Sr. in the production of Registry work with his Hampshire herd.

Number litters in Production of Registry - - - - - 10



ANIMAL HUSBANDRY: (Cont'd)

Beef Cattle:

There is a growing interest in beef cattle in all sections of the county. We now have a number of pure bred cattle along with several excellent grade commercial herds.

Lime phosphate pastures and good winter grazing are helping us to fit the cattle program into our general farming program.

Our farmers are realizing more and more that cattle must harvest their own feed and make efficient use of a lot of feed that would normally be waste on the farm. All of our cattle men who started in the cattle business seven years ago are still in it except one and plus several more. Our beef cattle industry can be traced back to our 4-H Beef Calf Club at its beginning.

Introduction of Breeding Stock:

Our growers are continually improving their herds by better sires and by buying a few better cows. This is evidence by the fact that all steers in our 4-H Steer Feeding Program this year are local cattle.

The following is a summary of pure bred Herefords placed during 1939-1948:

<u>Year</u>	<u>Bulls</u>	<u>Females</u>
1939	37	426
1940	30	148
1941	27	211
1942	31	181
1943	27	175
1944	11	115
1945	9	63
1946	7	50
1947	9	36
1948	7	30

ANIMAL HUSBANDRY: (Cont'd)

Beef Cattle Show and Sale: In connection with our county fair, we cooperated with the livestock people in an attempt to establish an outstanding show of breeding cattle and hogs. According to "Chief" Starky of Clemson, our beef cattle show was the best ever to be held in South Carolina. Well over 100 head of cattle were exhibited and the beef cattle show lasted the entire day.

Following the show a banquet was held sponsored by Sumter County. Governor J. Strom Thurmond and Cedric Foster were the principal speakers. Trophies were awarded to best Hampshire exhibit, Best Poland China exhibit, best Duroc exhibit, best 4-H Dairy Calf exhibit, Get of Sire Hereford, Get of Sire Angus, Champion Bull and Cow of each breed.

The Swine Show was much larger than usual with exhibitors from several counties throughout the State.

Dairying: Following a tour made to good pastures in South Carolina last year, the Dairy program has been helped and now better pastures are in the making.

One Dairy in the County has been operated very satisfactorily on a partnership basis. There is still plenty of room for effecient dairying in the County.

During the Winter Months, we are producing 20% of the milk we drink in Sumter.

No. of New Dairymen helped to setup 3

One of the above three has started in a small way with 6 heifers. One in changing from beef cattle to dairying --30 cows. The third one will put in 50 cows, 25 have already been put in.

No. of Dairy Barns helped with 4

It now appears that our dairying is being gradually taken over by younger farmers and we are working with this group in an effort to revialize our program.



ANIMAL HUSBANDRY: (Cont'd)Dairying (Cont'd)

The following is a list of bottled milk producers in Sumter County:

<u>Name</u>	<u>Address</u>
B. H. Goodson	122 N. Purdy St., Sumter, S. C.
W. L. Currie	Rt-5, Sumter, S. C.
B. L. Britton	Rt-1, Sumter, S. C.
L. K. Britton	Rt-1, Sumter, S. C.
Kolb's Dairy	Rt-2, Sumter, S. C.
A. M. Brogdon	Rt-2, Alcolu, S. C.
E. M. Watt	Rt-5, Sumter, S. C.
R. M. Jones	Rt-1, Sumter, S. C.
R. C. Bradham, Jr.	Blue Ribbon Dairies, Inc. Sumter, South Carolina
J. A. Stanley	Winn St., Sumter, S. C.
Mrs. J. R. Singleton	Rt-2, Sumter, S. C.
Crosswell Home (W. C. James, Farm Supt.)	Sumter, S. C.
O. J. Knight	Winn St., Sumter, S. C.
Green Acres	Rt-1, Sumter, S. C.

4-H Dairy Calf Club:

In an effort to improve dairying in the county, a beginning has been made of the 4-H Dairy Calf Club and nine pure bred Jersey calves were placed.

The district 4-H Dairy Calf Club Show was held in connection with our county fair.

REPORT ON FEEDING IRISH POTATOES

Name of Farmer	Number of Animals	Kind of Animals	Amount of Potatoes Fed	Preparation of Potatoes	Kind of Grain & Grazing Used	Remarks, including farmers opinion of value
John Allen Watt	50	hogs	300 bags	cooked	corn	Liked them cooked
J. P. Booth	50	cattle	300 bags	raw	Lespedeza Bermuda	Very good feed
Eugene Jackson	30	hogs	75 bags	raw-chopped	Corn Bermuda	Hogs ate well
Fallow Jackson	15	hogs	75 bags	raw-chopped	Corn Crab Grass	Hogs ate well
J. E. Jackson	40	5 cows 35 hogs	75 bags	raw-chopped	Corn Crab Grass	Hogs ate well
Tommie Turner	17	2 cows 15 hogs	75 bags	raw	Corn Bermuda	Hogs ate well
Gene McLeod	50	4 cattle hogs	300 bags	raw	Corn Bermuda	Very good Cows ate well
J. B. Hilton	46	6 cows 40 hogs	300 bags	$\frac{1}{2}$ raw $\frac{1}{2}$ cooked	Woods pasture	Hogs ate well

The above is a report from farmers who fed irish potatoes to hogs with good results.



ENTOMOLOGY AND PLANT PATHOLOGY:

Cotton: As of November 1948, 38,656 bales of cotton have been ginned and it now appears that we will make well over 40,000 bales of cotton. This is fast approaching best years of pre weevil days.

The following information shows amount of poison used as sold by one concern: amount B-H-C Toxaphine and Chlorodane sold—180 tons. Estimated number of pounds of poison used in 1948 is 600,000 pounds. Number dusting machines sold by one concern—50.

Rat Killing Campaign:

Number Farmers Participating	575
Number Pounds Poison used	1725
Method of Distribution	25 County Stores

Beekeeping: The following is a list of beekeepers who are interested in this subject and who are doing a good job with their bees:

B. W. Folk	R-1, B-39A, Sumter, S. C.
McBride Dabbs	Mayesville, S. C.
M. H. Bradham	R-4, Sumter, S. C.
Joe Langston	Dalzell, S. C.
Jimmie Britton	R-1, Sumter, S. C.
W. B. Jenkins	R-4, Sumter, S. C.

D.D.T.

D.D.T. seems to have lost its killing power as a number of complaints have come in regarding it **not** killing flies. The State Farm had much better results with putting D.D.T. on cows than they did with spraying the barn.

Bill Bug Control: The Bill Bug has become a serious insect pest; however, a trial of water wettable B-H-C seems to kill the Bill Bug. It is believed that a mixture of B-H-C and possibly chlorodane will last longer and thereby kill longer.

On a demonstration on the farm of Reddin Prescott, bill bugs were definitely killed with a solution of 2½ pounds B-H-C to 5 gallons water sprayed on.

ENTOMOLOGY AND PLANT PATHOLOGY:

Weevil Control: A considerable amount of the agent's time was spent this year with the weevil control program. It is estimated that 75% of our cotton was poisoned. All poisons were used. B-N-C was used more than toxophene or cholorodane; however, good results were obtained from the poisons. The following results were obtained on our weevil demonstrations.

JAMES BURROWS: (4 applications)

<u>CHECK ACRE</u>	<u>B.H.C. CARE</u>	<u>CIORODANE</u>
317 bolls	348 bolls	394 bolls
47 stalks	62 stalks	77 stalks
38 $\frac{1}{2}$ "rows	38 $\frac{1}{2}$ "rows	38 $\frac{1}{2}$ "rows

I am confident I would have made less than  $\frac{1}{2}$  bale per acre if I had not poisoned. I will make 18 bales on same field that produced 4 bales last year.

H.D. TINDAL: (4 applications)

<u>CHECK ACRE</u>	<u>B.H.C. ACRE</u>
440 bolls	580 bolls
38" rows	38"rows

It was a wet time in June at my farm, and the weevils were bad. The poison really kept the infestation down and I know I made considerably more cotton on the poisoned acres of my farm. Poison certainly has a place in my farm operation.

THOMAS MCLEOD: (2 applications)

<u>CHECK ACRE</u>	<u>B.H.C. ACRE</u>
300 bolls	366 bolls
42"rows	42" rows

In my section it was dry during the fruiting season and the poison did not show up so good, but I certainly saw what it would do in case of a large infestation. I surely hope to continue with my poison.

F. M. JOHNSON:

The weevils were so bad on my farm until I could not leave a check acre. I made abale to the acre on some of my cotton, whereby if I had not poisoned, I believe I would have been lucky to have picked a quarter of a bale to the acre.



FORESTRY:

Fire Control: Since we have 196,500 acres of forest lands in the county, this makes forestry an important crop. We work closely with the forestry ranger through meetings, radio, and publicity in helping with the education program of fire prevention and timber growing.

The county had 34 fires with 331.2 acres burned over.

Pine Tree Seedlings: 256,000 pine tree seedlings were purchased and set out in Sumter County this year as compared with 173,000 in 1947.

DISTRIBUTION OF SEEDLINGS FOR FISCAL YEAR 1947-1948

<u>Name</u>	<u>Species</u>	<u>Number</u>
C. R. Baker	Slash	5,000
M. K. Brown	Slash	1,000
A. C. Burns	Longleaf	500
J. T. Buxton	Loblolly	30,000
W. R. Clark	Slash	10,000
T. B. Dunlap	Longleaf	2,000
Edmunds High School	Slash	500
Gable Investment Co.	Slash	15,000
J. B. Hilton	Longleaf	1,000
J. Kvaternick	Slash	5,000
Milford Plantation	Slash	20,000
S. L. Mims	Slash	5,000
Poinsett State Forest	Loblolly	16,000
Poinsett State Forest	Longleaf	42,000
Poinsett State Forest	Slash	60,900
J. A. Raffield	Slash	1,200
M. Rhodes	Longleaf	1,000
C. G. Rowland	Longleaf	5,000
Sherwood High School	Slash	1,000
S. M. Shierer	Slash	5,000
M. I. Stalhein	Longleaf	3,000
M. I. Stalhein	Slash	2,000
Sumter, City of	Slash	5,000
H. F. Tindal	Slash	5,000
W. M. Walter	Loblolly	1,000
W. M. Walter	Longleaf	1,000
A. L. Watts	Slash	2,000
G. Zeigler	Slash	5,000
	Total	<hr/> 256,000

FORESTRY: (Cont'd)

Timber Surveys: In cooperation with the Extension Forester and the State Forestry Department, the following woodland examinations were made and farmers advised as to timber they now possess. The following farms were surveyed:

Dec. 1, 1947 -- Oct. 31, 1948

Farmer	No. Acres Examined	No. Acres Marked	Bd. Ft. Marked	Cords Marked
Alderman-Shaw	78	47	164,236	
B. W. Brogdon	80			
Julian T. Buxton	152			
L. G. Cabbage	40			
D. J. DesChamps		100	208,496	
J. W. Edens (2)	163			
J. Andrew Harker		45	204,516	
A. B. Holland	750			
Mrs. C. B. Mitchell	33			
E. A. Thompson	75			
E. C. Winkler	13			
TOTAL	1384	192	577,248	



HORTICULTURE:

Gardens: Gardens were encouraged and timely information was given out through every means at our disposal. The idea of field gardens has been promoted.

Fruit and Nut Trees: A comparative shipment of fruit trees, nut trees, and vines was made up and the following were ordered:

	<u>Number</u>	<u>Variety</u>
	108	Peach
	4	Pear
	4	Apple
	2	Plum
	3	Grape
	13	Fig
Total:	<u>118</u>	Pecan
	<u>252</u>	

Peach Orchards:

We now have only one commercial peach orchard in the county, the rest having fallen due to root knot and disease. H. M. McLaurin & Son are working very closely with Mr. Roy Ferree at this office in attempting to keep their orchard clean and free from worms.

Sweet Potatoes: For the second year in succession, our 4-H boys won the South Carolina Sweet-Potato Contest and shipped a car of U.S. No. 1's to Boston where they watched the potatoes unloaded and sold in the retail stores.

The following boys made the trip:

Cecil Atkinson	Joe Dabbs
Frank Kelly	Herman Turner
Luther Welsh	John W. Blackwell
Harry Truluck	

Total Number Bushels grown by boys                      2,152

The total yields ranged from 250 to 506 and the Number 1's from 147 to 337 bushels.

The following results were obtained from the trip:

1. South Carolina Potatoes featured on menu on train
2. President received basket
3. Federal Director, Secretary of Agriculture, Congressmen and Senators received baskets
4. Associated press pictures in leading papers
5. Interviewed on 5 radio programs including Fred Waring Show in New York
6. Potatoes served in Congressional Resturant in Washington
7. Editorials appeared in New Orleans Papers
8. Editorials appeared in other leading papers.

POULTRY:

Dressing Plant: A poultry dressing plant has been set up in the county on the farm of J. E. Davis & Son and considerable amount of poultry is being dressed and marketed in Sumter.

Hatcheries: We now have only one commercial hatchery in the county:

DuBose Hatchery                      40,000 capacity

Turkeys: Paul Thomas, who now owns and operates the Southeastern Turkey Ranch and Hatchery, has developed a unique marketing system, through which he advertises through all the papers extensively and offers to the public turkeys of any size; half turkeys, live turkeys, dressed turkeys, or frozen turkeys, and by doing so, he has created a local market for the sale of 9,000 turkeys.

Flock Owners: The following is a report of flock owners in Sumter County:

<u>Name</u>	<u>Number Birds</u>	<u>Number Birds Reacted</u>	<u>Number Birds Culled</u>	<u>Number Dozen Hatching Eggs Sold</u>	<u>Value with Premium</u>
Sophie Dabbs	696	0	0	1,180	888.20
N. C. Griffin	177	2	0	508	308.54
W. G. Griffin	466	1	3	2,000	1,575.20
Ross McKenzie	219	1	9	1,042	803.58
Frank Williams	187	0	0	709	506.75



VISUAL INSTRUCTION:

With our movie machine we have been able to show the following movies this year:

<u>Kind of Meeting</u>	<u>No. attending</u>
Farmers	120
Farmers	110
4-H Meetings (16)	816
Home Dem. Clubs	350
	<hr/>
Total	1396

A.A.A. ACTIVITIES:

We still work in closest cooperation with our Triple-A forces. This cooperation is mutual. We handle their educational work through our meetings, weekly newspaper column, and weekly radio program. And they help us by making it possible for our farmers to get lime and other aids needed in our program for a diversified agriculture and richer soils. We confer constantly with them so as to keep posted, and so that mutual interest and helpfulness can be kept up.

PUBLICITY WORK:

Newspaper: We have attempted to conduct a weekly newspaper column and furnish the reporter with news of interest from time to time.

Radio: Our weekly radio program too has been a great help in getting our messages to our people. We have conducted them regularly made them cover a wide variety of subjects each week so as to carry something of interest to all listeners, and we know from listening reactions that this program hits the spot with our folks.

A summary of radio broadcasts from the first one put on in 1940 follows:

SUMMARY OF RADIO BROADCASTS

<u>Year</u>	<u>Number</u>
1940 (April 29th)	35
1941	52
1942	52
1943	52
1944	52
1945	48
1946	52
1947	54
1948	71
	<hr/>
	468

VISUAL INSTRUCTION: (Cont'd)

Nutrition: Corn Meal Enrichment: Several days were spent visiting corn mills and getting enrichment across.

No. New Enrichment Devices put on - - - - - 3



41.

MISCELLANEOUS:

Farmers' Exchange: We were instrumental in getting our Farmers' Exchange organized in 1933, and since then we have worked closely with it. It has never made a lot of money nor grown very big, but it continues to perform a very worthwhile service to the farmers of the county. It handles our cooperative orders for fruit and nut trees, hog shipments, buys pecans, eggs, seeds, etc., and stocks anything we need in our work over the county like lice powder, mineral mixtures, feeds, lespedeza, and pasture seeds, etc. We continue to give it our fullest cooperation.

N. C. Farmers' Cooperative Exchange: The North Carolina Farmers' Cooperative Exchange is rendering a valuable service to the farmers in this territory by establishing a market for grain, seeds, and livestock. The manager has been particularly cooperative with our office and has assisted us in every way possible to promote better agriculture in the county.

County Fair: Our county fair is put on by the American Legion and we have worked hand in hand with it since it was organized in 1927 to make it a real agricultural fair. The fair continues to grow and this year one of the highlights of the fair was the livestock show, which, according to our livestock specialist, was the best beef cattle show ever held in the state.

The fair manager is very cooperative and shows an extreme interest in livestock and 4-H boys and girls.

Service Clubs: We work with our service clubs in their town-country relationships and address them a time or two a year upon their invitation to keep them informed of our efforts over the county, and of trends in agriculture.

Office Work: Extension work has progressed to the point in this county and is so well known that much time is required to handle the many calls coming to the office. It pretty nearly keeps one person busy answering the telephone, and the callers at the office keep us busy most of the time, and especially on our office days.

FOUR-H CLUB WORK:Boys' 4-H Club Work

This work was conducted in 16 clubs in Sumter County in 1948, with an enrollment of 318 farm boys. A total of 171 demonstrations were completed by 164 boys, averaging 51.5 percent.

Name of Club	No. Boys Enrolled	No. boys completing demonstrations	Number Demonstrations Completed	Percent of Members Completing Demon.
Bethel	12	6	6	50
Brogdon	15	8	8	67
Concord	8	8	11	100
Hillcrest	17	8	8	47
Jordan	16	6	6	38
Junior High	32	21	21	70
Lemira	20	9	9	45
Miller	15	7	9	40
Mayesville	30	14	16	53
Oswego	14	8	12	57
Pinewood	19	3	3	2
Providence	14	12	12	90
Sherwood	46	20	20	43
Senior High	35	17	17	50
Wilder	18	8	8	50
Wedgfield	7	6	6	85
Totals 16	318	163	172	887



FOUR-H CLUB WORK:1948 Florence Fat Stock Show

The following 4-H Club boys showed and sold calves at the show and sale:

Name	No. Animals	Days Fed	Gain In Wt.	Total Value	Total Cost	Profit
Bernard Avin	1	205	225	184.55	170.30	14.25
Hubert Avin	1	205	200	168.35	161.00	7.35
Roland Avin	1	205	230	172.40	154.23	18.17
Earl Goodman	1	183	270	227.20	206.12	20.10
Wayne Johnson	1	228	360	282.00	215.50	66.50
Clayton Lowder, Jr	1	215	325	349.50	302.00	47.50
Jimmie Lowder	1	215	265	206.55	202.00	4.55
Charles Marshall	2	270	575	487.95	485.50	2.45
Phillip Weatherly	2	182	420	357.95	324.60	31.25
	11	1908	2870	2436.45	2221.25	212.12

1948 Dairy CalvesFlorence Fat Stock Show - March 23-24

John W. Blackwell	1st, 3rd	\$ 14.00
Woodrow Brown	1st	9.00
Russell Hatfield	1st	9.00
Clyde Mixon	2nd	7.00
Graham Pritchard	1st	9.00
Jack Skinner	2nd	7.00
Clark Watts	1st	9.00
Donald Watts	2nd	7.00
	TOTAL	71.00

FOUR-H LIVESTOCK JUDGING CONTEST

The Sumter County 4-H Livestock Judging competed in the District Contest held at the Mt. Pleasant Plantation down near Andrews on Saturday, May 15. Out of the 14 teams competing, Sumter placed third.

Name of Member	PIG CLUB		County Gain In Wt.	Fattening		Class
	No. Animals	Days Fed		Total Value	Sumter	1948
					Total Cost	Profit
Jimmie McDaniel	8	83	940	323.67	234.55	89.12
Freddie Tomlinson	1	154	170	47.83	36.05	11.78
Earl Floyd	1	193	167	51.18	34.79	16.89
Frankie Berry	1	176	134	32.45	28.60	3.85
Carl Weatherly	5	66	625	204.56	154.72	49.84
Ranny Phillips	1	240	220	55.00	50.38	4.67
Jimmie Coleman	3	180	375	150.00	180.00	-30.00
John Dabbs	2	115	232	72.00	62.94	9.06
John Hodge	1	180	110	30.40	25.30	5.10
Joe Hodge	1	212	180	47.28	31.64	15.64
Eugene Poole	1	240	205	67.50	55.50	12.00
Harold Brown	1	189	190	53.40	41.70	11.70
LeRoy Hatfield	2	243	310	74.06	58.14	15.92
Thomas L. Cook	2	122	224	54.20	46.73	7.47
Milton Evans	6	89	520	110.00	79.65	30.45
Milton Evans	6	80	390	120.00	82.00	38.00
Jerome Geddings	2	300	200	82.40	68.30	14.10
Theadus Osborne	1	270	175	50.00	35.00	15.00
Bill Prescott	1	182	140	45.25	39.47	5.75
Franklin Wilson	1	334	250	60.90	48.54	11.46
Dan Johnston	1	247	150	40.00	49.60	-9.60
Buddy Atkinson	1	66	55	27.00	23.50	3.20



FIG CLUB (Cont'd)

Name of Member	No. Animals	Days Fed	Gain In Wt.	Total Value	Total Cost	Profit
Milton Watts	4	92	420	150.00	123.30	26.70
James Kolb	1	164	150	42.00	29.70	13.30
James Brown	3	155	695	143.10	90.25	52.85
Phillip Weatherly	4	157	520	171.00	145.00	26.00
Burgess Hair	1	253	200	60.00	54.90	5.10
Gilbert Rogers	1	291	281	88.42	53.85	35.37
Marvin Timmons	3	180	370	158.40	123.50	34.90
Thad Ward, Jr.	2	550	308	170.00	135.75	34.25
Totals	68	5803	8906	2782.00	2223.35	559.82

## PIG CLUB

County Sumter 1948

Breeding Class

Name of Member	No. Animals	Value	Cost	Profit
Leon Prescott	1	92.45	60.30	32.15
Freddie Saunders	1	70.00	59.80	10.20
Ashton Phillips	1	67.50	48.60	18.90
Buddy Geddings	1	60.90	43.20	17.70
Lyman Lee Brunson	1	45.00	35.00	10.00
Furman Ridgeway	1	36.40	24.75	11.65
Franklin Jackson	1	38.74	32.74	6.17
Ray Pritchard	2	106.18	82.40	23.78
Bobby Jackson	1	102.00	60.00	42.00
Billy Poulous	1	50.00	24.95	25.05
Milton Watts	1	85.00	61.38	23.62
Amos Baker	2	150.00	92.37	57.63
Billy Baugham	1	55.00	43.05	11.95
James L. Tompson	1	60.00	38.95	21.05
Billy Driggers	1	65.90	44.95	20.95
Boyd Newman, Jr.	1	60.00	37.00	22.40
Leverne Lee	1	35.00	33.40	1.60
Totals	19	1,180.07	823.27	356.80



## PIG CLUB

(Sow and Litter Class)

<u>Name of Member</u>	<u>No. Pigs Farrowed</u>	<u>No. Pigs Raised</u>	County <u>Sumter</u> 1948		
			<u>Total Value</u>	<u>Total Cost</u>	<u>Profit</u>
Jimmy McDaniel	8	7	150.00	120.40	29.60
Bobby Coleman	5	3	95.00	70.50	24.50
Carson Prescott	10	3	87.50	92.90	-5.40
Ferrel Evans	6	6	270.00	218.86	51.14
Mack Robinson	6	0	All Died		
John Henry Sims	18	9	153.96	112.80	41.16
Richard Nichols	3	3	98.00	61.00	37.00
Milton Evans	13	12	160.00	88.00	72.00
Milton Watts	6	6	240.00	213.85	26.15
Milton Watts	12	6	245.00	237.28	7.72
Steven Truluck	6	3	100.00	85.00	15.00
Billy Ward	18	17	501.65	296.14	205.51
Leverne Newman	6	2	65.00	105.50	-40.50
<hr/>					
Totals	117	77	2166.11	1699.23	466.88





CALF CLUBDairyCounty Sumter 1948

Name of Member	No. Animals	Days Fed	Gain in Weight	Total Value	Total Cost	Profit
Woodrow Brown	1			\$ 300.00	278.30	21.70
Clyde Mixon	1			125.00	117.50	7.50
John W. Blackwell	2			275.00	297.15	-22.15
Graham Pritchard	1			320.00	281.50	38.50
Donald Watts	1			175.00	171.50	3.50
Clark Watts	1			150.00	140.25	9.75
Robert Brunson	1			275.00	283.00	- 8.00
Totals	8			1620.00	1569.20	49.80 <span style="color: red;">X</span>

CORN CLUB

Name of Member	No. Acres	Yield (Bu.)	County	Sumter	Profit
			_____ 1948		
Carl Phillips	1	30	60.00	34.70	25.30
Jack McElveen	2	60	120.00	58.27	61.73
McLendon Logan	1	50	65.00	28.40	36.50
Mac Truluck	1	47	68.00	26.75	41.25
Talmadge Tomlinson	1	30	48.25	24.70	23.55
L. H. Prescott	5	150	187.50	98.00	89.50
Douglas Hodge	1	40	52.00	26.15	25.85
John P. Poole	1	35	53.25	24.87	28.38
Prisley Marshall	1	28	39.20	18.90	20.30
Edward Phillips	1	43	77.40	31.75	45.65
Thomas Williams	1	40	60.00	25.80	34.20
Robert Jones	1	37	54.50	28.58	25.92
Billy Ward	1	60	90.00	30.10	59.90
Milton Watts	1	75	120.00	51.20	69.80
Bobby Stafford	1	60	90.00	32.70	57.30
Billy Stafford	1	60	90.00	32.70	57.30
Clifton Johnson	3	90	117.00	56.50	60.50
Harvey Windham	1	45	67.50	32.80	34.70
John Dabbs	2	107	187.25	63.98	123.27
Ralph Evans	1	50	75.00	30.65	44.35
Gerald Mathis	1	25	37.50	19.75	17.75
Dick Ward	1	60	90.00	30.10	59.90
Mac Player	1	35	49.00	24.85	24.15



CORN CLUB (Cont'd)

<u>Name of Member</u>	<u>No. Acres</u>	<u>Yield (Bu.)</u>	<u>Value</u>	<u>Cost</u>	<u>Profit</u>
James Hayes	1	50	25.00	34.60	39.40
Everett Geddings	2	80	120.00	47.17	72.83
Milton Evans	1	50	75.00	25.40	49.60
Bynum Driggers	1	35	52.50	18.91	33.59
Earl Jackson	1	40	56.00	26.50	29.50
Ollie Hodge	1	33	48.00	37.00	11.00
TOTALS	38	1545	2324.85	1021.78	1302.97







WHEAT CLUB

COUNTY Sumter 1948

<u>Name</u>	<u>No. Acres</u>	<u>Yield</u>	<u>Total Value</u>	<u>Total Cost</u>	<u>Profit</u>
Marvin Smith, Jr.	1	20	45.00	30.70	14.30
<hr/>					
Total	1	20	45.00	30.70	14.30











## POULTRY CLUB

County Sumter 19 48

Name of Member	Eggs Set	Strong Chicks Bought of Hatched	Total Value	Total Cost	Total Profit
John Milton Cooper		51	43.75	25.85	17.90
Gordon Hodge		40	36.25	22.67	13.58
William M. Timmons		25	27.60	16.30	11.30
Johnny Campbell		52	43.20	38.27	4.93
Frank Kelly		150	134.00	83.26	50.74
W. P. Waynick		100	108.20	70.42	37.78
Cornelius Dukes		102	79.00	73.29	5.71
Paul Pierson		99	74.60	31.26	43.34
Dean Geddings		50	51.00	37.75	13.25
Reginald Goodman		50	48.75	38.00	10.75
James Morris		100	56.00	45.60	10.40
Robert McElveen		50	32.80	24.95	7.85
Bill Geddings		51	53.40	40.50	12.90
Hugh McLaurin III		100	189.00	108.70	80.30
Oliver Gullledge		157	132.30	111.00	21.30
Jimmie Peebles		50	38.00	23.00	15.00
Robert Earl Holliday		100	63.90	53.11	10.79
David Evans		50	57.20	31.04	26.16
Legrand Avin		50	62.50	42.40	20.10
Gilbert Hudson		100	76.00	45.15	30.85
Joe Chandler		50	44.00	39.50	4.50
Lewis Welch		100	96.25	67.21	31.04
Jimmie Outlaw		25	24.30	14.65	9.65
Ralph Hair		25	19.80	15.20	4.60









FOUR-H CLUB (Cont'd)

4-H RALLY DAY:

The annual 4-H Rally Day was held Saturday, March 6, at the Sumter Theatre. 350 Club members, local leaders, and parents were present for the occasion. McBride Dabbs, Jr., presided over the meeting. T. O. Bowen, county agent, gave a very inspiring talk on 4-H Club work. Special music was furnished by Mrs. D. E. Turbeville and a group of girls from the Crosswell Home club. 165 boys received certificates, 21 received diplomas and 33 were given seals.

Awards:

- Junior Achievement Trophy - Laverne Newman, Lemira Club  
(Donor - Galloway and Moseley)
- Senior Achievement Trophy - John W. Blackwell, Mayesville Club  
(Donor - Galloway and Moseley)
- Community Trophy - Sherwood Community 4-H Club  
(Donor - Dr. Tyler B. Dunlap)
- Corn Trophy - Oswego 4-H Club, John W. Blackwell  
(Donor - J. Cliff Brown)
- Outstanding Boys' Leadership Work - Charles Marshall, Senior High  
(Donor) - Industrial Equipment Company)
- Best All Round Junior Achievement Work  
Winner - Laverne Newman  
Award - Registered Poland China Pig  
Donor - Clarence W. Brunson, Jr.

Health: The Sherwood 4-H Club participated in the health program during the year.

4-H Conservation And Leadership Camps: These were not held during the summer because of the Polio Situation.



FOUR-H CLUB WORK:

4-H KIWANIS DINNER AND AWARDS:

The annual 4-H Kiwanis dinner was held at the Fair Grounds Wednesday, November 10 at one o'clock in the football stadium. About 550 4-H boys and girls attended the dinner.

The following men made short talks: Mr. Cedric Foster, radio commentator, Mr. Clark Hughes, President Kiwanis Club, Mayor W. E. Bynum, and Mr. J. Cliff Brown, Secretary of the Sumter County Fair.

Awards were presented by the Home Agent and the Assistant Farm Agent. Mr. J. T. Rogers, District 4-H Agent announced and presented the winners in the Pee Dee District 4-H Dairy Calf show which was held at the fair. The winners paraded their calves before the members of the Kiwanis Club.

Among the trophies awarded were:

Senior Achievement Trophy won by John W. Blackwell,  
Mayesville Club (Donor - Galloway and Moseley)

Junior Achievement Trophy won by Leverne Newman  
(Donor - Galloway and Moseley)

Community Trophy won by Oswego 4-H Club  
(Donor - Dr. Tyler B. Dunlap)

Corn Trophy won by John W. Blackwell  
(Donor - J. Cliff Brown)

The Industrial Equipment Company award - a set of Fisk tires - for outstanding 4-H Leadership work was won by Charles Marshall, Senior High.

Best All round Junior Achievement Work won by Leverne Newman - a registered Poland China gilt  
(Donor - C. W. Brumson, Jr.)

It was a great site to see so many clubsters with 4-H caps on sitting quietly as the program progressed.

FOUR-H CLUB WORK: (Cont'd)

4-H CAMP

The Annual Sumter County 4-H Camp scheduled for the third week in August was called off because of the Polio epidemic.

CITIZENS ACTIVITIES

The Sumter people have always shown a great deal of interest in 4-H Club work and back it up in every way possible. A few of the more tangible cooperations are listed as follows:

<u>Name of Donor</u>	<u>Nature of Assistance</u>
Galloway and Moseley	Junior Achievement Trophy
Galloway and Moseley	Senior Achievement Trophy
J. Cliff Brown	Corn Trophy
Dr. Tyler B. Dunlap	Community Achievement Trophy
Kiwanis Club	Dinner
C. W. Brunson, Jr.	Registered Poland China Pig
Industrial Equipment Company	4 Fisk Tires



FOUR-H CLUB WORK: (Cont'd)

EXHIBITS AND WINNINGS AT 1948 SUMTER COUNTY FAIR BY 4-H CLUB BOYS

Swine Department - 4-H Class:

D. T. Kelly	1st	\$ 3.00
John Jones	1st	3.00
Donald Watts	1st	3.00
Carl Weatherly	1st	3.00
Charles Marshall	2nd	2.25
Dick Ward	1st, 1st, 1st, 2nd, 2nd, 4th	16.00
		<hr/>
Total		30.25

Swine Department - Open Class:

D. T. Kelly	2nd	\$ 4.50
John Jones	5th	1.00
Donald Watts	2nd	4.50
Carl Weatherly	3rd	3.00
Charles Marshall	4th	1.50
Dick Ward	1st	6.00
		<hr/>
Total		20.50

4-H Beef Calf Department: Class I

Charles Marshall	1st	\$ 6.00
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Class II

Charles Marshall	1st and 2nd	11.00
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Class III

Edwin Freeman, Jr.	1st	6.00
Wayne Johnson	2nd	5.00

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Total 28.00

FOUR- H CLUB WORK: (Cont'd)Sumter County FairPoultry Department - 4-H Class:

John W. Blackwell	2nd,	2nd	\$ 4.00
		2nd	1.00
		2nd	1.00
		2nd	1.00
		1st	2.50
		1st	2.50
		1st	2.50
		2nd	1.00
		1st	1.50
		2nd	1.00
	Shepherd Newman	2nd	2.00
Walter Watts	2nd	2.00	
	1st	1.50	
	2nd	1.00	
	3rd	.75	
Laverne Newman	2nd	2.00	
	2nd	1.50	
	2nd	2.00	
Johnny Campbell	2nd	2.00	
W. P. Waynick	1st	1.50	
	1st	1.50	
Phil McElveen	2nd	1.00	
		<hr/>	
	Total	36.50	

Adult Class:

Wayne Johnson	2nd	2.00
	2nd	2.00
	2nd	2.00
	2nd	2.00
H. M. McLaurin	1st	2.00
	3rd	1.00
Henry Hodge	2nd	1.50
		<hr/>
	Total	12.50



AGRICULTURAL DEPARTMENT4-H Corn: Ten Ears

John W. Blackwell	1st, 3rd	\$ 6.75
Frank Kelly	2nd	3.00
Graham Pritchard	4th	1.50
Milton Watts	5th	1.00

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Total	12.25
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Single Ear

Milton Watts	1st	\$ 1.50
John Dabbs	2nd	1.00
John W. Blackwell	3rd	.75

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Total	3.25
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4-H Sweet Potatoes:

Robert Kelly	1st, 2nd	\$ 9.00
James Dabbs	3rd	3.00

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Total	12.00
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Open Class:

H. M. McLaurin, III	3rd	3.00
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Total	3.00
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GENERAL AGRICULTURE EXHIBITSMiscellaneous:

John W. Blackwell	1st, 2nd	\$ 1.50
Class 13	2nd	2.00

Charles Marshall	1st	3.00
Class 13		

Bobby Stafford	2nd	.50
Class 21		

Laverne Newman	1st, 2nd	1.50
Class 22		.50
Class 30	2nd	1.00
Class 34	5th	2.00

John Jones	1st	1.00
Class 28		

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Total	13.00
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FOUR-H CLUB WORK: (Cont'd)

Boys' 4-H Club Work:

SUMMARY 4-H DEMONSTRATIONS 1930-1948 - COMPLETED

Year	No. Boys Completing Demonstrations	Number Members Enrolled	Number Demon- strations Completed	Percent of Members Completing Demonstrations
1930		13	10	77
1931		374	187	50
1932		479	206	43
1933		454	305	63
1934		457	261	57
1935		401	243	60
1936		381	226	59
1937		428	236	55.6
1938		385	199	41.6
1939		379	304	80.2
1940	191	346	224	52.3
1941	176	329	191	53.4
1942	138	326	150	42
1943	188	350	199	53.7
1944	178	350	181	50.8
1945	207	340	207	60.8
1946	188	345	198	52.1
1947	222	355	238	62.5
1948	164	318	171	51.5

The following is a summary of 4-H club  
Demonstrations completed in 1947:

Demonstrations	No. completed	Value Products	Cost	Profit
Pig - Fattening	68	2782.00	2223.35	559.82
Pig - Breeding	19	1180.07	823.27	356.80
Pig - Sow and Litter	117	2166.11	1699.23	466.88
Calf - Beef	5	1183.95	1020.10	163.85
Calf - Dairy	8	1620.00	1569.20	49.80
Corn	38	2324.85	1021.78	1302.97
Cotton	16	2806.39	1353.60	1151.06
Peanut	2	470.00	216.10	353.92
Wheat	1	45.00	30.70	14.30
Tobacco	1½	809.92	369.01	440.91
Garden	1.3	253.70	142.60	111.25
Poultry	34	2210.89	1527.89	684.91
Potato	6	1769.10	998.42	899.48
Total	316.3½	19,621.98	12,995.25	6,555.95



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

Sumter, South Carolina  
July 14, 1948

Dear 4-H Clubster:

Our annual summer 4-H Camp will be held this year at Camp Long over near Aiken, S. C.

WHEN? The Camp will be held Monday, August 16, through Friday, August 20.

WHO? All 4-H boys and girls in Sumter County who have their 4-H work under way and their record books up to date are eligible. Enclosed is a card for you to return if you plan to attend. It must reach this office not later than Wednesday, August 4.

COST? The cost for the camp for the week will be \$6.00 per member. This will take care of your transportation to and from the camp, food, and lodging.

Be sure and return this card by the 4th of August stating whether or not you are going as necessary arrangements must be made for transportation, food must be purchased well in advance, programs and assignments must be made in advance, in other words, it is necessary for us to know by Wednesday, August 4th, in order that we can let the camp officials know how many will come this year from Sumter County.

Only those who return the card will receive another letter of instructions as to exactly where and what time to meet the bus, and so forth. If you happen to lose your card and still want to go to camp, send us the necessary information on a postal card.

Boys, have your record book completed or up to date. Bring any baseball equipment that you might have.

Be sure to let your parents read this letter.

Sincerely yours,

*Alice Jordan*

Alice Jordan  
County Home Demonstration Agent

*Rosalie C. Rayle*

Rosalie Rayle  
Assistant Home Demonstration Agent

*T. O. Bowen*

T. O. Bowen  
County Farm Agent

*R. P. Alston*

R. P. Alston  
Assistant 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

Sumter, South Carolina  
May 22, 1948

EXTENSION SERVICE

Dear 4-H Clubster:

We are holding our 4-H Spring Rally in Sumter on Thursday, May 27 at 3:00 P.M. and all will assemble on the sidewalk at the Atlantic Coast Line passenger station.

We are asking your best cooperation in assembling quickly and remaining in formation. Ask your parents, who might be bringing you in automobiles, to unload you at the sidewalk at the passenger station and then to move the cars to some other location in order that we will have space for the school buses to unload.

The main feature of our Spring 4-H Rally will be the 4-H educational participation in the Iris Festival Parade which begins promptly at 3:30 P. M.

We are expecting every 4-H boy and girl in Sumter county to participate.

The uniform will be 4-H uniforms of green and white seersucker or a white dress for the girls. The boys will wear blue jean overall pants, preferably new or almost new and white shirts, preferably of the sport type. Those of you who have 4-H caps, be sure to wear them.

Will be looking for you.

Very truly yours,

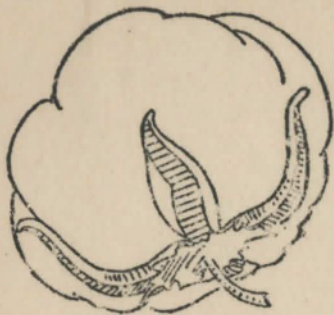
*Rosalie C. Rayle*

Rosalie C. Rayle  
Asst. County Home Dem. Agent

*R. P. Alston*

R. P. Alston  
Asst. County Agent





# COTTON LETTER

PRESENTING TIMELY INFORMATION

ON ALL PHASES OF COTTON PRODUCTION

April 1, 1948

In our last letter we recommended that fertilizer be applied ten days before planting of your cotton seed if it was at all possible. Side placement of fertilizer is desirable where equipment is available. Place the fertilizer 2 to 3 inches to the side of the drill and two inches below seed level. If equipment is not available to do this, follow the fertilizer distributor with a small shovel plow or bull tongue to mix the fertilizer before bedding. This will help prevent the young sprouts from becoming damaged when the roots come in contact with a concentrated roll of fertilizer. We also recommend the use of 500 to 1000 pounds of fertilizer per acre under cotton depending on soil type and fertility of the land. The formulas recommended were 4-10-16, 4-8-8, 5-10-5, and 3-9-9.

Be sure to plant on a firm seed bed as soon as danger from cold weather is past.

Use at least 1 bushel per acre of seed germinating not less than 80%. Where tests show less than 80% germination, increase the amount of seed per acre in proportion. A full crop is not possible without a full stand. To help insure a full stand, it is recommended that cotton seed be treated with either Ceresan-M dust or Dow-9-B. When using Ceresan-M on fuzzy cotton seed, use  $1\frac{1}{2}$  ounces of the dust per bushel. On acid delinted cotton seed, use 2 ounces per 100 pounds and on mechanically delinted cotton seed, use 3 ounces per 100 pounds. If you choose Dow-9-B, use 4 oz. per 100 pounds on fuzzy cotton seed and 3 oz. per 100 pounds on delinted cotton seed. There is another material called Mycotox or Seedox that is not generally available now, but is expected to be sold commercially during 1949. This material shows promise and is being used in result demonstrations throughout the state.

Do not chop or thin cotton until after the seedlings are about 3 inches high. This will give you an idea of what your stand will be. When thinning or chopping your cotton, leave 2 or 3 stalks per hill every hoe width apart. Do not destroy your stand of cotton by chopping out too much or by carelessly hoeing or plowing. Cultivate shallow and only often enough to control weeds.

After chopping, side dress with 150 to 200 pounds per acre of readily available nitrogen fertilizer. If 200 pounds per acre is used, divide it into 2 applications ---the first right after chopping and the second about 3 weeks later, depending upon weather conditions. Where cotton has had rust in previous years or where legumes are turned under before cotton is planted, use 50 to 100 pounds of muriate of potash per acre with first application of nitrogen.

The commercial representatives of chemical companies and dust machinery companies state that due to the present coal strike they are expecting in the near future a shortage of cotton dusters and transportation for cotton insecticides. Be sure to get yours now while there is a supply!

*T. O. Bowen*

T. O. Bowen  
County Agent



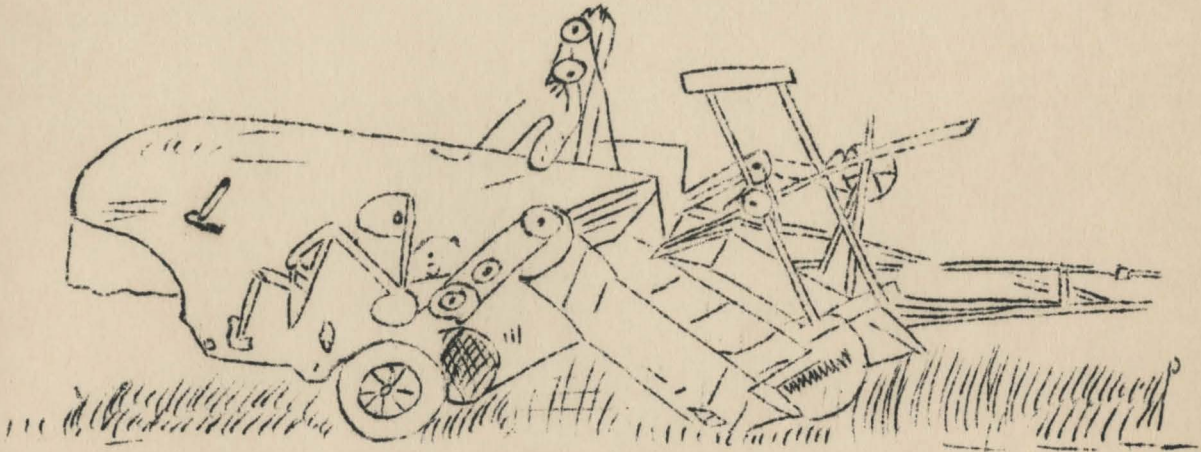
COOPERATIVE EXTENSION WORK  
IN  
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

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

Sumter, South Carolina  
April 28, 1948

EXTENSION SERVICE



WHAT? A Combine Adjustment and Operation Demonstration.

WHEN? Friday, May 7, at 2:00 P. M.

WHERE? Sumter County Fair Grounds.

WHO IS INVITED? Any combine owner or operator in Sumter County who would like to see some demonstrations showing how to:

1. Save Time.
2. Save Grain.
3. Save money in using his combine.

M. C. McKenzie, or other Clemson Extension Machinery Specialists, will be in charge of the demonstrations. Local machinery dealers are cooperating and will have some of their servicemen present to answer questions on their particular machines. Lubrication engineers from some of the petroleum companies will be present to assist with lubrication demonstrations.

If you are interested in keeping 'em rolling, don't forget to come to the Sumter County Fairgrounds, Friday, May 7 at 2 o'clock.

Very truly yours,

*T. O. Bowen*

T. O. Bowen  
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

Sumter, South Carolina  
May 4, 1948

EXTENSION SERVICE

Dear

In view of the fact that the boll weevil situation, from figures recently released from Pee Dee Experiment Station, again looks serious this year, we are attempting to launch a boll weevil control campaign.

Knowing of your interest in this matter, we are asking your assistance in helping us to put on this county-wide boll weevil campaign.

We are calling a meeting at 2:30 P.M., Monday afternoon, May 10, at the Agricultural Building and request that you think this matter over carefully and be prepared to offer suggestions as to how we can best put on a county-wide boll weevil eradication program.

We are declaring war on the boll weevil.  
Please join this army and help us out.

Very truly yours,

*T. O. Bowen*

T. O. Bowen  
County Agent

TOB/S



COOPERATIVE EXTENSION WORK  
IN  
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

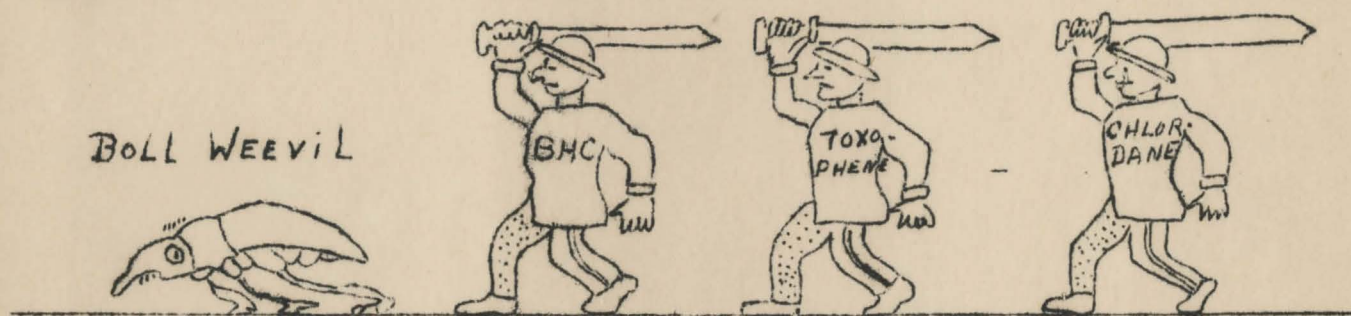
Sumter, South Carolina

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

EXTENSION SERVICE

March 23, 1948

FARM NEWS FOR 1948 T.O. Bowen, County Agent



What About Boll Weevil Poisoning?

A large number of farmers are now making plans to have on hand a supply of boll weevil poison for this year's crop.

It now appears that Benzene Hexachloride (BHC) will be used more than any other poison with toxophene next and chlordane will be used rather extensively on an experimental basis. A number of farmers tell me that they will use the chlordane particularly when migration sets in. It is known that Benzene Hexachloride will affect root crops such as potatoes, peanuts and so forth for one year.

It is suggested that cotton poisons might be scarce if there happens to be a run on them during poisoning time.

We have a more detailed and complete recommendation we will be glad to furnish upon request.

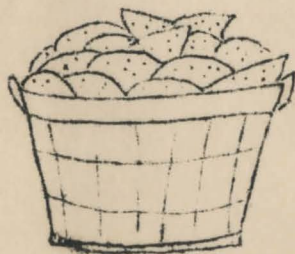
Peanut-Sweet Potato Market

It is now a definite fact that the peanut shelling plant will be rebuilt and in addition a sweet potato market with washing and waxing machines and dehydration plant will be put in also.

If any of you have any questions regarding this peanut and sweet potato market, it is suggested that you contact E. T. Gullidge, Sr. or W. J. Lawrence, Jr., who are now sole owners of the corporation.

With the tobacco allotments reduced and the possibility of late planting of cotton due to the excessive rain, it might be worth considering to increase the acreage of sweet potatoes and peanuts.

The sweet potato crop in Orangeburg County has grown into an enormous "cash" crop.





4-8-28

THE SUMTER DAILY

**Seed Certification  
Is Urged By Bowen**

Farmers desiring to have small grain certified must file their applications on or before April 15, according to County Agent T. O. Bowen. Mr. Bowen reports that to date only a small number of applications has been filed.

With the prospect of a small grain crop, farmers are urged to get their seed certified in order that the seed they produce for their own use or to place on the market will be of high quality, of known origin, and free of noxious weed seed. Any farmer who planted breeder's seed or official certified seed bearing the blue tag is eligible to have his small grain certified, provided his fields and seed produced meet the required standards of the South Carolina Crop Improvement association, he points out.

Inspectors from Clemson will arrange their itineraries and visit every farm growing small grain for certification shortly after April 15. Therefore, it is imperative that farmers who desire to have their fields inspected file their applications in the county agent's office or with the South Carolina Crop Improvement association, Clemson, not later than April 15. Blanks are available at either of the above-named places.

Mr. Bowen strongly recommends seed certification since it insures farmers of planting the type and quality of seed they desire, thereby producing increased yields and helping to rid fields of noxious weeds.

February 11, 1948

## **Bowen Urges Farmers Plan Own Farm Units**

Agriculture is the largest single industry in the state, County Agent T. O. Bowen pointed out today. According to the 1945 census, there were about 148,000 individual farm units in South Carolina. These farm units vary in size from very small family operated units to large plantations, with each unit constituting a farm business.

"It is important to the economic interest of the state that these individual businesses be so organized and operated that each unit contributes the maximum income consistent with sound farming and conservation practices," the county agent said. "The 1948 agricultural program for South Carolina recently announced by the Clemson college extension service points out that to accomplish this, there should be a carefully prepared farm plan for the operation of each farm unit. Such a plan to be of greatest value should be made by the farmer and his family with the advice and assistance of the county extension workers."

In urging Sumter county farmers to plan their farming operations, Mr. Bowen makes the following suggestions:

"In planning the farm, the farmer should carefully appraise his resources and decide on the best use of the land, labor, equipment, and other facilities on his farm. In short, he should find cropping systems that fit the land and meet the needs of the farm family better than any system should also provide for the problem formerly followed. The progressive improvement of the farm in building and field layout, and the development of pastures and forests for larger income."

Mr. Bowen emphasized that farm planning done cooperatively by the farm family with extension help will have the advantage of being understood by the family and at the same time the best known production and management practices that fit the farm will be incorporated in the plan.



## FARMING MARCHES FORWARD

### Bill Bug Control:

From Mr. T. B. Upchurch, president of a big farm operation in Raeford, N. C., comes word that they have secured on an experimental basis very good results in control of the bill bug using BHC, the new boll weevil poison. I quote from Mr. Upchurch's letter which was in reply to an inquiry I made after hearing him mention this fact at a recent meeting. "The first field we dusted with a tractor duster using six or eight pounds of 6 per cent BHC per acre. This field was dusted on Monday when the soil was very dry. We saw no results until four days later after a very light rain had fallen. Within 12 hours after the rain we were unable to find any live bill bugs. They did not bother the corn in this field any more during the year. It looked as though we got a complete kill.

"In field No. 2 we dusted with ten pounds of the 5-3-40 mixture of BHC, the dust was applied with an airplane. The soil was damp at time of dusting and a rain of approximately 1-4 inch fell within several hours of dusting. The results were the same as in field No. 1, except that we were able to find dead bugs within 12 hours.

"In field No. 3, we dusted with an airplane using 10 pounds per acre of 5 per cent DDT, 3 per cent BHC and 40 per cent Sulphur. We killed many of the bugs but were able to find live bill bugs in the corn stalks for several weeks. The corn in the last field was several

weeks older and we decided the bill bugs had deposited their eggs and the bugs we found from time to time later were of a later brood.

"From our experience it seems that the rain washed the material down the stalk to the point where the bugs were an inch or so below the surface of the ground. From this indication it would seem that a wet spray of BHC applied at the base of the corn plant might be the most effective method of controlling the bill bug."

Please understand that all of this is purely in an experimental stage but from the results obtained on this farm, it seems that Mr. Upchurch might have the answer to this big Sumter county problem. We do not yet recommend going out wholesale on this matter, however, if you have a bad bill bug area, we will be glad to work with you on an experimental demonstration to determine if the poison will control the bill bug. At least there seems to be a little light on the subject.

### Sweet Potato Bedding Time:

Quite a number of commercial sweet potato growers are bedding their sweet potatoes now with various types of heated beds which include electric, steam, tile, flue and manure heated. We have plans for all of these various type beds if you are interested in using them.

The Johnson Brothers out in the White's Mill section have recently installed a tile heated bed similar to the ones being used at the Edisto experiment station. In planning the sweet potato bed, it is most important that sweet potato seed be treated with either borax or semesan bel. In using borax, 1 pound of borax to 5 gallons of water is used and the potatoes should be soaked in the solution

for 10 minutes. In order to help control bed blight, builders lime at the rate of 1-3 pound per square foot has been used successfully, mixing this with the top of the soil after the bed has been prepared. It has been found also that a broadcast application of fertilizer worked into the plant bed surface helps produce better potatoes.

If anyone is interested in securing some sweet potato seed, we will be glad to help you get some good seed.

### Seed Certification:

Under the new seed certification law, which has been in operation in this state one year, farmers are now able to have their seed of the various crops certified by meeting certain requirements. If you have planted certified seed or seed direct from the breeder this year, it is suggested that you look into the matter of having this seed certified by Clemson college.

Briefly, the requirements for small grain are: (1) seed to be planted on land where same crop was not grown last year, (2) field must be divided from other fields by at least width of grain drill, (3) crop must be free from mixture from other varieties, (4) field must be free from noxious weeds (it is possible to rogue these out where not too heavily infested), (5) seed must be harvested carefully and kept clean, (6) field inspectors from Clemson must make timely inspections.

### 4-H Judging Contest:

All 4-H boys 14 years and older who are interested in entering the livestock judging contest should contact Alston right away as he is now lining up this livestock judging team. The winning team in South Carolina will get a free trip to the International Livestock show and National 4-H Club congress in Chicago next fall. Those entering the contest will receive some good training in judging of various types of livestock.

### It Happened in Sumter County:

We plan to start a squib in this column and also set aside a part of our weekly radio broadcast to things of particular interest regarding agricultural progress on things that have happened in Sumter county recently. If you know of any outstanding success story on the farm, let us know either by telling us or dropping us a line regarding this piece of work. Either something that you have done or that one of your neighbors has done that is particularly outstanding.