

Worsey

# ANNUAL REPORT

## COUNTY AGENT WORK

*Union*

County

### SOUTH CAROLINA

## 1945

*W. J. Martin*

County Agent

*C. K. Hughes*

Assistant County Agent

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

UNION COUNTY, SOUTH CAROLINA

1945

J. E. Fagan, County Agent  
W. J. Martin, County Agent  
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Cooperative Extension Work in Agriculture and Home  
Economics Clemson Agricultural College and  
the United States Department of  
Agriculture Cooperating  
Extension Service

D. W. Watkins, Director  
Clemson, South Carolina



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SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

GENERAL ACTIVITIES

1. Days agents worked . . . . .	574 <sup>1</sup> / <sub>2</sub>
2. Days agents spent in office . . . . .	177
3. Days agents spent in field . . . . .	397 <sup>1</sup> / <sub>2</sub>
4. Miles agents traveled . . . . .	12,886
5. Farm visits made . . . . .	1,707
6. Different farms visited . . . . .	826
7. Office calls at agents' office . . . . .	3,152
8. Telephone calls at agents' office . . . . .	2,600
9. Individual letters written . . . . .	594
10. Circular letters prepared . . . . .	24
11. Copies mailed . . . . .	6,182
12. Newspaper articles published . . . . .	26
13. Bulletins distributed . . . . .	674
14. Radio talks made . . . . .	42
15. Meetings held or attended by agents . . . . .	117
16. Attendance at meetings . . . . .	5,335
17. Number of adult demonstrations conducted . . . . .	37
18. Number of 4-H demonstrations completed . . . . .	53
19. Number of communities in which Extension work was conducted . . . . .	9
20. Number of voluntary community leaders assisting with the Extension Program . . . . .	116

PROJECT ACTIVITIES AND RESULTS

Agricultural Economics

One county outlook meeting and six community outlook meetings were held during 1945, at which time the agricultural outlook was discussed. Seven farmers kept complete farm account, which were completed in January. Ten farmers have kept these records during 1945. These same ten farmers are conducting TVA Unit-Test Demonstrations.

Agricultural Engineering

A total of 279 acres of land was terraced by power outfits during 1945. This brings a total acreage terraced by power outfits in Union County to 8,861 on 263 farms. In addition to the above, 280 acres were terraced by 27 farmers using their farm equipment. District farm plans were prepared on 12 farms. Farmers were given assistance in building and repairing farm buildings. During the year two upright silos and three pit silos were constructed with a total capacity of 27<sup>1</sup>/<sub>2</sub> tons.



### Agronomy

Ten farmers completed five-acre cotton demonstrations, producing an average of 2,157 pounds of seed cotton per acre. Four oats production demonstrations were completed with an average yield of 46.6 bushels per acre. These oats being produced at a cost of 42¢ per bushel. Four wheat demonstrations were completed on 27 acres of land with an average yield of 23.6 bushels per acre. Four barley demonstrations were completed with an average yield of 22.8 bushels per acre. One demonstration of oats and vetch for hay was completed with a yield of 1½ tons per acre \$16.54 per ton. Assistance and advice were given throughout the year to farmers interested in improving or establishing permanent pastures. The following amounts of seed were placed with farmers during the year: 3½ tons cottonseed, 95 bushels wheat, 1,135 bushels of oats, 50 bushels rye, 175 bushels barley, 10 bushels soybeans, 20 pounds crotonaria, 4,500 pounds lespedeza seed and 100 pounds clover seed. One county-wide and six community fertilizer meetings were conducted.

### Animal Husbandry

Two purebred gilts and one purebred beef bull and one purebred lamb were placed with farmers of the county. Throughout the year farmers were given assistance in disease and insect control and were encouraged to follow better herd management and feeding practices.

### Dairying

Six purebred bulls were placed in Union County during 1945 and farmers were given advice and assistance throughout the year in purchasing family milk cows. Farmers were encouraged to provide a year-round grazing system and to produce good quality hays for their dairy cattle. Fifteen 4-H calf club members completed records showing a profit for the year of \$516.00

### Entomology and Plant Pathology

Information was furnished farmers on controlling of disease and insects. The treating of seed before planting was advocated.

### Forestry

A total of 35,500 pine seedlings were obtained and planted by 20 farmers. As of November 30, 1945, 12 farmers had placed orders for 56,000 pine seedlings to be planted in 1946. Ten farmers were assisted in marketing farm timber and pulpwood valued at \$8,000. Five farmers entered in the 5-Acres Pulpwood Thinning Contests and two method demonstrations were given in marking pulpwood for selective cutting.

### 4-H Club Work

Six community clubs were organized with a membership of 84. In addition there were eight members who did not belong to any certain club, which brought the total membership to 92. Out of this number 53 completed their demonstrations, producing farm products valued at \$5,009.61, and realizing a profit of \$1,735.40. One 4-H club camp and one achievement day were held and one 4-H club boy attended the state-wide 4-H Conservation Camp. Three 4-H club calves were exhibited at the Spartanburg County Fair, and 60 4-H club pullets were exhibited at the Union County Fair by ten club members.



### Horticulture

The county agents worked very closely with the commercial peach growers assisting in disease and insect control and fertilizer problems. Twenty farmers were assisted in marketing approximately 84,000 bushels of peaches, valued at \$148,000.00. Assistance was given in control of disease and insects in home orchards and \$232.65 worth of nursery stock was ordered for 25 farmers. This stock was used in starting or improving home orchards. Approximately 20,000 bushels of improved Porta Rica sweet potatoes were produced for market during the year. In the spring of 1945 farmers were given assistance in marketing sweet potatoes valued at \$12,500. Approximately 1500 victory gardens were grown in the county and the county agents gave assistance through personal contacts and publicity in the control of diseases and insects in these gardens.

### Marketing

Farmers were aided in marketing farm products valued at \$189,332.58. They were assisted in purchasing produce valued at \$9,647.88.

### Poultry

One demonstration flock record was completed showing a labor income of \$11.64 per hen. Assistance was given poultry raisers in controlling disease and insects and in culling their flocks.

### Publicity

A total of 594 personal letters were written; 24 circular letters were prepared with 6,182 copies mailed. 26 news articles were published; 42 radio talks were made and 674 bulletins were distributed. 49 business houses cooperated in placing a full page advertisement and 16 business houses cooperated in placing a three-quarter page advertisement, regarding the South Carolina 10-Point Food and Feed Program. Four business houses published one or more phases of the program in their individual advertisements.



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

1. Union County Agricultural Committee:

a. The Agricultural Committee for Union County was selected by the county home and farm agents on the basis of their ability as farmers and homemakers, their knowledge of their particular communities and of the county as a whole and their ability and willingness to give time to the work.

b. Union County Agricultural Committee Members, and subcommittees

Adams, Mrs. Bessie C.\*  
Alverson, G. R.  
Alman, W. W.  
Belue, Mrs. Orin\*  
Belue, O. T.  
Bishop, W. G.  
Dogan, A. P.  
Dogan, F. P., Sr.  
Burgess, Russell S.  
Chapman, H. E.  
Coleman, William  
Crocker, Mrs. E. J.  
Crocker, R. J.  
Cunningham, J. W.  
Davis, Mrs. J. C.  
Edwards, Mrs. G. D.\*  
Fincher, R. C. \*  
Fowler, Mrs. A. A.  
Fowler, A. A.\*  
Fowler, Clay  
Garner, Mrs. Boyce  
Garner, Boyce  
Garner, Clearman  
Garner, Gee\*  
Garner, Miss Ida  
Grainger, Mrs. C. A.  
Grainger, C. A.\*  
Gregory, Mrs. John L.  
Glenn, George S.  
Howell, Mrs. R. F.  
Hopkins, A. P.  
Hughes, C. E.  
Hughes, Claude  
Humphries, Mrs. W. T.  
Ivey, B. C.  
Keith, J. F.  
Kennedy, A. G.\*  
Kitchen, T. E.  
Jeter, L. B., Jr.  
Lancaster, C. E.

Adamsburg, S. C.  
R-1, Sedalia, S. C.  
Union, S. C.  
R-4, Union, S. C.  
R-4, Union, S. C.  
Santuo, S. C.  
R-1, Jonesville, S. C.  
R-1, Jonesville, S. C.  
R-1, Jonesville, S. C.  
R-1, Paolet, S. C.  
R-2, Whitmire, S. C.  
R-1, Santuo, S. C.  
R-1, Santuo, S. C.  
Paolet, S. C.  
R-3, Union, S. C.  
R-3, Union, S. C.  
R-2, Union, S. C.  
Kelton, S. C.  
Kelton, S. C.  
Jonesville, S. C.  
Kelton, S. C.  
Kelton, S. C.  
R-4, Union, S. C.  
R-1, Kelton, S. C.  
R-1, Kelton, S. C.  
R-1, Jonesville, S. C.  
R-1, Jonesville, S. C.  
Lockhart, S. C.  
R-1, Cross Anchor, S. C.  
R-1, Santuo, S. C.  
R-1, Buffalo, S. C.  
R-1, Union, S. C.  
R-5, Union, S. C.  
Sedalia, S. C.  
R-5, Union, S. C.  
R-4, Union, S. C.  
Union, S. C.  
R-2, Whitmire, S. C.  
Santuo, S. C.  
R-1, Pauline, S. C.

Lancaster, J. Boyd  
Lancaster, W. H.\*  
Leonard, Mrs. James  
Little, Mrs. John H., Sr.  
Mance, R. L.  
Palmer, Mrs. J. T.  
Smith, Mrs. Hayne P.\*  
Smith, Hayne P.  
Thomas, L. P.  
Vanderford, B. B.  
Whitmore, Jesse R.  
Wilburn, W. C.  
Wilson, Elizabeth  
Wilson, Mrs. Wallace A.  
Wilson, Wallace A.

R-1, Pauline, S. C.  
Union, S. C.  
R-5, Union, S. C.  
Kelton, S. C.  
Adamsburg, S. C.  
R-5, Union, S. C.  
R-1, Jonesville, S. C.  
R-1, Jonesville, S. C.  
Carlisle, S. C.  
R-5, Union, S. C.  
R-1, Sedalia, S. C.  
R-2, Union, S. C.  
R-1, Union, S. C.  
R-1, Union, S. C.  
R-1, Union, S. C.

Executive Committee -- (\* The above persons thus indicated are members of the Executive Committee.)

Advisory Group:

Murray Wood, Soil Conservationist, SCS, Union, S. C.  
Fred P. Gregory, County Administrative Officer, AAA, Union, S. C.  
Mrs. Alsie Bradley, Home Supervisor, FSA, Union, S. C.  
J. J. Welch, Farm Security Supervisor, Union, S. C.  
James G. Long, County Forester, Union, S. C.  
Eugene McKinney, Agricultural Teacher, R-1, Jonesville, S. C.

Representatives of County Committee to State Agricultural Committee:

Mrs. Bessie C. Adams, Adamsburg, S. C.  
Mr. W. H. Lancaster, Union, S. C.

Advisory Committee for Returning Veterans:

Mr. Gee Garner	R-1, Kelton, S. C.
Mrs. J. C. Davis	R-3, Union, S. C.
Mr. J. R. Whitmore	R-1, Sedalia, S. C.
Mr. C. K. Hughes	R-1, Union, S. C.
Mr. Hayne P. Smith	R-1, Jonesville, S. C.

Census Committee:

Mrs. G. D. Edwards	R-3, Union, S. C.
Mr. L. B. Jeter, Jr.	Santuc, S. C.
Mr. W. W. Alman	Union, S. C.

Marketing Committee:

Mr. R. C. Fincher	R-2, Union, S. C.
Mrs. L. O. Belue	R-4, Union, S. C.
Mr. B. C. Ivey	R-5, Union, S. C.



- c. The Union County Agricultural Committee meets at various intervals to study the situation in the county and to make recommendations to the Extension Organization, relative to planning and executing the program in the county. The principle meeting of the year is held in the fall. At this time the committee hears a progress report of work done on the program set up for the current year. They go into a study of any new information which is available concerning the agriculture of the county and work out a program for the following year, making any revisions in the long-time program that seems necessary under prevailing activities. They are most active in their respective communities.

2. Organized communities, organized neighborhoods within that community, and the number of active leaders opposite each:

a. Bogansville	18
(1) Buffalo	2
(2) Coleraine	3
(3) Parham	2
(4) Putnam	5
(5) Sulphur Springs	2
(6) West Springs	4
b. Cross Keys	16
(1) Cedar Bluff	3
(2) Cross Anchor	3
(3) Cross Keys	3
(4) Macedonia	3
(5) Sedalia	4
c. Fish Dam	5
(1) Carlisle	3
(2) Tucker Town	2
d. Goshen Hill	7
(1) Coleman	2
(2) Delta	4
(3) Maybington Road	1
e. Hughes Johnson	8
(1) Hughes Johnson School	2
(2) Lockhart	1
(3) Phillippi	1
(4) Red Hill	1
(5) Wesley Chapel	2
(6) Worthy's Ferry Road	1
f. Jonesville	19
(1) Cedar Grove	2
(2) Elford Grove	1
(3) Free	4
(4) Gillead	2
(5) Jonesville	2
(6) Lockhart Junction	2
(7) Mills Creek	2
(8) New Hope	4

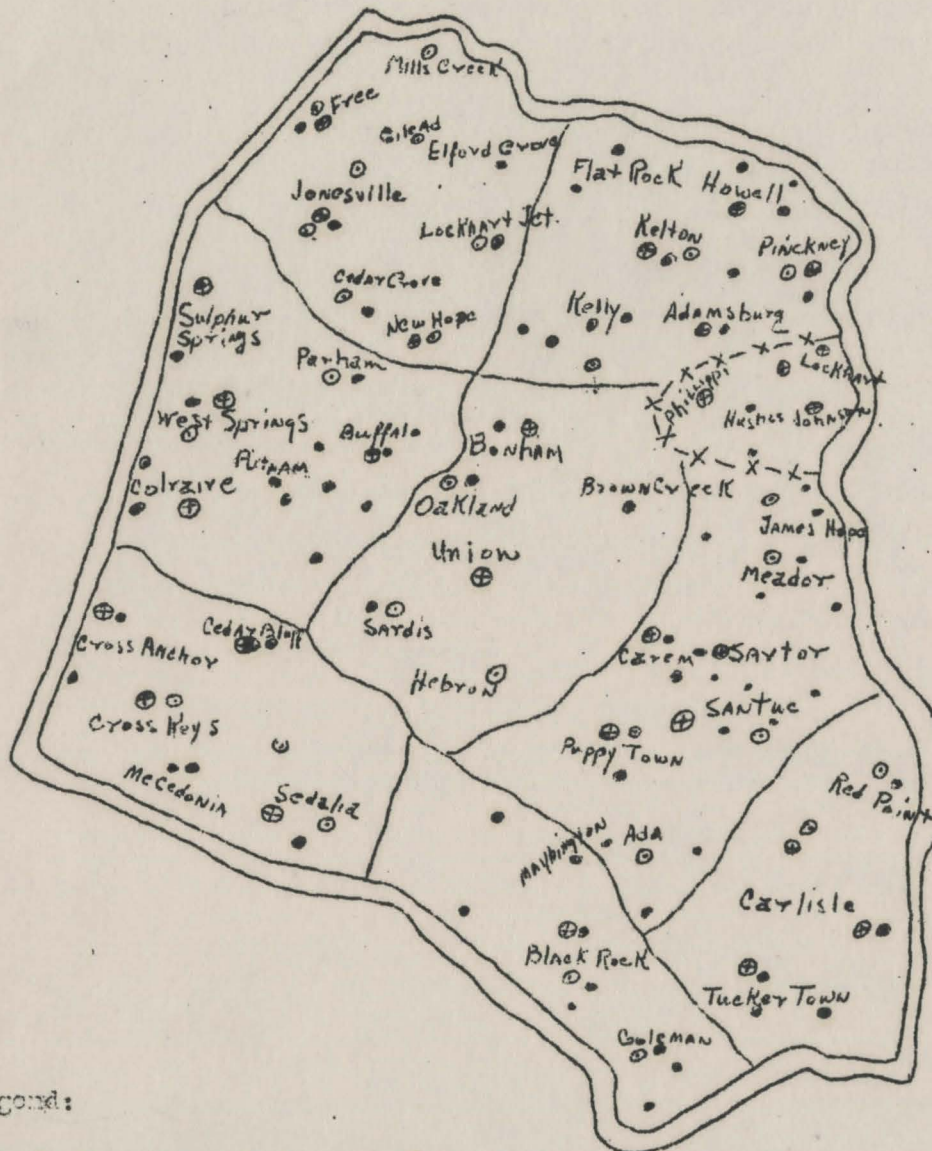
- g. Pinckney  
  (1) Adamsburg  
  (2) Flat Rock  
  (3) Cohen  
  (4) Howell  
  (5) Kelton  
  (6) Pinckney
- h. Santus  
  (1) Ada  
  (2) Caren  
  (3) James Hope  
  (4) Hedor  
  (5) Santus  
  (6) Sartor  
  (7) Puppy Town
- i. Union  
  (1) Bonham  
  (2) Browns Creek  
  (3) Hebron  
  (4) Sardis  
  (5) Oakland  
  (6) Union

17  
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3



3.

Outline Map of County Showing the Location of Communities and Neighborhoods with Symbols Showing Locations of Residences of Members of County Committee and Community and Neighborhood Leaders, on Better Farm Living Program.



Legend:

County Committee Members	⊕
Community Leaders	⊙
Neighborhood Leaders	•

4. Programs or Campaigns Handled Through Voluntary Leaders in 1945

a. 10-Point Food and Feed Program

Approximately five volunteer leaders assisted in the 10-Point Food and Feed Program, particularly in advertising in their communities and schools. They also cooperated in meetings which were held in their localities.

b. Liming Program

A number of volunteer leaders have assisted at different periods during the year in helping to promote a more thorough liming program in Union County. They also aided in placing four cars of approximately 200 tons each of basic slag in the spring of 1945.

c. Sale of Victory Bonds and Stamps

There was a bond rally held on Main Street during one of the bond drives the past year, and some of the volunteer leaders participated.

d. Seeding Small Grain

It looks as if there will be more grain in Union County this fall than ever before, due to work the local leaders have promoted in their local communities. They have realized that cotton and other row crops are failing fast due to the labor shortage.

e. Farm Labor Program

A number of volunteer leaders have aided W. H. Lancaster, labor assistant, in recruiting and placing laborers in the county during the year, which helped to utilize farm labor to the best advantages.



## EMERGENCY WARTIME ACTIVITIES

### Farm Labor Program

W. H. Lancaster, labor assistant has kept himself well informed of the labor needs throughout the county during 1945. He has arranged with owners of farm machinery, including combines, tractor drawn plows, etc., to operate on their neighbors' farms, thus making it possible for the smaller farmers to produce and harvest a crop.

During the peach harvesting season, he was able to obtain workers from other sections of the county to help in orchards and packing sheds, thus permitting the harvesting of a valuable crop in a short period of time, which enabled the peach growers to make a profit on their crop rather than stand a very heavy loss.

Being in close touch with farmers from every section of the county, he has been able to advise a large number of people during every month of the year as to where they might be able to obtain either a temporary or a permanent employer on the farm.

During the fall of 1945, he has been of great assistance to the farmers in harvesting their cotton and in seeding small grain.

1326 workers have been placed on 227 farms, a total of 1892 placements have been made.

### War Bonds and Stamps

Through local leaders, circular letters and radio broadcasts, the agents have encouraged the farm people to purchase as many bonds and stamps as they could afford. The farm people of Union County have throughout the war responded readily to such programs and have bought both bonds and stamps very liberally.

### Salvage

The county agents have cooperated with organizations of the county in collecting paper and other forms of salvage which could be used in the war effort. Publicity regarding these programs have been carried to the farm people through the neighborhood leaders, 4-H clubs and radio broadcasts.

### Production and Conservation

The agents stressed the importance of producing and conserving more food and feed on the farm, carrying this program to the farm people through all facilities at their command, including local leaders, 4-H clubs, circular letters, newspaper articles, radio broadcasts and personal contacts. Information on canning, curing and drying was furnished and appropriate bulletins supplied where necessary.

From December 1, 1944 through June 30, 1945, Mr. C. E. Hughes, served as an assistant in production and conservation. Through his daily contacts

with the farmers and the assistance and advice which he was able to render them, he encouraged the production and conservation of a large amount of food and feed crops throughout the county.

#### Selective Service

The county agent's office cooperated with farmers and the Selective Service in securing data concerning farmers subject to draft. During the year information was furnished on 427 registrants.

#### WARTIME ORGANIZATIONS AND AGENCIES

List of wartime organizations and agencies with which the agents have cooperated in war activities:

- Union County USDA War Board
- Red Cross
- War Fund Committees
- War Finance Committee
- Local Office of Price Administration
- Local Selective Service Boards
- War Manpower Commission

Cooperation was given to the agencies in meetings, publicity and personal services where necessary.



## COUNTY EXTENSION ORGANIZATION

### Changes in Union County Extension Staff

The following listed changes have occurred in the Union County Extension personnel during 1945:

- (1) W. J. Martin, county agent, returned from military leave on November 6, 1945 and succeeded J. E. Pagan who was transferred to Spartanburg County as assistant agent.
- (2) C. K. Hughes, served as emergency production and conservation assistant through June 30, 1945 at which time his appointment terminated. He served as temporary assistant county agent from July 1, 1945 until November 30, 1945.
- (3) Miss Merle Smith was appointed as emergency production and conservation assistant on February 15, 1945 in which capacity she served until July 1, 1945 when she became assistant home demonstration agent.

### Negro Agents

- (4) R. A. Marshall was appointed negro county agent on May 5, 1945, and succeeded E. N. Williams who became district negro agent.
- (5) Laura Whitney served as emergency production and conservation assistant with negro families until September 1, 1945, when she became negro home demonstration agent.

### Present Extension Staff

#### White Agents

W. J. Martin, County Agricultural Agent  
Mahala J. Smith, County Home Demonstration Agent  
Merle Smith, Assistant Home Demonstration Agent

#### Negro Agents

R. A. Marshall, Negro Agricultural Agent  
Laura Whitney, Negro Home Demonstration Agent

#### Other Agencies

The county agents cooperate closely with the soil conservation program and the agricultural adjustment program in Union County. The following listed personnel is in charge of the administration of these programs:

W. P. Stewart, Conservation Aide, Soil Conservation Service  
Fred P. Gregory, Administrative Officer, FSA

Agricultural Committees: The County Agricultural Committee and the community Agricultural Committees and the neighborhood leaders for 1945 are listed under "County, Community and Neighborhood Organization of Volunteer Farm and Home Leaders."

These committees act in an advisory capacity to the county agents in planning and carrying out the program of Extension Work in Union County.

In addition to the County Agricultural Committees, the organizations listed below have cooperated closely with the county agents in planning and carrying out the 1945 program of Extension Work.

Union County Soil Conservation Association  
Broad River Soil Conservation District  
Agricultural Adjustment Administration Committee  
Union County Council of Farm Women  
Home Demonstration Clubs  
Union County Livestock Association  
Broad River Electric Cooperative  
Farm Security Administration  
4-H Club Leaders  
Union County Health Department  
Union County Beekeepers Association  
Union County USDA War Board  
Federal Land Bank  
Spartanburg Production Credit  
Emergency Seed Loan  
Union County Farm Bureau



## PROJECT ACTIVITIES AND RESULTS

### AGRICULTURAL ECONOMICS

The work in agricultural economics in 1945 included outlook meetings, supplying analyses of enterprise records to demonstrators, and cooperating with farm credit agencies, as well as utilizing farm labor.

Outlook: One county-wide outlook meeting was held in Union and following this six community outlook meetings were held with 75 farm people attending.

Complete Farm Records: Ten Union County farmers kept complete farm records in 1945. After summaries and analyses have been made, these farmers will be encouraged to use the results in planning their farm operations in the future. A list of farmers keeping complete farm accounts are given below:

List Complete Farm Record Demonstrations - 1945

<u>Name</u>	<u>Address</u>	<u>Size of Farm Acres</u>	<u>Predominant Type of Farming</u>
William Coleman	R-2, Whitmire	2,423	Grain-Beef-Cotton
George S. Glenn	R-1, Cross Anchor	450	Cotton-Swine
R. C. Fincher	R-2, Union	187	Cotton
J. F. Keith	R-4, Union	104	Cotton-Truck-Beef
C. A. Grainger	R-1, Jonesville	119	Cotton
B. C. Ivey	R-5, Union	306	Cotton-Truck
Aubrey Garner	R-5, Union	81	Cotton-Grain
C. E. Hughes	R-1, Union	225	Cotton-Grain-Dairy
Wallace Wilson	R-1, Union	162	Cotton-Grain-Truck
B. H. Kelly	R-4, Union	201	Cotton

Cooperation with Farm Credit Agencies: The county agent cooperated with the Spartanburg Production Credit Association, the Emergency Seed Loan, the Federal Land Bank and the Farm Security Administration in their work of extending credit to the farmers of Union County.

### TVA Farm Unit Test Demonstrations

In cooperation with the Extension Service and the Tennessee Valley Authority, the county agent worked with ten unit test demonstrations farms in Union County in 1945. 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 have been developed for each farm for a five year period. Each farmer kept a complete farm account record of

These farmers received 39,800 pounds of triple superphosphate this year. Much interest has been taken in these demonstrations both by the demonstrator and the neighboring farmers.

A summary of the acreage of annual lespedeza, permanent pastures, annual grazing, kudzu and sericea, together with amount of phosphate used on test-demonstration farms in Union County is given on the following page.

Acres of Annual Leapedeza, Annual Grazing, Kudzu, Sericea and Permanent Pastures, Together with the Amounts of TVA Superphosphate used on Test-Demonstration Farm in Union County in 1945

Name of Cooperator	Annual Leapedeza		Annual Grazing		Permanent Pastures	
	Acres	Pounds of Phosphate Applied	Acres	Pounds of Phosphate Applied	Acres	Pounds of Phosphate Applied
William Coleman	57.1	8,000	---	---	---	---
E. C. Fincher	8.0	1,600	---	---	---	---
George S. Glenn	24.3	2,000	---	---	---	---
C. A. Grainger	18.9	2,000	---	---	---	---
B. C. Ivey	26.3	4,041	---	---	1.8	360
J. F. Keith	20.7	2,900	---	---	---	---
B. H. Kelly	24.3	2,000	---	---	---	---
Aubrey Garner	.9	180	6.7	1,340	4.0	800
C. K. Hughes	7.9	1,339	9.0	1,800	9.0	1,800
Wallace Wilson	13.1	2,620	---	---	10.8	2,160
TOTALS	201.5	26,680	15.7	3,140	25.6	5,120

Name of Cooperator	Kudzu		Sericea	
	Acres	Pounds of Phosphate Applied	Acres	Pounds of Phosphate Applied
R. C. Fincher	.9	180	---	---
B. C. Ivey	---	---	5.4	1,080
Aubrey Garner	---	---	2.9	580
C. K. Hughes	12.2	2,440	2.7	540
TOTALS	13.1	2,620	11.0	2,200



Acres of Annual Lespedeza, Annual Grazing, Kudzu, Sericea and Permanent Pastures, Together  
with the Amounts of TVA Superphosphate used on Test-Demonstration Farm in Union  
County in 1945

Name of Cooperator	Annual Lespedeza		Annual Grazing		Permanent Pastures	
	Acres	Pounds of Phosphate Applied	Acres	Pounds of Phosphate Applied	Acres	Pounds of Phosphate Applied
William Coleman	57.1	8,000	--	---	--	---
R. C. Fincher	8.0	1,600	--	---	--	---
George S. Glenn	24.3	2,000	--	---	--	---
C. A. Grainger	18.9	2,000	--	---	--	---
B. C. Ivey	26.3	4,041	--	---	1.8	360
J. F. Keith	20.7	2,900	--	---	--	---
B. H. Kelly	24.3	2,000	--	---	--	---
Aubrey Garner	.9	180	6.7	1,340	4.0	800
C. K. Hughes	7.9	1,339	9.0	1,800	9.0	1,800
Wallace Wilson	13.1	2,620	--	---	10.8	2,160
TOTALS	201.5	26,680	15.7	3,140	25.6	5,120

Name of Cooperator	Kudzu		Sericea	
	Acres	Pounds of Phosphate Applied	Acres	Pounds of Phosphate Applied
R. C. Fincher	.9	180	--	---
B. C. Ivey	--	---	5.4	1,080
Aubrey Garner	--	---	2.9	580
C. K. Hughes	12.2	2,440	2.7	540
TOTALS	13.1	2,620	11.0	2,200

Progress Report on the Unit Test-Demonstration Farm of  
George S. Glenn, Union County

Crop Rotation

Field No.	Total Acres	Rotation Underway
2, 9	5	Kudzu continuously for hay and grazing
5	2	Kudzu continuously for hay and grazing
6	2 1/4	Sericea continuously for hay and grazing 3 of the row crops, cotton, summer legumes and corn will rotate in the 3 year plan with lespedeza.
8	1	Summer legumes continuously
9	20	Cotton, summer legumes, truck and corn
12	6	Corn, followed by small grain and lespedeza two years.
2A	12	To be rotated continuously with lespedeza summer legumes, corn and small grain.
2B	6	Summer legumes rotated with small grain, following corn.

Acreage and Production of Specified Crops Grown

Crops grown	Grown by family and Hired Laborers		Grown by Sharecroppers	
	Acres	Production	Acres	Production
Cotton			21.0	9,000 lbs lint
Corn			9.0	250 bu.
Oats	15.0	700 bu.	1.0	1 ton hay
Wheat	6.0	75 bu.	3.0	35 bu.
Oats & vetch	1.0	1 ton		
Lespedeza after grain	5.0	1,850 lbs. seed	1.0	1 ton hay
Lespedeza after grain	18.0	Not harvested		
Lespedeza alone	4.0	5 tons hay		
Lespedeza alone	1.25	Not harvested		
Sericea	1.0	525 lbs. seed		
Sericea	1.75	Not harvested		
Kudzu	3.0	Not harvested		
Kudzu	4.0	Grazed		
Garden	1.0	Home use	1.0	Home use



Summary of Farm Business of George S. Glenn, 1945

	Beginning Inventory Value	Closing Inventory Value
Land	\$5,000.00	\$5,000.00
Improvements	2,395.00	3,272.50
Horses and Mules	500.00	500.00
Cattle	230.00	100.00
Hogs	263.00	230.00
Poultry	40.00	31.50
Crop, Feeds, etc.	1,227.25	1,557.85
Machinery and Tools	624.00	596.60
<b>TOTALS</b>	<b>\$10,279.25</b>	<b>\$11,208.45</b>

Farm Receipts		Farm Expenses	
Cotton and cotton seed	\$1,201.77	Hired labor	\$ 189.34
Other crops	370.00	Crop Expense	373.76
Cattle and hogs	1,730.01	Livestock and Poultry	1552.63
Poultry and eggs	955.07	Truck, tractor, etc.	253.38
Miscellaneous Receipts	66.74	Miscellaneous	528.76
<b>Total Cash Receipts</b>	<b>\$4,323.67</b>	<b>Total Cash Expenses</b>	<b>\$2,897.87</b>
Increase in Inventory	1,099.20	Decrease in Inv.	-----
<b>TOTAL RECEIPTS</b>	<b>\$5,422.87</b>	<b>TOTAL EXPENSES</b>	<b>\$2,897.87</b>

Receipts minus expenses . . . . .	\$2,525.00
Value of unpaid family labor other than that of operator, deduct . . . . .	36.00
Farm income . . . . .	2,489.00
Interest (4% on average of two inventories) deduct . . . . .	431.35
Labor income * . . . . .	\$2,057.65

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

## AGRICULTURAL ENGINEERING

### Soil Conservation

Soil conservation work for the year was in cooperation with the Broad River Soil Conservation District and the Soil Conservation Service.

District Farm Plans: During the year 12 district farm plans have been prepared by the Soil Conservation Service technician working in the county. This brings to a total 272 farm plans in the county, with a total of 48,721 acres under agreement.

Terracing: There are two power terracing units operating in the county, by the County Soil Conservation Association. This year 279 acres were terraced for 5 farmers with this equipment. This brings to a total of 8,861 acres which have been terraced with power units for 263 farmers at an average cost of \$3.00 per acre since the beginning of the power terracing program in 1936.

In addition to the above terracing program, 260 acres have been terraced on twenty-seven farms by farmers with their own farm equipment.

A one-man patrol has been ordered for the Soil Conservation Association, which is expected to begin operation in the county by the middle of 1946. One of the old outfits will be discarded.

Educational Activities: During 1945, one circular letter was issued and 1,100 copies mailed. Soil conservation was discussed with all 4-H club members, who were urged to conserve and build up the soil on their farms. Santuc Community was set up as the demonstration soil conservation community in Union County and each individual program has been started. The agricultural workers in the Broad River, Laurens and Greenville Soil Conservation Districts have held group meetings and tours in the interest of the work in these districts.

Summary of Soil Conservation Practices Established: 233 acres of kudzu were planted in 1945, making a total of 1,956 acres in the county. 136 acres were planted to sericea, making a total of 1,630 acres in the county. 35,500 slash pine seedlings were planted. 559 acres were terraced. 1,028 tons of limestone, 846 tons of phosphate and 38 tons basic slag were applied.

### Farm Buildings

Throughout the year the county agents gave assistance and advice to farmers regarding their building problems. Following is a summary of the buildings and silos constructed with the assistance of the county agents.

#### Summary of Farm Buildings

<u>Name</u>	<u>Kind of building</u>
Pinckney Berry	Machinery Shed
Miss Katherine Thompson	Poultry House
George S. Glenn	Brooder House
Foster Jordan	Milking Barn



Summary of Silos Constructed

<u>Name</u>	<u>Type of Silo</u>	<u>Capacity</u>
E. B. Langley	Upright (Concrete Stave)	60 Tons
W. W. Alman	Upright (Concrete Stave)	160 "
L. B. Jeter, Jr.	Pit	25 "
Ellis Farr	Pit	9 "
J. T. Hughes	Pit	20 "

Rural Electrification

Work in connection with the rural electrification program has been greatly curtailed during the war, due to scarcity of materials. However since the end of the war contracts have been let by the REA for 31.5 miles of lines to be constructed in Union County. The county agent assisted farmers in organizing to get this service before the war.

Farm Machinery

The agent has advocated the use of farm machinery available in the county to be used on as many farms as possible. Quite a bit of custom work was done by machinery owners. Care of machinery was encouraged. The labor assistant devoted a lot of his time to this type of work. During the year two method demonstrations were held with a two-row cultivator. Publicity was given regarding the mechanical cotton picking demonstration held on Larry DeShield's farm in Spartanburg County, and approximately 200 farm people from Union County attended the demonstration.

## AGRONOMY

Agronomy work in 1945 consisted of demonstrations and educational work with the major agronomy projects.

### Fertilizers

One county-wide meeting on fertilizer was held in the early part of the year. At this meeting the extension agronomist discussed fertilizers and their relations to the soil and crop production. The county agent discussed fertilizers and their relation to crop production at six community meetings with 75 attending.

Throughout the year the county agent assisted farmers with their fertilizer problems by recommending the kind and amount of fertilizer to be used on various crops and under various soil conditions.

Farmers were encouraged through circular letters, news articles, meetings, radio programs and personal contacts to obtain superphosphate and limestone as grants-of-aid through the Agricultural Adjustment Administration program and were given advice as to which crops these materials should be applied and the rate of application.

### Cover Crops

Union County farmers were encouraged to use vetch and austrian winter peas as winter cover crops. Farmers were given instructions as to recommended practices in proper inoculating and seeding these crops. During 1945 farmers of Union County obtained approximately 40,000 pounds of austrian winter peas and 4,000 pounds of vetch to be planted as cover crops.

The agent has encouraged the planting of kudzu and sericea lespedeza, working closely with the representatives of the Soil Conservation Service in carrying out this work.

### Cotton

Five-acre cotton improvement demonstrations: Ten Union County farmers completed 5-acre cotton improvement demonstrations in 1945, and submitted records. A summary of these demonstrations follows:

Summary Results Five-Acre Cotton Improvement Demonstration

	Lbs.					Lint	
	Seed	Lbs.	Value	Cost	Net	Cost	
Name	Cotton	Lint	Crop	Prod.	Profit	Per lb.	Variety
R. S. Adams	12,680	5,072	\$1,364.37	\$408.42	\$955.95	8.0¢	C 100 S3
H. E. Crocker	12,613	5,045	1,357.12	404.70	952.42	8.0¢	W S3
J. E. Adams	11,720	4,688	1,221.72	393.82	827.90	8.2¢	C 100 S3
R. L. Hanco	10,735	4,294	1,155.08	341.59	813.49	8.0¢	W G
R. J. Crocker	10,515	4,206	1,131.18	419.28	711.90	10.0¢	W S4
Smith Williams	10,461	4,184	1,125.52	372.95	752.57	8.9¢	G 100 S4
W. C. Alverson	10,365	4,146	1,115.27	300.31	734.96	9.1¢	C 100 S3
L. H. Sanders	10,340	4,136	1,112.58	331.43	781.15	8.0¢	C 100
R. C. Little	9,825	3,930	1,005.12	470.55	534.57	12.0¢	C 100
C. G. Garner	8,615	3,446	900.97	326.54	574.43	9.5¢	W G
TOTALS	107,869	43,447	\$11,488.93	\$3,849.59	\$7,639.34		



Summary Cotton Demonstrations, continued

AVERAGE PER ACRE SEED COTTON - 2,157	AVERAGE COST PER ACRE - \$ 76.99
AVERAGE YIELD LINT PER ACRE - 863	AVERAGE NET PROFIT PER ACRE - \$112.79
AVERAGE VALUE PER ACRE - \$229.78	AVERAGE LINT COST PER LB. - 8.9¢

Summary Cotton Demonstration Records, 1935 - 1945: Following is a yearly summary of the results of the five-acre cotton contest demonstrations in Union County for the period 1935 - 1945.

Summary Results of Cotton Contest Demonstrations, 1935 - 1945

Year	Number Dems.	Lbs. Lint Per Acre	Value Per Acre	Cost Per Acre	Profit Per Acre
1935	17	477	\$74.48	\$31.36	\$43.12
1936	13	473	79.37	27.56	51.81
1937	15	493	64.27	30.82	33.45
1938	12	506	61.74	27.21	34.50
1939	16	415	16.60	22.82	23.96
1940	12	583	66.39	25.94	40.45
1941	4	300	65.78	31.41	34.37
1942					
1943	4	452	105.85	41.64	64.21
1944					
1945	10	863	229.78	76.99	152.79

Improved Seed: Through meetings, personal visits, circular letters, radio broadcasts and newspaper articles the county agents have continued to stress the importance of improved planting seed. Assistance was given to a large number of farmers in obtaining good seed and to farmers who had good planting seed for sale in finding a market.

Hybrid Corn Demonstrations

Farm of H. W. Faucett, R-4, Union, South Carolina

Variety	Acreage	Yield Per Acre
Hastings Prolific (White)	1	32 bushels
Punks 714	1	37 bushels

Some weevil damage was noticed in both plots. These plots did not have a fair chance because the hail tore the corn very badly in June, and it did not come out very satisfactorily. Both plots were planted on the same date, and were fertilized alike. The second application of fertilizer was not added after the hail storm. Ears were rather small on both varieties. Good shuck covering. About same maturity date. Hastings stalk stronger.



### Small Grains

Oats production: Four demonstrations in the production of oats were completed, a summary of which follows:

Summary of Oat Demonstrations

Name	Variety	Acres	Yield Bus.	Yield Per A.	Cost	Cost Per Bu.	Value	Profit
R. C. Fincher	Coker's Victor G.	4	160	40	\$91.22	\$0.57	\$160.00	\$68.78
G. S. Glenn	Coker's Fullgrain	13	730	60	254.15	0.33	445.00	190.85
B. C. Ivey	Fullgrain	8	280	35	172.00	0.64	350.00	178.00
Wm. Coleman	Victor G.	35	1575	45	666.70	0.42	1253.25	586.55
TOTALS		60	2795		\$1184.07		\$2208.25	\$1024.18
AVERAGES PER ACRE				46.6	\$ 19.73	\$0.42 Per B.	\$36.80	\$17.07

These demonstrations show an average yield of 46.6 bushels per acre, as a result of improved methods. The cost per bushel, including rent of land, fertilizers, labor, etc., was 42¢. The 60 acres included in these demonstrations returned a profit of \$1,024.18, or an average of \$17.07 per acre.

Through meetings, personal contacts, radio programs, news articles and circular letters the county extension workers have encouraged an increase in the number of acres, planted to oats in Union County.

Wheat production: Four demonstrations in wheat production were completed during 1945. A summary of these demonstrations follows:

Summary of Wheat Demonstrations

Name	Variety	Acres	Yield Bus.	Yield Per A.	Cost	Cost Per Bu.	Value	Profit
G. S. Glenn	Coker's Red Heart	4	68	17	\$74.91	\$1.10	\$115.60	\$ 40.69
C. A. Grainger	Red Heart	4	72	18	100.28	1.39	118.80	18.52
Wm. Coleman	Red Heart	10	210	21	185.50	.88	346.50	161.00
R. C. Fincher	Red Heart	9	288	32	218.34	.72	504.00	285.66
TOTALS		27	638		\$579.03		\$1084.90	\$505.87
AVERAGE PER ACRE			23.6		21.44	\$0.908 per bu.	\$40.18	\$18.74

This record shows that farmers conducting wheat demonstrations made an average yield of 23.6 bushels per acre. Produced at a cost of 90.8¢ per acre this wheat yielded a profit of \$18.74 per acre.



Barley production: Four demonstration in the production of barley were completed, a summary of which is given as follows:

Summary of Barley Demonstrations

			Yield Bus.		Cost	Cost		
Name	Variety	Acres	Bus.	Per A.	Cost	Per Bu.	Value	Profit
C. A. Grainger	Clemson	5	100	20	\$128.20	\$1.28	\$175.00	\$ 46.80
J. F. Keith	M. Awless	5	125	25	120.35	.96	250.00	129.65
B. C. Ivey	Clemson	9	225	25	233.10	1.04	337.50	104.40
R. C. Fincher	M. Awless	7	143.5	20.5	165.47	1.15	251.12	84.65
TOTALS		26	593.5		\$647.12		\$1013.62	\$366.50
AVERAGES PER ACRE				22.8	\$ 24.89	\$1.09	\$38.99	\$ 14.10
						Per B.		

These records show an average yield of 22.8 bushels per acre. The cost per bushel, including rent of land, fertilizers, labor, etc., was \$1.09. These demonstrations returned a profit of \$14.10 per acre.

Small Grain and Legume for Hay

Oats and vetch for hay production: One demonstration of oats and vetch for hay production was completed in 1945. A summary of this demonstration follows:

Summary of Demonstration of Oats and Vetch for Hay Production:

Name	Mixture (Varieties)	Acres	Yield Tons	Cost Per T.	Value	Profit
B. C. Ivey	Fullgrain Oats and Hairy Vetch	5	64	\$103.40	\$16.54	\$250.00
AVERAGE PER ACRE			14	\$ 20.68	\$ 50.00	\$ 29.32

On the five acres seeded to this hay mixture, Mr. Ivey produced excellent quality hay at a cost of \$16.54 per ton. On the total acreage he realized a profit of \$146.60.

Annual Grazing Crops

Annual grazing crops: The value of annual grazing crops was emphasized throughout the year. Farmers in Union County are now planting more crops for grazing than ever before. They have learned that they can produce cheaper feed with less labor by allowing their cattle to do their own harvesting.

One annual grazing demonstration was summarized, a copy of which follows:

Summary Small Grain and Vetch Grazing Demonstration

Name	No. Acres	Rate of Seeding per acre	Cows Grazed	Period Grazed	Remarks
C. E. Hughes	10	2 bu. oats, 2 bu. barley, 1 bu. rye 15 lbs. vetch	11	Dec. 10, '44 to Apr. 20, '45	Excellent

During the period December 10 - April 20, Mr. Hughes estimates there were about fourteen days when the land was too wet for the cows to graze. Four mules grazed on the same land long enough to make up for the time lost by the cows, however.

Mr. Hughes estimates that the ten acres of annual grazing crops saved him  $8\frac{1}{2}$  tons of hay.

#### Permanent Pastures

Throughout the year farmers were given advice and assistance in establishing and improving permanent pastures. Farmers were encouraged to clear bottomland and seed it to permanent pasture grasses and legumes, and improve pastures already established by the use of the proper fertiliser and the addition of seed where the pasture mixture was not complete. Farmers were urged to take advantage of the agricultural conservation program by securing limestone and phosphate to be applied on their pastures.



## ANIMAL HUSBANDRY

### Swine

The agents encouraged the production of pork for use on the farm and distributed information and assisted with the conservation of pork products for home use. During the year assistance was given in getting hogs inoculated for cholera and advice given regarding disease and parasite control. The use of purebred boars and purebred or high grade sows has been advocated. Two purebred sows were placed with one farmer during the year.

### Beef Cattle

A number of Union County farmers are now raising beef cattle on a commercial scale. The county agent has worked with these farmers throughout the year, advising with them on various problems, including feeding and marketing. Due to extension recommendations, several farmers have improved their practices and are using creepers for feeding their calves in order to get a quicker growth. Most of the beef cattle feeders are using silage, which helps to make a profit due to the high prices of feed, particularly hay and grain.

Sires: The county agent has advocated the use of well bred Hereford bulls in all of the beef cattle herds of the county.

Cattle Placed: One beef bull was placed with G. L. Robertson valued at \$150.00 and a cow and heifer were placed with William Coleman valued at \$150.00.

## DAIRYING

Extension work in dairying for 1945 included educational work in the placing of purebred sires under the baby bull plan, growing and curing of quality roughage, silage production, annual grazing, permanent pastures, and milk production for family use.

Purebred Sires: Purebred guernsey bull was purchased for the county bull program. Under the baby bull plan five bull calves were obtained for individual farmers. Approximately 29 purebred dairy bulls are now in use in the county and are so located that one is available to each farmer.

### Summary of Purebred Dairy Bulls Placed in 1945

Name	Breed	Cost
Gaylord May	Jersey	Gift to 4-H Club Boy
J. W. Hunter	Guernsey	\$25.00
Aubrey Garner	Guernsey	25.00
Wallace Wilson	Guernsey	15.00
J. E. Sparks	Guernsey	On loan
Union County	Guernsey	\$100.00

### Marketing

Milk cows: Farmers were given advice during the year in purchasing family milk cows. Three dairymen were assisted in selling dairy cattle valued at \$4,000.00.

Milk: At present no milk is being sold outside of Union County. Approximately 200 gallons is being shipped into the county from North Carolina. The farmers have been encouraged to add one or more milk cows on their farms and to produce milk for sale to the local pasturizing plant. Indications are that during the early part of 1946 a number of farmers will start a program of this kind.

### Four-H Dairy Calf Club Work

A summary of the dairy calf demonstrations completed is given below:

#### Summary Dairy Calf Demonstrations

Name	No. Animals	Value	Cost	Profit
Ernest Little	1	\$ 70.00	\$ 40.00	\$ 30.00
James Hughes	1	100.00	55.00	45.00
James Rance	1	325.00	240.00	85.00
Bill Culbreath	2	250.00	210.00	40.00
Weldon Eaves	1	140.00	117.00	23.00
Hubert Garner	1	125.00	105.00	20.00
Timothy Boughman	2	175.00	108.00	67.00

continued next page



Summary Dairy Calf Demonstrations, continued

Name	No. Animals	Value	Cost	Profit
Marion A. Williams	1	\$ 45.00	\$ 19.00	\$ 26.00
Evans Wilson	1	60.00	35.00	25.00
James W. Kelly	1	280.00	225.00	55.00
John W. Little, III	1	175.00	140.00	35.00
Charles Blackwell	1	95.00	80.00	15.00
James Rice	1	50.00	35.00	15.00
Bailey Greer	2	105.00	80.00	25.00
Marion Bailey	1	150.00	140.00	10.00
TOTALS	18	\$2145.00	\$1629.00	\$ 516.00

Exhibits: Three 4-H members exhibited their cows at the Spartanburg County Fair, winning a total of \$75.00.

### ENTOMOLOGY AND PLANT PATHOLOGY

Work in entomology and plant pathology in 1945 consisted primarily of giving timely information on the control of various insects and diseases. This was done through circular letters, news articles, meetings, radio broadcasts and personal contacts.

Garden Insects: During 1945, farmers as well as towns people complained of the damage of garden insects. They were advised in the eradication and control of such insects as bean leaf beetle, Mexican bean beetle, harlequin bugs, cut worms, squash bugs and potato bugs. Formulas for poisoning mixtures were given and practices recommended.

Boll Weevil Control: Boll weevil damage in Union County during 1945 was worse than the previous year, due to the heavy rainfall during the growing season and the large amount of foliage on the stalk. For the same reasons it was almost impossible to poison the weevils. Farmers were encouraged to pick-up squares and to destroy stalks to control the weevil.

Weevil Control in Small Grain: Farmers were advised to fumigate small grain stored on the farm in order to control weevil damage. A large number of farmers practiced this and obtained good results.

Seed Treatment: Due to the extension recommendations, most of the cotton seed planted in Union County was treated before planting. Farmers have been more particular about treating all seed before planting. This practice has enabled the farmers to obtain a better stand and more vigorous plants.

Fruit Insects and Disease Control: Commercial peach growers of the county followed recommendations made by the Extension Service on the control of peach insects and diseases. Orchardist throughout the county are becoming more interested in spraying their trees and are following recommendations given by the agents.

Miscellaneous: Information was given upon request in the control of insects on cattle and in the control of rodents and other pests.



## FORESTRY

Forestry work during 1945 included selective cutting, thinning, plantings, 4-H club work and giving advice in fire prevention and marketing.

### Planting

35,500 slash pine seedlings were obtained and planted by 20 farmers. These seedlings were bought by the International Paper Company of Georgetown, the Champion Paper and Fiber Company of Canton, N. C., and the Union Bag and Paper Company of Savannah, Ga. Through November 30, 1945, 12 farmers placed orders through the county agent's office for 56,000 pine seedlings to be planted in 1946.

### Fire Prevention

Farmers and others were urged to take great care in preventing the start of forest fires, and in the extinguishing any fires that might accidentally occur. Forest fire fighters are organized under the county forester. Book markers dealing with the prevention of forest fires were distributed to 4-H club members.

### Marketing

Information was given to a large number of farmers upon request as to pulpwood companies operating within the county and the specifications and prices currently in effect. A large number of farmers marked pulpwood during the year but were handicapped to a certain extent due to the shortage of available labor. Ten farmers were assisted in marketing farm timber and pulpwood valued at approximately \$8,000.00.

### 5-Acre Pulpwood Thinning Contest

Five farmers were signed up for the 5-Acre pulpwood thinning contest. Two meetings in marking for selective cutting were held.

FOUR-H CLUB WORK

Boys' 4-H club work during 1945 was conducted with six community clubs with an enrollment of 92. Regular meetings were held with each club.

Summary of enrollment and completions: Following is given a summary of enrollment and completions by clubs:

Summary 4-H Club Enrollment and Completions				
Name of Club	Number Enrolled	Members Completing		Percent of Members Completing Demons.
		Number	Completions	
Gross Keys	12	8	8	66
Jonesville	20	10	10	50
Kelly-Pinckney	8	6	6	75
Santuc	13	8	8	62
Union Hi, Jr.	7	4	4	57
Union Hi, Sr.	24	10	10	42
Miscellaneous	8	7	7	86
TOTALS	92	53	53	AVERAGE 58

Following is given a summary of 4-H club enrollment of boys and yearly completions from 1936 through 1945:

Summary 4-H Club Enrollment and Completions, 1936 - 1945			
Year	Demonstration Enrollment	Number Demonstration Completions	Percentage Completions
1936	90	36	40
1937	70	34	49
1938	110	55	50
1939	104	59	57
1940	160	93	58
1941	142	93	65
1942	92	53	58
1943	115	75	65
1944	120	72	60
1945	92	53	58
TOTALS	1,095	623	AVERAGE 57

Summary 4-H demonstrations: On the following page is given a summary of 4-H club demonstrations completed in 1945:



Summary Completed Demonstrations -- 1945

Demonstration	Number Completed	Value Products	Cost	Profit
Beef Calf	1	\$ 25.00	\$ 15.00	\$ 10.00
Dairy Calf	15	2145.00	1629.00	516.00
Pig Feeding	15	610.00	425.50	184.50
Poultry	21	2054.61	1079.71	974.90
Sow and Litter	1	175.00	125.00	50.00
TOTALS	53	\$ 5009.61	\$3274.21	\$ 1735.40

This summary shows that 53 4-H demonstrations were completed, valued at \$5,009.61, at a cost of \$3,274.21, leaving a profit of \$1,735.40.

4-H Club Records

Following is given a summary of 4-H club records completed in 1945.

Beef Calf Demonstration

Name	Number Animals	Value	Cost	Profit
Edward Sanders	1	\$25.00	\$15.00	\$10.00

Dairy Calf Demonstrations  
(reported under dairying)

Pig Feeding Demonstrations

Name	Number Animals	Value	Cost	Profit
L. B. Hendor	1	\$15.00	\$ 9.50	\$ 5.50
Bobby Danner	1	37.50	25.00	12.50
Lewis Scott	1	40.00	25.00	15.00
Talmage Smith	1	30.00	21.00	9.00
Ralph Jenkins	1	30.00	21.00	9.00
Carl Rochester	2	60.00	42.00	18.00
Bobby Green	1	60.00	55.00	5.00
Robert Knox	1	12.50	11.00	1.50
Hamblin Garner	1	37.50	22.00	15.50
Marion Grady	1	50.00	40.00	10.00
Harry Ray Jolly	1	30.00	18.00	12.00
Douglas Parkins	1	45.00	31.00	14.00
James Parkins	1	45.00	31.00	14.00
Joe Tucker	1	50.00	23.00	27.00
Francis Harvey	1	67.50	51.00	16.50
TOTALS	16	\$610.00	\$425.50	\$184.50



# Poultry Demonstrations

## Poultry (Broiler) Demonstrations

Name	Number Birds	Value	Cost	Profit
Bobby Sprouse	100	\$ 135.00	\$ 55.00	\$ 80.00
Donald McDade	100	135.00	53.25	81.75
Harold Lipsey	25	26.50	10.65	15.85
Ted Garrett, Jr.	14	13.00	4.90	8.10
Sloan Fender	150	185.00	98.50	86.50
Arthur Willard	35	52.00	19.25	32.75
C. B. Horne	40	43.00	18.00	25.00
W. J. Porter, Jr.	100	103.00	57.00	46.00
Joseph H. Kirby	25	25.00	16.25	8.75
James Faucett	20	22.00	14.00	8.00
William Rush, Jr.	40	42.00	26.00	16.00
TOTALS	649	\$ 781.50	\$372.80	\$408.70

4-H Poultry Contest sponsored by Sears Roebuck Foundation: In the spring of 1945, ten 4-H club boys and girls entered a poultry contest which was sponsored by Sears, Roebuck Foundation. The Foundation purchased 100 chicks each for the ten contestants. This was a joint project with the home agents and the clubsters were visited from time to time during the year, and were given assistance where necessary.

Six pullets from each flock were exhibited part of the week of Union County Fair. On Friday they were auctioned off to the highest bidder and the sixty pullets brought a total of \$157.20, an average of \$2.62 per bird.

The clubsters were entertained that night at a banquet at the Fairforest Hotel by the Foundation, at which time prizes for the contest were awarded. Mary Kate Strother, winning first place, received \$40.00; George Glenn, Jr., winning second place, received \$20.00; Sam Knox, winning third place, received \$10.00 and the other seven contestants received \$5.00 each.

The contest will be continued until the spring of 1946, when an egg show will be held.

A summary of the 4-H poultry contest for the first six months follows:

### Summary of Poultry Contest

Name	No. Chicks Raised.	No. hens at 6 mos.	Total Returns	Total Cost	Profit
Mary K. Strother	94	47	\$153.52	\$49.70	\$103.82
George Glenn, Jr.	90	14	105.50	67.52	37.98
Sam Knox	84	12	96.00	70.80	25.20
Elizabeth Wilson	98	43	142.10	61.10	81.00
Allan Little	87	20	125.95	79.65	46.30
George Williams	90	20	115.00	47.98	67.02
Charles Kelly	93	35	145.54	105.05	40.49
Mary K. Wilson	96	35	131.00	81.94	49.06
Rudelle Ivey	74	33	107.74	43.60	64.15
Lynn Tollison	94	55	150.75	99.57	51.18



These records show that of the 1,000 chicks 900 were raised. At the end of the first six months 314 hens were left in the flocks. The total returns amounted to \$1,273.11, with expenses amounting to \$706.91, leaving a profit of \$566.20.

Sow and Litter Demonstration				
Name	No. Sows	Total Value of project	Cost	Profit
Franklin Wright	1	\$175.00	\$ 125.00	\$ 50.00

#### 4-H Club Camps

The week of July 2 - 6, representative groups from each club in the county attended Camp Long. It was a very successful week in that the boys were taught many practical things that would help them on their farms back home. One 4-H club boy and two 4-H club girls attended Conservation Camp at Camp Bob Cooper, as representatives from Union County. They were accompanied by the assistant home agent.

#### 4-H Exhibits

Following is a summary of 4-H club exhibits from Union County.

Fair Exhibits				
Exhibit	Number Exhibiting	No. Entries	Fair at which Showing was made	Premiums
Dairy cows	3	3	Spartanburg County	\$ 75.00
Pens Poultry	10	20	Union County	111.00
TOTALS	13	23		\$186.00

SPECIAL COLLECTIONS  
REMOVAL SHEET

The following item(s) [For photographs, include size and whether black & white or color]

1 6 x 6 photograph: Auction sale of 60 pullets at Union County

Fair (1945)

Has/have been removed from Union County Annual Report --1945--Martin and

Hughes

And moved to CU Photos

For reasons of:    Size    Nature of item xx Other (                      )

Name J. Renee Conte

Date 6/12/90



### HORTICULTURE

Commercial Orchards: The county agents worked very closely with the commercial peach growers throughout the year, giving assistance and advice on pruning, disease and insect control, fertilization and cultivation. Although some orchards were damaged by hail, Union County peach growers produced an excellent crop which was marketed very successfully. The county agents assisted 20 farmers in marketing approximately 84,000 bushels of peaches, valued at \$114,800.00.

Home Orchards: Farmers were encouraged to set out fruit trees for home orchards and were given advice and assistance in pruning, control of insects and disease and fertilization of their trees. A large number of farmers visited the county agent's office for the purpose of information regarding the variety of tree and vines which should be obtained and the names of nurseries from which they could make purchases. Twenty-five farmers placed orders through the county agent for \$232.65 worth of nursery stock.

Sweet Potatoes: The production of sweet potatoes in Union County has increased during the past several years and it is estimated that approximately 20,000 bushels of Improved Porta Rica potatoes were produced for market during 1945. The county agents have assisted the commercial potato growers in securing good seed potatoes and plants and has given advice regarding fertilizer and cultural practices. One hundred farmers were given assistance in marketing 5,000 bushels of potatoes valued at \$12,500.00.

Gardens: All farm families were urged to produce vegetables sufficient to meet their home needs and assistance was given throughout the year through bulletins, personal contacts and radio programs in selection and varieties of various vegetables, fertilization, and control of insects and diseases. Growers of victory gardens by towns people was also encouraged and it is estimated that at least 1500 victory gardens were grown throughout the county. A large number of visits were made to the county agents office by both farmers and towns people in order to obtain information regarding the growing of vegetables. This was given and a large number of bulletins were distributed.

### MARKETING

Extension work in marketing for 1945 included cooperative buying and selling of farm produce, and advice in grading and packing.

Grading and Packing: The agent worked very closely with the commercial peach growers and sweet potato growers of the county, keeping them in close touch with the markets and assisting in grading and packing their products. Assistance was given in setting up the packing sheds and with the aid of the labor assistant, labor was secured for successfully handling the large crop.

Cooperative Buying: The county agent cooperated with farmers of the county throughout the year in purchasing feed, seed, insecticides, fruit and nut trees, baby chicks, farm machinery, and containers.

Feed Wheat: One car of feed wheat, containing 79,272 pounds, was delivered to 141 Union County farmers, which cost them \$1,856.41. The wheat was ordered from the Commodity Credit Corporation.

Marketing of Surplus Farm Products: The county agent assisted farmers of the county throughout the year in the marketing of surplus farm products for which there were no regularly established local markets.



Summary Marketing Work -- 1945

Cooperative Marketing Associations operating in the County

Name of Cooperative	Value of Products Handled	
	Bought	Sold
Home Demonstration Club Market	\$ 10.80	\$ 4,551.33
S. C. Peach Growers Ass.		77,500.00
Union County Potato Coop		12,500.00
<b>TOTALS</b>	<b>\$ 10.80</b>	<b>\$ 94,551.33</b>

Volume and Value of Farm Products Marketed by Farmers in the County

Products	Volume	Value	
		Sold	Bought
Hogs, breeding	2 head		\$ 50.00
Beef cattle - meat	1 head	\$ 109.93	
Beef cattle - breeding	3 head		300.00
Poultry	15,971 pounds	6,534.20	
Eggs	25,200 dozen	1,260.00	
Dairy Cattle	34 head	4,000.00	145.00
Milk	65,780 pounds	8,175.00	
Sheep	1 head		25.00
Baby Chickens	4,000 chicks		600.00
Serum & Virus	5,760 cc		58.97
Sweet Potatoes	5,000 bushels	12,500.00	
Fruit Crops	85,217 bushels	150,434.00	
Vegetable Crops	1,658 bushels	3,316.00	
Corn - feed	200 bushels		300.00
Cottonseed	32 tons	150.00	225.00
Wheat	95 bushels	112.50	
Oats	1,135 bushels	832.25	586.50
Rye	50 bushels	75.00	
Barley	175 bushels	297.50	18.75
Soybeans	10 bushels		40.00
Crotalaria	20 lbs.		4.00
Sweet Potato Plants	300,000	300.00	300.00
Hay	50 tons		1,900.00
Lespedeza Seed	4,500 pounds	407.20	
Clovers	100 pounds		84.00
Rudzu Crows	117,000	204.00	1,220.00
Nursery Stock	681		232.65
Pulpwood	250 units	625.00	
Forest Seedlings	35,500		88.75
Farm Machinery	1		705.00
Containers	2,500 baskets		875.00
Feed - wheat	97,272 pounds		1,836.41
Miscellaneous Equipment			35.35
Mineral Supplement	500 pounds		17.50
<b>TOTALS</b>		<b>\$189,332.58</b>	<b>\$9,647.88</b>
Total products bought and sold			<b>\$198,980.46</b>

# POULTRY

Extension work with poultry projects in Union County for 1945, included poultry flock record demonstration, vaccination demonstrations, giving advice as to poultry management and culling of farm flocks, aiding farmers in building and remodeling buildings, and giving advice in disease and insect control.

Farm families were encouraged to increase the production of poultry and poultry products for home use and for market and were supplied with timely information through meetings, news articles and radio broadcasts.

Many city poultry raisers were advised as to flock management, housing and sanitation.

Demonstration flock record: One demonstration flock record was completed by a poultry keeper during 1945. A summary of the record follows:

## Flock Record

Name	Miss Gilmer Blankenship	County	Union
Address	R-2, Union, S. C.	Breed	White Rock
Average No. Hens for Yr.	49.7	Total Investment	\$ 372.50
Total No. Eggs	10,948	Ave. No. eggs per hen	217.1
Poultry Sales	\$328.60	Egg Sales	\$489.35
Feed Cost		Total	\$ 817.95
			\$ 179.39
Income Above Feed Cost			\$ 638.56
Stock Increase or Decrease			\$
Total Credits			\$ 638.56
Depreciation @ 5%			\$ 9.82
Interest @ 6%			\$ 22.35
Stock and Eggs Bought			\$ 26.60
Miscellaneous Expenses			\$ 1.35
Total Expenses			\$ 60.12
Labor Income			\$ 578.44
Labor Income Per Hen			\$ 11.64
Feed Cost Per 100 Pounds	\$ 3.40	Percent Mortality of Hens	0.1
Chicks Brooded	250	Number lost	21
		Percent lost	8.4

Following is a summary of demonstration poultry records in Union County for the period, 1940 - 1945.

## Summary Poultry Demonstration Flock Records, 1940 - 1945

Year	No. Dem.	Average No. Hens	Labor Income Per Hen
1940	3	243.5	.27
1941	2	277.9	2.24
1942	1	47.8	8.89
1943	1	58.6	8.99
1944	1	51.3	13.66
1945	1	49.7	11.64
TOTALS	9	2968.8	AVERAGE 1.19



Vaccination demonstrations: The county agent assisted poultrymen in vaccinating their flocks during the year. Farmers of the county have found that vaccinating their poultry pays and are adopting the practice of vaccinating their pullets each year.

Culling: Assistance was given in the fall to poultry raisers in culling their flocks, and the points to be considered in culling were explained.

Feed: A number of poultrymen bought wheat from a car that was received in the county from the Commodity Credit Corporation. This wheat mixed with home raised grain has provided as near a balanced ration as could be obtained for their flocks. Information was furnished for feed mixing and feeding.

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

Poultry Marketing: Local markets were adequate to take care of all surplus poultry and eggs in the county. Turkey raisers were also assisted in marketing their flocks during the seasons.

### PUBLICITY

Publicity work and the distribution of educational information in connection with the 1945 extension program in Union County was done through circular letters, press articles, radio programs and bulletins. A summary of work done in this connection is given as follows:

#### Summary Publicity Work

Individual letters written	594
Circular letters prepared	24
copies mailed	6,182
News articles published	26
Bulletins distributed	674
Radio talks made	42

Circular letters: A total of 24 circular letters were prepared and 6,182 copies were mailed to farmers and 4-H club boys in Union County in 1945. These letters contained information on timely agricultural matters, notices of meetings and information on results of demonstrations and experimental work. Specimen copies of circular letters are attached to this report.

Press articles: A total of 26 press articles of timely agricultural interest were prepared and published in the Union County and Spartanburg County newspapers in 1945. Specimen copies of news articles prepared are attached to this report. This total does not include press articles prepared at Clemson and mailed directly to the local paper.

Commercial Advertisements: Business houses of the county were contacted regarding the S. C. 10-Point Food and Feed Program and most of them agreed to cooperate in publicizing this program in connection with their regular commercial advertisements. Forty-nine business houses cooperated in placing a full page advertisement, sixteen business houses cooperated in placing a three-quarter page advertisement, and four business houses cooperated by publishing one or more phases of the program in their individual ads, thus helping to place the program before the farm people of Union County over a long period of time.

Radio Programs: During the year the agents appeared weekly on the farm hour over station WSPA, Spartanburg. These broadcasts were known as Union County Farm Hour. Information of current interest to the farmers in the county was discussed at these broadcasts. Several times farmers appeared with the agent on the program.

Bulletins distributed: A total of 674 bulletins were distributed to farmers and 4-H club boys during the year. Many farmers have formed the habit of calling at the county agent's office to obtain bulletins and circulars giving desired information regarding various crops and livestock enterprises and agricultural engineering problems.

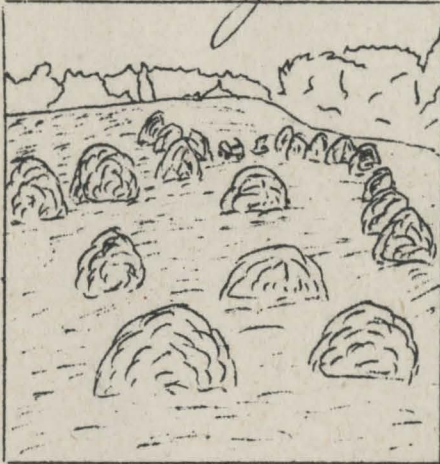


On the following pages will be found specimen copies  
of circular letters issued during the year.



# Plant Kudzu and Sericea for

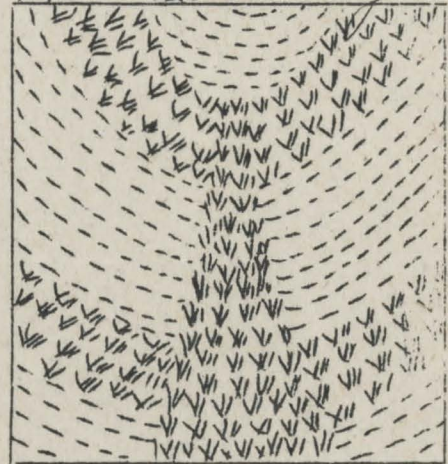
Hay



Grazing



Erosion Control  
and  
Soil Building



Union, South Carolina  
January 18, 1945

TO ALL FARM PEOPLE IN UNION COUNTY:

There are over thirty-five thousand acres of idle land in Union County on which the owners are paying taxes, but getting no income.

These idle acres can be put in either kudzu or Sericea lespedeza. In addition to controlling erosion on these idle and unproductive acres, these crops would provide hay and grazing for extra numbers of livestock which we need very badly in this county.

The Supervisors of the Broad River Soil Conservation District, as well as Federal and State Agricultural Agencies, join me in urging that you begin this year to plant one or both of these crops on a few of the idle and unproductive acres on your farm.

If all the idle land in this county was planted to Kudzu or Sericea, we could increase our income from cattle, many times over.

Assistance is available to help you locate crowns and seed, how to plant and fertilize, and also to help you locate these crops in the proper places on your farm. The AAA will pay a substantial part of the cost of establishing these crops.

While you have this on your mind, fill out the enclosed card, which requires no postage, and drop it in the mail box. Within the next few days, a representative of this office or the Soil Conservation Service will visit your farm to see you. Send your cards in now so as to get off to an early start.

Very truly yours,

*J. E. Pagan*  
J. E. Pagan, 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

Union, South Carolina  
February 5, 1945

EXTENSION SERVICE

TO ALL COMMUNITY AND NEIGHBORHOOD LEADERS:

The year 1945 will likely be one of the most critical of all the war years. Our country will need the undivided and aggressive support of all its people and the efficient use of all its resources. Your Extension Service needs your personal help in an effort to make the best use of all our agricultural resources to the end that South Carolina 1945 10-Point Food and Feed Production Program with the slogan, "Food Fights for Freedom," a copy of which is attached. In adopting such a program, we are fully aware that farm people will have to face such unusual difficulties as labor, equipment, and transportation shortages. It is because these difficulties exist that the need for unusual effort is urgently necessary. Your Extension Service working alone can do something, but not enough. We need your help.

During the two weeks, February 5 to February 17, we are hopeful that we can stimulate all farm people to plan carefully in advance to make the very best use of every facility at their command. Here are ways you can help us:

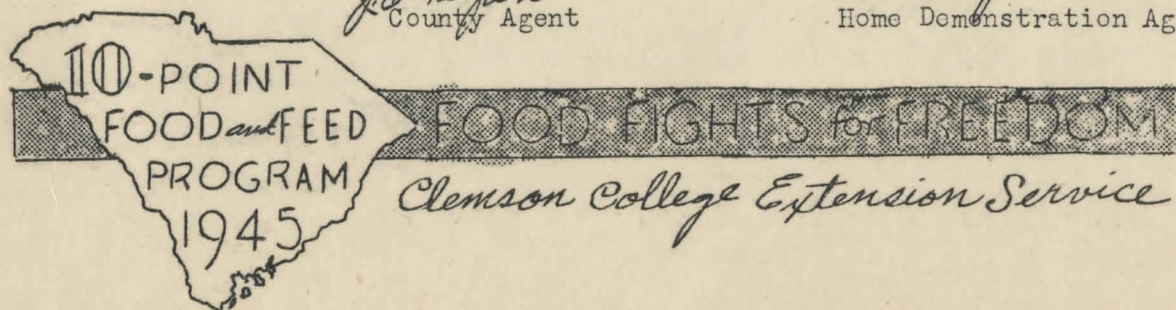
You will be meeting your neighbors at church, at the store, in the field, and at neighborhood and family gatherings. Urge them to use these two weeks to make plans for 1945. Do they have all the planting seed they need..... do they have equipment that needs repair ..... have they ordered repair parts ..... have they ordered their fertilizers ..... do they plan to fertilize this spring's grain crop heavily ..... how much hay do they need and what kind ..... has a garden been planned ..... do they need a silo, if so, what crops are they planning to plant to fill it ..... how can neighbors trade labor and equipment to get hay up, silos filled, buildings repaired ..... are there sufficient equipment and facilities available for storage and conservation of all kinds of food and feed? These and other ideas of your own can be effectively used to make the year 1945 our greatest wartime effort and will be our part in shortening this war.

We would welcome any ideas you will have regarding ways to make this 10-point program more effective. RESULTS are what we need.

Yours very truly,

*J. H. Hagan*  
County Agent

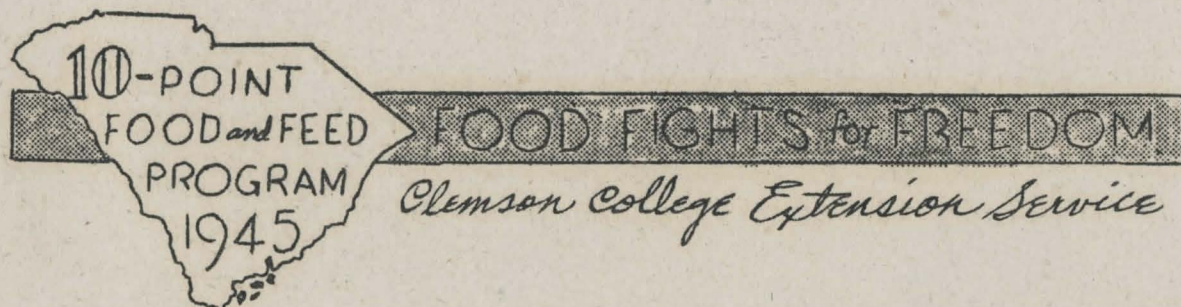
*Mahala J. Smith*  
Home Demonstration Agent





# SOUTH CAROLINA 1945 10-POINT FOOD<sup>and</sup> FEED PRODUCTION PROGRAM

1. Make maximum use of available labor and equipment on the farm and in the community.
2. Arrange now for quality planting seed.
3. Arrange now for fertilizers for heavy applications.
4. Check farm and home equipment, and order parts or new equipment now.
5. Grow plenty of high quality grazing, hay, and silage.
6. Produce record small grain and corn crop.
7. Produce adequate gardens, poultry, eggs, meat, and milk for every family and conserve for home use.
8. Produce, grade, pack, and market quality products.
9. Take care of the land and forests.
10. Control crop and livestock diseases, insects, and parasites.





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

Union, South Carolina  
October 5, 1943

EXTENSION SERVICE

TO ALL FARMERS IN UNION COUNTY

Dear Friend,

Cotton Harvest: Due to the bad weather conditions we have had, I would suggest to you who have picked cotton, to spread it out in a building for at least two or three weeks and keep it stirred well so it will dry thoroughly before ginning. Cotton that has been ginned wet will not make good samples, and it has been reported to me that buyers are only paying approximately 15 or 16 cents for such cotton and are not anxious to buy cotton of such grade and staple. Farmers in Union County cannot sacrifice cotton at such a price, if it can be avoided by a few simple methods. The same cotton picked dry and ginned dry will mean from \$20 to \$25 a bale more to cotton producers in Union County.

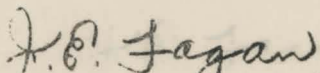
Controlling boll weevils another year; There is and has been a lot of boll weevils this summer and early fall. Destroying of cotton stalks as soon as cotton is harvested is one of the best methods of eradicating the boll weevil.

Seeding Small Grain: It is now time to start seeding oats, wheat and barley. By all means get the best seed available and be sure to treat all seed before planting. At least 300 pounds of a commercial fertilizer under small grain at seeding time will pay well. I would also recommend a firm seed bed for seeding any small grain.

Potato Harvest: It is also time to dig sweet potatoes. Be sure that your potatoes are harvested before frost. Potatoes should be handled very carefully at harvest as they are easily bruised. Handle them like eggs and have a good tasting and nice looking potato. There is a new bulletin available at the County Agent's Office, on handling, curing and storing sweet potatoes. Call by for one.

Fruit Trees: Any farmers who are interested in fruit, please place your orders as early as possible if you intend to get them through the County Agent. Get Extension Bulletin No. 89, The Farm Orchard, for further information. It is also available at the County Agent's Office.

Very truly yours,

  
J. E. Fagan, County Agent

JEF:L

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



# SOUTH CAROLINA

## 10-POINT FOOD AND FEED PROGRAM FOR 1945

1. Make maximum use of available labor and equipment on the farm and in the community.

2. Arrange now for quality planting seed.

3. Arrange now for fertilizers for heavy applications

4. Check farm and home equipment, and order parts or new equipment now.

5. Grow plenty of high quality grazing, hay, and silage.



6. Produce record small grain and corn crop.

7. Produce adequate gardens, poultry, eggs, meat and milk for every family and conserve for home use.

8. Produce, grade, pack, and market quality products.

9. Take care of the land and forests.

10. Control crop and livestock diseases, insects and parasites.



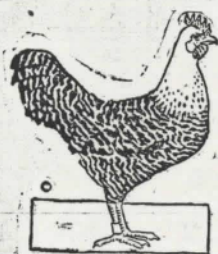
quality grazing, hay, and silage.

stock diseases, insects and parasites.

## "Food Fights for Freedom"

Union County and the State of South Carolina are below the National average in producing food and feed. Surely the people of Union County desire to become self-sustaining in the matter of food and feed . . . In order to do

this, it will be necessary for every farmer to adapt himself to the entire ten points listed above; and produce food and feed. livestock, poultry and do everything that will help Union County to live at home.



This is a task for everyone . . . Every Farmer, as well as every urban gardener, is urged to cooperate in this effort. Won't you do your share?



Food and feed are vital to victory over our National enemies . . . It is not only essential but patriotic to raise the food and feed we need . . . "FOOD FIGHTS FOR FREEDOM!"



This Appeal Sponsored by the Following Public Spirited Firms and Individuals who are Interested in the Agricultural and Economic Welfare of Union County.

WALLACE MANUFACTURING CO.  
Jonesville

BROWN BROTHERS, Jonesville

JONESVILLE DRUG COMPANY

PEOPLE'S FURNITURE & UNDER-  
TAKING CO., Jonesville

C. G. WEST STORE, Jonesville

D. G. COLEMAN'S, Jonesville

E. H. WILKEN'S STORE, Jonesville

COMMUNITY CASH GROCERY NO. 15  
Jonesville

R. C. LITTLE GENERAL MERCHANDISE  
R-1, Jonesville

BANK OF JONESVILLE

JACK KELLY, R-4, Union

JOHN T. BELUE, R-4, Union  
STONE HARDWARE COMPANY

EFIRD'S DEPT. STORE

DeLUXE CAFE

SMITH'S STUDIO

S. FRAM

J. F. McLURE

F. C. DUKE, Optometrist

EDWARDS TIRE STORE

SMITH JEWELRY

F. C. GODSHALL

HOBNOB

SEARS, ROEBUCK and COMPANY

M. E. TINSLEY

WHITENERS BARBER and BEAUTY  
SHOPS

WILBURN'S REPAIR SHOP

GRAHAM'S FLOWER SHOP

DIXIE SHOE SHOP

BRUCE SHOE STORE

I. FROM and SON, Inc.

ALLEN MILL STORE

PEOPLES GARAGE

DILL'S RADIO SHOP

C. K. MORGAN, Livestock

UNION TIRE RECAPPING COMPANY

W. C. McNEACE, Cafe  
UNION DAIRY

UNION FURNITURE COMPANY

BURGESS CLEANERS

SQUARE DEAL GROCERY

CITY MOTOR CAR COMPANY

W. M. BRADBURN

PINCKNEY STREET GROCERY

G. H. RECTOR'S

W. T. DEASON'S GROCERY

KEISLER'S SERVICE STATION  
and GROCERY STORE

HOLLINGSWORTH MARKET  
and GROCERY





**Serving with a  
soldier's pride**



**GOOD SOLDIERS..**

**THE WAC**  
WOMEN'S ARMY CORPS

See Cpl. Monroe R. Smith, American Legion Service office, Union County Courthouse or call 111 for a special appointment.

Mrs. James E. Gault has received the first letter from her brother, Pfc. Irvin I. Morris, son of Mr. and Mrs. E. F. Morris, who has landed safely in France and is doing fine.

The following telegram was received by Mr. and Mrs. Ernest Sims. "Regret to inform you that your son, Pfc. William R. Sims, was slightly wounded Feb. 1, in action in Germany. Letter follows direct from the hospital with detail.

Pvt. Clyde T. Farmer, in active service somewhere in France has been in a hospital somewhere overthere for two months, according to a letter received from him to his parents, Mr. and Mrs. R. F. Farmer, of Lockhart. He says he is recovering nicely and is in good spirits. He will have been in service two years in April.

Mrs. Farmer has another son, Sgt. Clarence R. Farmer, who entered the service in 1942. Letters

# Pound Tokyo Area

## Capitol's Seven Million Sent To Raid Shelters

U. S. PACIFIC FLEET HEAD-QUARTERS, GUAM, Feb. 16—(AP)—Tokyo was attacked today by upwards of 1,500 carrier planes while the most powerful fleet in America's history proudly rode waters less than 300 miles from Japan. The attack is continuing.

Battleships, cruisers and destroyers of Adm. Raymond A. Spruance's Fifth fleet spread out in a line for 200 miles while Vice Adm. Marc A. Mitscher's carrier air arm, mightier than ever before, sent Tokyo's seven millions to raid shelters.

Hot Steel for Iwo Jima  
Seven hundred miles south of Tokyo, big guns of warships poured hot steel into Iwo Jima and other islands of the Volcano-Bon-in group while army bombers sent down a hail of explosives.

Something tremendous is unfolding.

Threatens Heart of Tokyo  
The long-planned and extensive operations threatened the heart of the Japanese Empire with:

1 The probability of blockading it into condition for eventual invasion.

2. Continuous pounding to reduce its airplane factories to ruins.

Rocket and bomb-bearing Hellcats and Helldivers and Avenger Torpedo planes, swinging over Tokyo's 214 square miles, tore into airfields and military defense zones at 7 a.m. Japanese time. They tangled over the city with the Japanese airforce in fierce sky fights.

Mitscher Leads Attacks  
Mitscher appeared bent on knocking out the bulk of Japan's homebased airforce as his immediate objective. How well he can do that is suggested by the carrier air arm's achievements in January in destroying nearly 800 Nipponese aircraft in sweeps from Saigon, French Indo-China to Amoy, China. During 1944, carrier planes destroyed 6,650 enemy aircraft.

"This operation has long been planned and the opportunity to accomplish it fulfills the deeply cherished desire of every officer and man of the Pacific Fleet."

## TO DEAL WITH NAZI FIELD COMMANDERS

WASHINGTON, Feb. 16.—(AP)—The Allies are expected to deal with German field commanders—not the Nazi government or the Wehrmacht's general staff—when the hour comes for imposing unconditional surrender terms on the beaten enemy.

This was suggested in competent quarters today as the answer to one question arising out of the Yalta conference announcement.

The Big Three conferees said the unconditional surrender terms would be imposed after German armed resistance had been crushed, but did not specify to what German or Germans the terms would be presented. The declaration apparently ruled out both the government and the general staff by emphasizing the intention to destroy both.

In accepting capitulation from whatever Field Commanders leading German forces at the fighting fronts at the day of surrender, it is expected the terms will be confined to those of purely military aspect. Commitments of a political nature would be left for other individuals or groups.

## Police Question Woman In Death Of Lieut.'s Wife

COLUMBIA, S. C., Feb. 16—(AP)—Police questioned today woman whose identity they kept secret as they sought to establish a motive in the bizarre death of 26-year-old Mrs. Mary Lee Epes whose army lieutenant husband is formally charged with murder.

The body of Mrs. Epes, a school teacher, was found in a maneuver foxhole near Ft. Jackson yesterday after her husband, Lt. S. Epes, son of a Richmond, Va., industrialist, led officers to the lonely spot.

Lt. Epes, weak from loss of blood because of razor wound army authorities said were self-inflicted, rode in a hospital ambulance to the scene and admitted



## 4-H CONTESTS -- GARDENING, CANNING AND POULTRY

On Friday evening, October 12, Sears, Roebuck Foundation entertained the participants in the 4-H Gardening, Canning and Poultry Contests, at a banquet at the Fairforest Hotel. This concluded the contests which were sponsored by the Foundation. The respective winners were announced and prizes awarded as follows:

### Gardening:

First Place -- Eva Williams, \$7.00  
Second Place -- Betty Palmer, \$5.00  
Third Place -- Blanche Lawson, \$3.00  
With \$1.00 prizes to the next five, Erlene Gist, Vegia Ivey, Virginia Ivey, Janie Ellen Meador and Doris Lawson.

### Canning

First Place -- Jane Wilson, \$7.00  
Second Place -- Mary Katherine Wilson, \$5.00  
Third Place -- Virginia Ivey, \$3.00  
With \$1.00 prizes to the next five, Erlene Gist, Doris Harris, Goldie Ivey, Vegia Ivey and Eva Williams.

### Poultry

First Place -- Mary Kate Strother, \$40.00  
Second Place -- George Glenn, Jr., \$20.00  
Third Place -- Sam Knox, \$10.00  
With \$5.00 prizes to the next seven, Elizabeth Wilson, Mary Katherine Wilson, Rudelle Ivey, Charles Kelly, Lynn Tollison, George Williams and Allan Little.

These contests were started in the spring of this year when Sears Roebuck Foundation furnished the chicks and the vegetable seed for the gardens. Thirty-five boys and girls took part.

The contests were under the direction of the County Extension workers, Miss Mahala Smith, home agent, Miss Horle Smith, asst. home agent, J. E. Fagan, farm agent, and C. E. Hughes, asst. farm agent. These projects were visited each month and instructions were given. It was interesting to see the progress made from time to time. The clubsters proudly showed their projects to their friends and neighbors as well as to the agents.

The most outstanding garden was owned by Eva Williams who made a profit of \$83.46. The highest profits shown in the poultry records were those of Mary Kate Strother, with \$118.82 and Elizabeth Wilson with \$96.00.

The canning was attractively exhibited in the Sears, Roebuck Office window from Thursday through Sunday. The six pullets from each of the ten poultry flocks were exhibited in the Union County Fair tent and were auctioned off to the highest bidder Friday afternoon. The 60 pullets brought a total of \$157.20 -- an average of \$2.62 per bird. The bidding went as high as \$3.75 a bird for a pen of the Blue Ribbon Group.



Parents and invited guests joined in the celebration of these 4-H boys' and girls' achievements Friday night. Guests included Mr. W. C. Greenway, who brought greetings from the Sears Roebuck Foundation, Mr. Dan Lewis, State 4-H Club Agent, who presented the outlook of projects such as these, and Mr. L. B. Massey, district farm agent, who extended congratulations to the clubsters for their achievements.

Miss Mahala Smith was mistress of ceremony, Miss Merle Smith and Mr. J. E. Fagan announced the winners in the contests and Mrs. Jennie Jamieson, of the Sears Roebuck Office, presented the awards.

THE UNION TIMES

Respectfully submitted,

*W. J. Martin*

W. J. Martin, County  
Farm Demonstration Agent