

NORTH CAROLINA

GRAVEN

COUNTY AGENT ANNUAL REPORT

1939

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REPORT FILES  
EXTENSION WORK

NORTH CAROLINA AGRICULTURAL EXTENSION  
SERVICE

N. C. State College of Agriculture and Engineering

And

UNITED STATES DEPARTMENT OF AGRICULTURE

Cooperating

I. O. Schaub, Director

NARRATIVE REPORT

1939

COUNTY AGENT ANNUAL REPORT

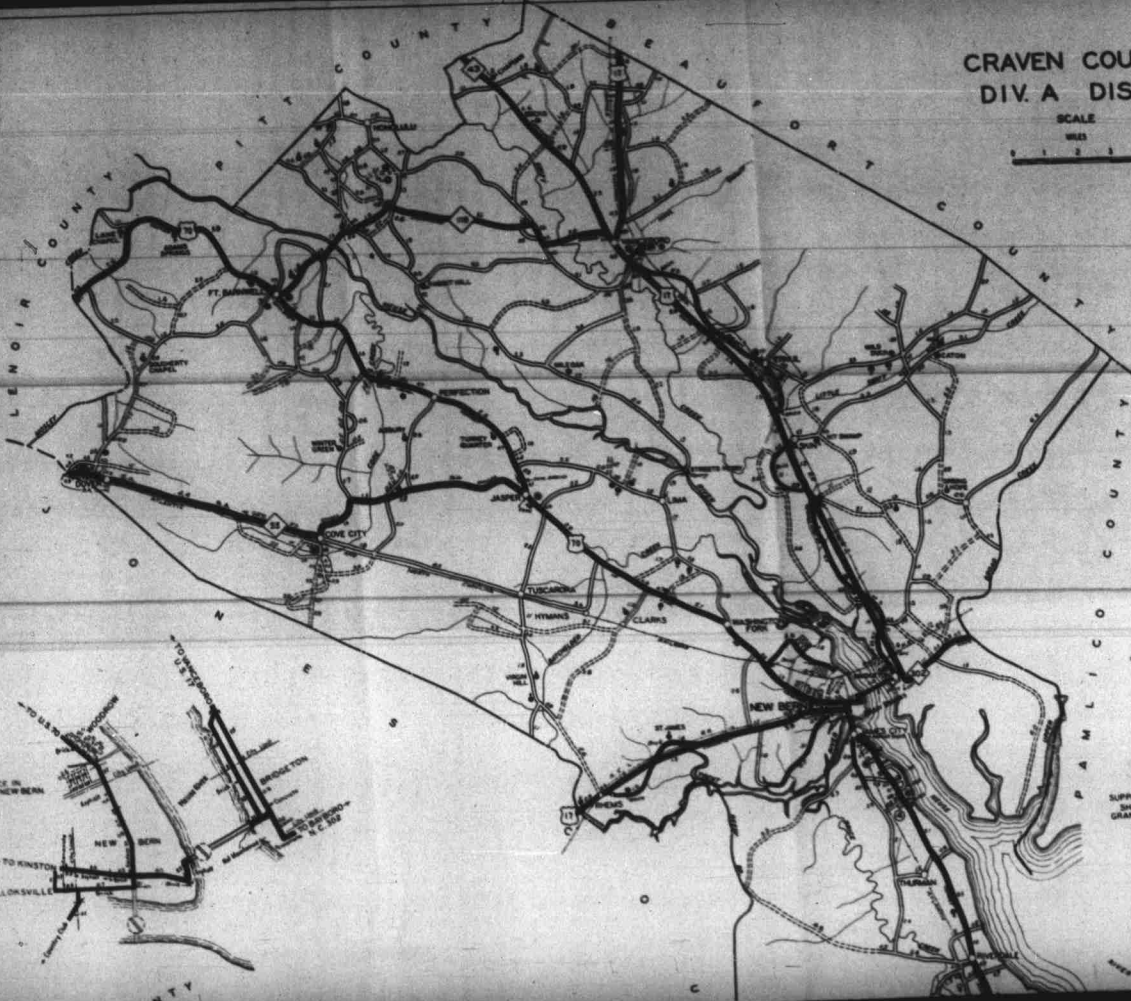
GRAVEN COUNTY

L. O. MATTHIS COUNTY AGENT

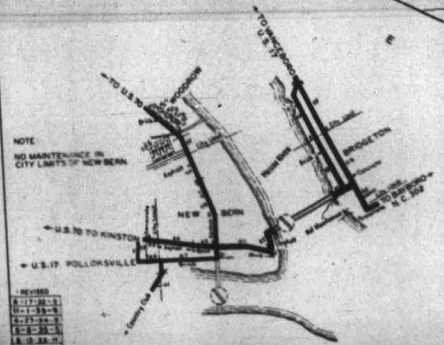
# CRAVEN COUNTY DIV. A DIST. 3.

SCALE

MILES

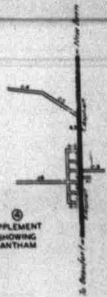


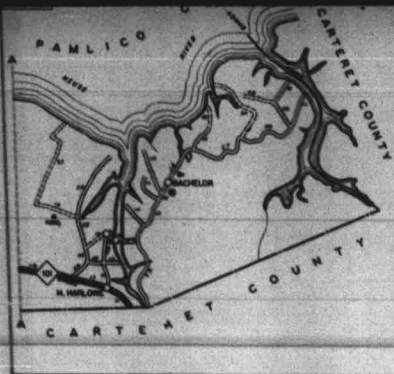
NOTE  
NO MAINTENANCE IN  
CITY LIMITS OF NEW BERN



1	NEW BERN
2	BEAUFORT
3	JASPUR
4	...
5	...
6	...
7	...
8	...
9	...
10	...

⑧  
SUPPLEMENT  
SHOWING  
GRANTHAM





### LEGEND

#### STATE HIGHWAYS

COUNTY ROAD TYPES

HARD SURFACE

T.B. & C. GRAVEL

GRADED

UNIMPROVED

CONTRL. SCHOOLS

OTHER SCHOOLS

CHURCHES

PRISON CAMPS

RAILROADS

OVERHEAD

UNDERPASS

ELEC. SIGNAL

TYPES

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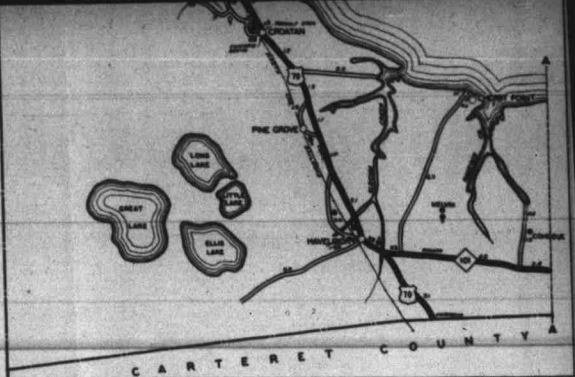


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## II. INTRODUCTION

GRAVEN COUNTY is in the Northern Coastal Plain area of North Carolina, 118 miles southeast of Raleigh, the State Capitol. 18,064 of the 30,685 population is rural with tobacco, corn, cotton, and truck crops being cultivated. The weather is mild throughout the year with a frost-free period of 218 days (7 months). County roads as a whole are good with several paved state highways across the County.

In 1939, Extension Work was carried on by the County, Assistant, and Home Agents. AAA Progress again occupied most of the County Agents' time and most of the Extension Work was handled by the Assistant Agent, cooperating with the Home Agent in 4-H Club Work.

On the pages following will be found a narrative report of the work accomplished by the county Agent L. G. Matthis and Assistant Agent P. M. Cox, the report covering both AAA activities and Extension Work.

## III AGRICULTURAL PROGRAMS

The work in the Soil Conservation and Agricultural Adjustment Programs in the County was under the general supervision of the County Agent. A short summary of the work accomplished on these programs is given below:

The Agent resolved in 1938 to spend more time in the field in 1939 and this resolution was partly carried out, as the Agent was able to get out in the field more this year. Assistant Agent P. M. Cox worked with the Extension Program, helping with the Soil Conservation and AAA Programs when needed.

### A. COMPLETING THE 1938 PROGRAM

On the 1848 farms signed under the Soil Conservation Program in 1938, there were 1335 that received payments. These payments which were distributed to 2597 payees were received from March through November helping them to carry on their farm operations for the year.

Farmers earned these payments by reducing their cotton, tobacco and general soil depleting crops and by planting soil conserving and soil building crops on the diverted acreages; also by carrying out certain practices in their farm operations that were beneficial to the land.

The table below shows details of the payments:

Table No. 1. SOIL CONSERVATION PAYMENTS

	1939
No. Farms Receiving payments	1335
No. Payees	2597
Average payment per farm	\$73.82
Average payment per payee	39.10
Total amount of payments in County	\$101,556.69

### B. COTTON PRICE ADJUSTMENT PROGRAM

The 1937 Cotton Adjustment payment which was the difference between the average price on the 10 "spot" markets and 12¢, not exceeding 3¢ per pound, was made as shown in the table below; the collection of payments in 1938 on the 1937 C.A.P. These payments in most cases amounted to as much or more than the net returns from the cotton crop.



The 1937 C.A.P. payments have all been received, the last being received in 1939, as shown in the table below.

TABLE NO. 2	C.A.P. PAYMENTS FOR 1937	
	1938	1939
No. farms applying for payments	482	92
No. payees involved	746	99
Total amount of payments received	\$12,410.71	\$922.61
Average payment per farm	\$ 25.74	10.03
Average payment per payee	\$ 16.64	9.31

The 1939 Cotton Price Adjustment payment which was based on the poundage times the acreage times 1.64 which was a pre-determined figure for the United States, has been received to date as shown below. Most of the payments were received in October and November.

TABLE NO. 3	CAP PAYMENTS FOR 1939	
No. farms applying for payments	735	
No. payees involved	949	
Total amount of payments received	\$14,691.08	
Average payment per farm	19.99	
Average payment per payee	15.48	

C. 1939 SOIL CONSERVATION PROGRAM

Although there was no Tobacco Control Program in 1939 more interest was shown in the Soil Conservation Program, and 1853 work sheets were filed in the County Office.

A great many of the Work Sheets covered "multiple farms" composed of several units, and therefore the forms actually covered far exceeded the number of Work Sheets; as is evidenced by compliance reports which show 2,270 farms measured in 1939.

The acreage allotments for the various crops are shown in the Table below:

TABLE NO. 4	1939 ACREAGE ALLOTMENTS	
CROP	Allotted Acreage	
General		27964.9
Cotton		3352.6
Tobacco		10735.0
Potatoes		982.7
	TOTAL	43035.2

#### D. COMPLIANCE

All of Craven County was under photographs in 1939. The photographs taken in 1938 were enlarged to scale of 660ft. = 1 in. Three townships in the County were photographed in January 1939 and scaled to 660ft. = 1 in. The compliance work was more accurate in '39 due to the fact that the men were more experienced in the use of the photographs.

The majority of farmers have accepted the aerial photo as a more simplified means of getting a correct measurement of their farm. In spite of the lack of cooperation by some of the farmers in the County who did not comply with the '39 Program, checking compliance was handled very satisfactorily.

#### E. MARKETING QUOTA REFERENDA

Shown below is a table of the Cotton Quota Referenda of December 9, 1939 and of the Tobacco Quota Referenda held on October 5, 1939.

TABLE NO. 5	<u>Cotton</u>	<u>Tobacco</u>
Total votes cast	61	2623
Total Favorable votes	56	2220
Total Adverse votes	5	403
Percentage Favorable	91.7	84.6
Percentage Adverse	8.2	15.4

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**GRAVEN COUNTY AGRICULTURAL CONSERVATION ASSOCIATION**  
**1932**

**Board of Directors**

Township No. 1-A	- G. H. Barrow	R-1 Vanceboro
" " 1-B	- J. H. Joyner	R-1 Grifton
" " 2	- Dandiel Gaskins	R-1 New Bern
" " 3	- F. H. Lane	R-1 Dover
" " 5	- George E. Lovell	Bachelor
" " 6&7	- John L. Hardison	R-4 New Bern
" " 8	- R. M. Kornegay	R-3 New Bern,
" " 9	- S. H. Moore	R-2 New Bern

**Officers**

President	- J. A. Ormond
Vice President	- J. J. Hughes
Secretary	- L. G. Matthis
Treasurer	- J. C. Lane

**Office Personnel**

Chief Clerk	- John C. Lane
Principal Clerk-Steno.	- Emily J. Bunting
Clerk-Stenographers	- Lula E. Fowlkes
	- Jessie E. Pridgen
	- Evelyn A. Hancock
	- Ruth M. Wilcox
Comptometer Operator	- Ethel Whitley Hooker
Temporary Clerks	- Harriet T. Fuller
	- Vashki Jordan
	- Worthington J. Harris
	- Jane Marshall Jenkins
	- Carolina M. Willis
County Supervisor	- Micajah M. Weeks
Rotometer Operators	- Ralph H. Ormond
	- Donald Stallings
	- Elijah Cannon

**County Committee**

Chairman	- J. A. Ormond
Vice-Chairman	- J. J. Hughes
Regular Committeeman	- R. H. Hland
First Alternate	- J. L. Smith
Second Alternate	- R. M. Kornegay

**Community Committeemen**

Township No. 1-A		
C. H. Barrow	- R-1 Vanceboro	
J. H. Smith	- " "	
Joe Simpson	- " "	
B. L. Wetherington	- " "	} Alternates
C. E. Laughinghouse	- " "	

Township No. 1-B

J. R. Joyner  
Virgil Dudley  
Odie Spear  
E. W. Causey  
L. W. Tripp

R-1 Grifton  
R-1 Vanceboro  
R-2 Vanceboro  
R-1 Grifton } Alternates  
" " }

Township No. 2

Daniel Gaskins  
T. W. Holton  
M. A. Wetherington  
E. B. Willis  
W. H. Dunn

R-1 New Bern  
Bridgeton  
R-1 Bernal  
R-1 New Bern } Alternates  
" " " }

Township No. 3

F. E. Lane  
G. E. West  
R. E. Leigh  
H. Wilson  
G. Civils

R-1 Dover  
R-1 Dover  
" "  
R-1 Cove City } Alternates  
" " " }

Township No. 5

George E. Lovell  
J. L. Smith  
R. R. King  
Cicero Taylor  
E. K. Harris

Bachelor  
"  
Bachelor  
North Harlowe } Alternates  
North Harlowe }

Township No. 6 & 7

John L. Hardison  
Joe J. Hughes  
W. E. Moore  
W. J. Wynne  
L. E. Cannon

R-4 New Bern  
" " "  
" " "  
Havelock } Alternates  
R-4 New Bern }

Township No. 8

R. E. Kornegay  
Joe T. Ipock  
W. S. Richardson  
E. C. Millwean  
J. B. Pitts

R-3 New Bern  
R-2 New Bern  
R-2 New Bern  
" " "  
Clark } Alternates  
" " }

Township No. 9

S. H. Moore  
T. J. Wetherington  
H. L. Cox  
Clifton Moore  
G. C. Cox

R-2 New Bern  
" " "  
R-1 Cove City  
R-2 New Bern } Alternates  
R-1 Cove City }

Compliance Supervisors

Milton L. Basnight	- Ermul
Edward F. Blair	- Vanceboro
G. Keith Brunson	- R-1 Grafton
Klijah Cannon	- R-1 Ermul
Bill Clave	- Vanceboro
Herfleet H. Gibbs	- New Bern
Raymond H. Harris	- North Harlowe
Vernon Harris	- New Bern
Robert D. Hatcher	- R-4 New Bern
James H. Ipock	- R-2 New Bern
Grover C. Lancaster	- Vanceboro
Herbert E. Lane	- R-1 Dover
Clarence H. Lovell	- Bachelor
George E. Lovell	- Bachelor
Gerald McLamborn	- Vanceboro
Malcolm H. McWhorter	- R-3 New Bern
Roy A. Miller II	- New Bern
Ray Ormond	- R-1 Dover
Ernest C. Richardson	- New Bern
Allen T. Trader	- Havelock
Thomas A. Windley	- Bridgeton
Merrill P. Wright	- R-2 New Bern
Edgar Whitford	- R-1 Ermul
Manly White, Jr.	- Cove City
Ray D. White	- R-1 Dover

Aerial Survey

Field Engineer	- Glenn K. Martin	Ansonville
Chairman	- Mervin E. Matthis	New Bern
	- William K. Oliver	Havelock
	- Allen T. Trader	Havelock

Tobacco Control Referendum

Township No. 1

= October 5 - Fallholders

- Ermul	Zeb Gaskins
	Brinson Toler
	Ralph Spruill

- Vanceboro	Henry Williams
	E. J. Croom
	Jack Spruill

- Maple Cypress	G. W. Bland
	J. H. Joyner
	Keith Brunson

Township No. 2

- Truitt

G. W. Whitford
R. H. Fuleher
W. H. Dunn

Township No. 3

- Cove City

D. E. Mitchell, Jr.
J. F. Hawkins
G. C. Casper, Sr.

	- Dover	Geo. E. West P. E. Daugherty A. H. White
	- Ft. Barnwell	F. H. Lane E. W. Ormond Graham Sermons
Township No. 5	- Bachelor	J. L. Smith E. R. King C. H. Smith
	- Blades	George E. Lovell A. F. Adams Douglas Williams
Township Nos. 6 & 7	- Croatan	J. L. Hardison W. J. Hynes W. E. Moore
Township No. 8	- New Bern	Joe T. Ipeck R. M. Kornegay George E. Scott
Township No. 9	- Jasper	T. J. Wetherington S. H. Moore Harvey L. Cox
<u>Cotton Referendum -- December 9 -- Pollholders</u>		
All Townships	- New Bern	R. H. Hland L. R. Sermons J. L. Smith

## IV. COOPERATIVE ORGANIZATIONS

## 1. FIVE COUNTY COOPERATIVE LIVESTOCK MARKETING ASSOCIATION

Formed in February 1937, this organization has brought a large sum of money into Craven, Carteret, Jones, Onslow and Pamlico counties. At present time only hogs are shipped through the market, which is located in New Bern.

Previous to 1939 membership of the Association was composed of the Mutual Exchanges in the five cooperating counties, and when there was no Exchange in a county an organization of the farmers who shipped through the market was formed to represent them. However in the early summer of 1939 the Craven Mutual Exchange wished to withdraw from the Association and therefore the Craven County patrons of the market formed an organization to represent them in the Association; the interest of Craven Mutual Exchange being purchased by the Association. The business of the Association is managed by a Board of Directors, composed of one man from each member group. Mr. George E. Scott of New Bern is Assistant Secretary-Treasurer, and at the present time is acting Manager. All employees are responsible to the Board of Directors, who keep a very watchful eye on the business for which they are responsible. The Board of Directors Are:

President	- F. Brock	Trenton	Jones	County
Vice-President	- G. W. Eland	Vanceboro	Craven	County
Secretary	- G. W. Ball	Newport	Carteret	County
Director	- Ralph Brooks	Alliance	Pamlico	County
Director	- A. B. Collins	Jacksonville	Onslow	County

The market has been responsible for raising hog prices in the County by  $3/4$  per pound. Before cooperative shipments were started, most hogs were sold at the farm to truckers. Since the market has been established very few hogs are now sold at the farm.

Previous to 1938 most of the hogs were sold to Kinghan and Company of Richmond, Virginia. Starting in 1936, however, hogs were sold by competitive bids. Armour & Company, Swift & Company and Kinghan & Company being the main bidders.. The bids have been satisfactory, as a whole.

The market is located on the Atlantic and North Carolina Railroad yards at New Bern, the Railroad having built sufficient pens to take care of the hogs received each week. Hogs are sold on Tuesday of each week. When received the hogs are graded and weighed, the farmer getting his check at the office as soon as he sells the hogs.  $2\%$  is charged for handling and  $1/4$  per pound is held back until the hogs have been killed to determine whether or not they are "soft" or "oily". If the hogs do not kill "soft" or "oily", then the  $1/4$  retained is paid to the farmer. This arrangement has proven very satisfactory to the farmers.

TABLE NO. 6

Below is a Table showing the hog sales for Craven County:

Month	No. of Sellers	No. Hogs Sold	Pounds Sold	Net Returns
December	97	412	81,245	\$5250.00
January	134	606	116,780	7820.02
February	129	600	114,345	7528.30
March	123	684	131,490	8243.55
April	94	595	108,430	6330.86
May	110	605	112,539	6729.86
June	45	291	49,395	2781.63
July	20	89	15,210	883.98
August	14	54	10,035	538.54
September	15	64	11,160	838.05
October	15	75	17,600	1083.44
November	22	134	2,693	1466.48
<b>Total</b>	<b>818</b>	<b>4209</b>	<b>770,962</b>	<b>49496.71</b>



8. CRAVEN MUTUAL EXCHANGE, INC.

The outstanding cooperative organization serving the farmers in this County is the Craven Mutual Exchange. Organized in 1928 to buy cooperatively farm supplies and to sell farmers' produce, the Exchange is completing a good year's work. The beginning of 1937 found the organization in very poor financial condition, due to laxity on part of the manager, and some laxity on part of the Board of Directors. However, the new manager pulled the business out of the red during 1937 and made progress in 1938

Interest in the Exchange has lagged somewhat among the farmers, but there is still a fair interest in the organization. Farmers realize that the Exchange is holding down the price of farm supplies. This was exemplified last Fall in the matter of the cost of rye. Prices in New Bern Seed stores were about the same until the Exchange gave out of rye, when this happened the price of rye immediately advanced 30¢ per bag.

The statement of the business for 1939 is not available but it is safe to say that the Exchange has served the farmers well, whether they received a dividend or not.

## V. FARM ORGANIZATIONS

Farmers' Club

The one Farm Organization in Craven County which has withstood the agricultural "whirlwinds", "typhoons" etc. since its organization in 1924 is the Farmers Club.

Since its organization, the club has served as a medium through which the rural population of the County could express its views on agricultural policies affecting the County, State, and Nation. No membership is maintained, every farmer in the County being welcome to attend the meetings which are held monthly except in July and August. The meetings are held in a different community each month in order to give the farmer an opportunity to attend the meeting in his community if he can not get to all of the meetings. A fifty cent supper is served at each meeting by the Home Demonstration Club in the section where the meeting is being held, forty cents going to the Home Demonstration Club and ten cents to the Farmers Club.

Speakers are secured for each meeting on topics giving timely agricultural information. The table below gives interesting information on meetings held this year.

Farmers' Club Meetings 1938-39

Table No. 7

Date of Meeting	Attendance	Community	Topic Discussed	Speakers
12/8/38	50	Ernul	AAA Tobacco Marketing Program Craven Mutual Exchange	J. L. Nickelson, AAA Field Assistant F. H. Whitehurst, Director G. M. Ex.
1/11/39	30	Epworth	1939 Agricultural Conservation Program	W. H. Rogers, State AAA Office H. A. Patten, State Compliance Supervisor
2/2/39	40	Coatan	Timber Management Wild Life Conservation	W. J. Barker, Ass't. Extension Forester H. Miley, U. S. Forest Service
3/2/39	20	Dever	Land Use Planning Agricultural Conservation Program	L. G. Matthis, County Agent
4/6/39	48	Askins	Farm Bureau Land Use Planning	J. T. Cooper, Farm Bureau Organizer J. F. Criswell, Extension Specialist in Land Use Planning
6/1/39	24	Vanceboro	Horticulture (Ladies Night)	L. P. Watson, Extension Horticulturist
Total	242	6	8	10

Farm Bureau Federation

The Farm Bureau, with a membership of 68, has not been very active in the County this year.

A re-organization meeting was held at Groaton with only 10 attending, and J. T. Cooper, Farm Bureau Organizer, gave a short talk at the April meeting of the Farmers' Club. A membership campaign was planned for the fall.

## VI. FARM CREDITS

A sound source of credit is one of the biggest assets to a farmer since the majority of farmers have to borrow money to finance their enterprises. The subsequent paragraphs will tell a little of the organization in the County providing sources of loans for the farmers.

## 1. EMERGENCY CROP LOANS

The loans obtained from this source are of great value to small farmers without collateral for securing credit elsewhere. Many of those using this type of credit would be without finances for a crop were it not for such loans. The table below shows the history of these loans in Craven County:

TABLE NO. 8 EMERGENCY CROP LOANS IN CRAVEN COUNTY

Year	No. of Loans	Total Amount Loaned	Average Amount Loaned	No. Unpaid	Total Amount Unpaid	Percentage Unpaid	Average Amount Unpaid
1929-							
1933	941	\$121,504.52	\$129.12	91	\$6,607.21	.0095	\$72.61
1934	123	6,938.00	56.40	4	49.79 <sup>1</sup>	.007	12.45
1935	130	8,275.00	63.65	21	398.17 <sup>1</sup>	.048	18.96
1936	65	4,265.00	65.61	17	641.79	.150	37.75
1937	48	4,378.00	91.21	12	516.64	.315	43.05
1938	39	4,105.00	105.25	12	884.00	.215	73.67
1939	22	2,225.00	101.13	2	221.65 <sup>1</sup>	.099	34.70
Total	1368	151,920.52	212.34	159	9,319.16 <sup>1</sup>	.0227	108.50

\* Approximately

## 2. CRAVEN SAVINGS AND LOAN ASSOCIATION

Credit obtained through this organization is limited to members of the Craven Mutual Exchange, Inc., of which it is a part. Money is loaned over short periods of time at 6% interest.

✗ The table following shows the report for the period of July 1, 1939 through September 30, 1939.

TABLE NO. 9      CRAVEN SAVINGS AND LOAN ASSOCIATION  
 QUARTERLY REPORT  
 July 1 - September 30, 1939  
 BALANCE SHEET

<u>Assets</u>		<u>Liabilities</u>	
Loans Outstanding	\$910.84	Shares	\$916.24
Cash in Bank (Checking)	276.55	Deposits	44.73
		Reserve and Guaranty Fund	71.87
		Undivided Profits	<u>154.55</u>
<b>Total</b>	<u>1187.39</u>	<b>Total</b>	<u>1187.39</u>
 <u>Expenses</u>		 <u>Income</u>	
Bal. (Profit & Loss)	<u>\$8.00</u>	Interest Received	<u>\$8.00</u>
<b>Total</b>	<u>8.00</u>	<b>Total</b>	<u>8.00</u>

STATISTICAL REPORT

<u>Loans</u>			<u>Shares and Members</u>	
	<u>No.</u>	<u>Amount</u>		
Loans Made in Period	1	\$30.00	Paid on Shares in period	None
" Repaid " "	4	261.35	Withdrawn on Shares in	None
Loans in Force	22	910.84	period	None
Total Loaned since organization		13899.60	Total Paid on Shares since Organization . . .	\$1991.24
Total Loans Repaid		13018.76	Total withdrawn on shares since organization:	1075.00
			Total Deposits since organization	3653.32
			Total Deposits Withdrawn since organization	3608.59
			Total Members since organization	139
			Members withdrawn since organization	36
			Total Number of Members	103

### 3. FARM SECURITY ADMINISTRATION

This branch of the United States Department of Agriculture has enabled farmers to establish a footing on their farms and better their farming operations.

During the year loans were made to 54 farmers. A total of \$16,960.00 being loaned of which amount \$14,100.40 is payable in 1939. Of the total amount approximately 81% has been collected amounting to \$13,689.51 which is 97% of the amount payable in 1939. By the large percentage collected it is evidenced that the farmers appreciate the loans.

### 4. NATIONAL FARM LOAN ASSOCIATION

For some years an office of this organization has been located in New Bern to conduct the business of the agency in this and surrounding Counties.

For the year 1939, there were 22 loans made in Craven County of the National Farm Loan and Land Bank Commissioner types of loan. These loans amounted to \$24,800.00.

### 5. NEW BERN PRODUCTION CREDIT ASSOCIATION

The requirements for obtaining a loan are not so strict, therefore it does not burden the borrowers to make payments on the loans. This being true, more and more farmers are turning to this Association to borrow money.

Loans made in this County for a period of four years are shown below.

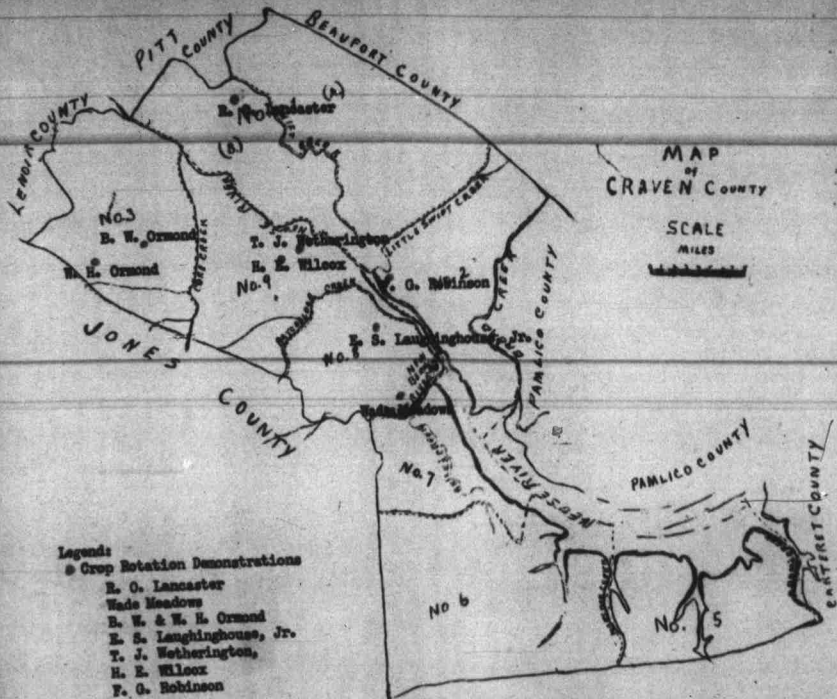
TABLE NO. 10 PRODUCTION CREDIT LOANS  
(Thru 11-30-39)

Year	Number of loans made	Amount Loaned
1936	186	\$71,408.00
1937	187	88,446.00
1938	172	95,768.00
1939	174	96,374.00

Total amount collected on Loans made in Craven County to -  
12-5-39 . . . . . \$88,116.00  
Total amount of Loans outstanding in Craven County as of -  
12-5-39 . . . . . 8,256.00

Loans outstanding include Dairy loans which are payable in monthly installments, not yet due, and loans already closed for 1940 farming operations including loans for purchases of livestock etc.

Of the loans outstanding \$4,146.42 is the amount actually due to be collected on 1939 farming operations. Part of this will be re-newed and part repaid.



## VII. AGRONOMY

Since Agronomy is the phase of Extension Activity dealing with the economical production of feed and cash crops, quite a bit of stress has been laid along this line of work. The summary following gives the activities followed in Agronomy.

### Crop Rotations

Crop Rotation schedules were followed on seven farms in the County this year as follows: (1) E. S. Laughinghouse, Jr., Bellair (2) H. E. Wilcox, Spring Garden (3) T. J. Wetherington, Jasper (4) W. H. and E. W. Ormond, Ft. Barnwell (5) R. O. Lancaster, Maple Cypress (6) F. G. Robinson, Askins (7) Wade Meadows, Trent Road (new).

Crop statistics for the demonstrations are shown in the table below:

Table No. 11 \*

Crop	Acres Planted	Total Yield	Average Yield Per Acre	Market Value	Av. return per acre
Tobacco	32.8	30,013 $\frac{1}{2}$	915.0 $\frac{1}{2}$	\$4,577.40	\$139.55
Corn	78.0	2,805 bu.	36.0 bu.	(or 15.0 bu. above the county average of 21.0 bu. per acre)	
Rye	22.0	For grazing and turning under			
Soybeans	3.0	For seed			
Soybeans	9.0	For hay			
Cowpeas	14.5	For hay			
Lespedeza	4.0	For hay			
Oats	9.0	For hay			
Field Peas	6.0	For grazing			
Peanuts	4.0	For grazing			

\* This is for 4 rotations.

F. G. Robinson, Askins, following a wonderful growth of Austrian Winter Peas with corn produced 50 bushels to the acre on 6 acres. He made the following statement: "I have never produced as much corn to the acre before on this piece of land, and I am going to see to it that my corn land is planted to a winter legume each year."

### Farm and Home Tour

Although the attendance at the County Farm and Home Tour was small, (12), those attending enjoyed it greatly. L. T. Weeks, Extension Tobacco Specialist, attended from State College. A copy of the places visited and operations observed will be found in Table 12

### Soil Analysis

There was quite a demand during the year for taking soil samples to be sent to State College for analysis and subsequent fertilizer and lime recommendations, thirty samples were sent representing 63 acres and 15 farms.



TABLE NO. 12



# CRAVEN COUNTY FARM TOUR

## AUGUST 15, 1939

<u>TIME</u>	<u>PLACE</u>	<u>DEMONSTRATION</u>	<u>MILEAGE</u>
1:30 P.M.	Meet New Bern (Post Office)		
1:40 "	Leave New Bern		0
1:50 "	Arrive M. L. LUPTON	- Application of Lime to Corn VS No application of Lime to Corn	3
1:55 "	Leave M. L. Lupton		
2:10 "	Arrive C. S. Sawyer	- Rate-per-acre Test of Soda applied to Corn	5
2:20 "	Leave C. S. Sawyer		
2:30 "	Arrive W. S. Richardson	- Corn and Velvet Beans; Mares, colts and stallions	5
2:50 "	Leave W. S. Richardson		
3:05 "	Arrive Herbert Boaman	- Yard, Lawn (No stop)	7
3:10 "	Arrive T.J.Wotherington	- Corn Variety Test	1
3:20 "	Leave T.J.Wotherington		
3:40 "	Arrive Mrs. J.F.Braxton	- Yard, kitchen, back Porch	11
3:50 "	Leave Mrs. J.F.Braxton		
4:05 "	Arrive R. O. Lancaster	- Mares available	5
4:15 "	Leave R. O. Lancaster		
4:25 "	Arrive Mrs. R.H.Bland	- Yard, Lawn	4
4:30 "	Leave Mrs. R.H.Bland		
4:40 "	Arrive Mrs. Donald Wotherington	- Walk, Drive, Yard and Kitchen	6
4:55 "	Leave Mrs. D.Wotherington		
5:15 "	Arrive G. A. Whitford	- Beef Cattle	10
5:30 "	Leave G. A. Whitford		
5:40 "	Arrive G. W. Adams	- Corn-Tobacco-Logum Rotation	5

EAT WATERMELONS

Corn Variety Test

Two corn variety tests were conducted this year, one each with T. J. Wetherington, Jasper, and Manly White, Jr., Cove City.

Fourteen varieties were tested on each plot, 13 being furnished by E. C. Blair, Extension Agronomist, and one being a local variety. Tables 13 and 14 show the results obtained and Table 15 the method of carrying out the demonstration.

Table No. 13 Results of Corn Variety Tests

T. J. Wetherington

Variety	Pounds ear: corn per plot	Pounds Shelled corn per plot	Bushels shelled Corn per acre
1. Lathams' Double	146	124	44.0
2. Biggs Two-Ear	121	102	36.0
3. Highland Horsetooth	107	92	32.0
4. Coeke's Prolific	98	84	30.0
5. Boscher's Special	107	90	32.0
6. Hybrid 7	97	84	30.0
7. Golden Makequick	90	80	28.0
8. Local	69	60	22.0
9. Jarvis Prolific	106	90	32.0
10. Indian Chief	113	95	34.0
11. Mallard's Yellow	101	86	30.0
12. Wood's Hybrid Golden Prolific	111	95	32.0
13. Wood's Hybrid Yellow Dent	106	86	30.0
14. Wood's Hybrid White Dent	114	97	34.0

Table No. 14

Manly White, Jr.

1. Lathams' Double	192	168	60
2. Biggs Two-Ear	204	172	60

3. Highland Horsetooth	184	149	52
4. Cooke's Prolific	186	160	56
5. Rooster's Special	193	163	58
6. Hybrid 7	159	139	48
7. Golden Makequick	168	150	52
8. Leoni (Yellow)	185	156	54
9. Jarvis Prolific	165	141	50
10. Indian Chief	140	119	42
11. Mallard's Yellow	165	150	52
12. Wood's Hybrid Golden Prolific	179	151	52
13. Wood's Hybrid Yellow Dent	149	130	46
14. Wood's Hybrid White Dent	187	156	54

#### Soda Test on Corn

Two tests were conducted to determine the most profitable rate-per-acre soda application for corn. F. G. Robinson, Askins, and C. A. Sawyer, Neuse Road conducted the tests with the results shown below.

Table No. 15      Results of Soda Test on Corn

Demonstrator	100 Pounds per acre	200 pounds per acre	None	300 pounds per acre
F. G. Robinson,				
Askins	16.4 bu.	23.4 bu.	15.0 bu.	28.5 bu.
C. A. Sawyer,				
New Bern, R-2	21 "	30 "	20 "	35 "

\* Corn followed Austrian Winter Peas

Basing corn at \$0.75 per bushel and soda at \$1.73 per bag, and using the figures in the above table, we find that the most economical application is 200 pounds of soda per acre.

#### Winter Legume - Corn Demonstrations

A demonstration was conducted with G. S. Cook, Spring Garden, comparing corn following Austrian Winter Peas fertilized vs. peas not fertilized vs. no cover crop. Results are tabulated below, (see next page.)

## RECORD OF YIELDS, ETC.

	Green weight cover crop per acre	Yield per acre corn, cotton, or peanuts
Plot 1 - Fertilized in spring		32 bu.
Plot 2 - Fertilized in spring	182#	32 "
Plot 3 - Fertilized in fall	484#	24 "

Note: This was not exactly a fair test due to difference in type of land and elevation.

A demonstration comparing corn following vetch turned under, vetch cut for hay, and no vetch, conducted with R. M. Kornegay, Rhen, was not completed due to a severe wind and rain storm which destroyed the corn. Mr. Kornegay stated however, that he believed the best corn plot was that of the corn following vetch turned.

#### Winter Cover Crops and Soil Improvement

The acreage of winter cover crops turned and summer legumes turned and left on the land are shown in Table 16. These figures were obtained from farm measurements under the 1939 Agricultural Conservation Program. There was a great deal of interest in the planting of cover crops as evidenced by office calls concerning information relative to inoculation of legumes.

A circular letter was sent to all farmers giving full information on the use of cover crops.

Mrs. O. F. Glenn, Trent Road, interested in building up her land, planted five acres of crotalaria this spring and was very well pleased.

#### Good Seed

N. L. McLawhorn, Spring Garden, purchased five bushels of certified Cokers' ~~cut~~ and used these on seven acres of land, getting good results.

He also planted 3 bushels of a certified wheat.

TABLE NO. 15a

DIRECTIONS FOR CORN VARIETY DEMONSTRATIONS  
COASTAL PLAIN

Select a piece of land uniform as to type of soil, fertility, slope, and drainage. If possible, have the land adjoining a public road. Measure off a field 220 by 136 feet, as per diagram, setting good stakes at the corners. The total size of the field is 0.7 acre.

Beginning at the first two stakes run 56 rows lengthwise of the field. Each row should be just 4 feet wide and 4 to 6 inches deep. The 56th row should coincide with the last two stakes. Then run two guard rows outside each pair of stakes.

Apply 300 pounds 4-8-4 fertilizer to the 56 rows. Run a harrow along the rows to fill them up level. Apply 75 pounds Nitrate of Soda to the plots when corn is 2 feet high.

Plant four rows of each variety, as shown in diagram. Each four rows make 1/20 acre. Plant the corn level, dropping one seed every 12 inches. Plant with a corn planter or by hand. A corn plate that drops corn twelve inches apart is good. When corn has a good start, thin to 24 inches in the row.

Begin cultivation when the corn is three or four inches high. Three cultivations are usually enough, but more should be given if necessary to control grass and weeds.

DO NOT PULL FODDER OR CUT TOPS FROM THESE PLOTS

When the corn is thoroughly ripe, pull the ears from each plot separately, remove the shucks and weigh in the ear. Then shell each plot separately, and weigh the shelled corn. Calculate yield per acre, allowing 56 pounds of shelled corn per bushel.

UNITED STATES DEPARTMENT OF AGRICULTURE  
 AGRICULTURAL ADJUSTMENT ADMINISTRATION

New Bern, N. C.  
 October 20, 1939

To Craven County Farmers:

"The farmer is no richer than the land he farms." You have heard this expression. Everything possible should be done to improve the land on which you farm. One way of doing this is by planting Winter Legumes.

The time to plant winter cover crops has arrived again. We could tell you of many instances where the planting of a cover crop in the winter has resulted in increased corn yields of from 5 to 10 bushels. Tests have shown that corn that followed vetch yielded 37 bushels more than corn that followed rye.

Those of you who will receive a payment under the Soil Conservation Program can sign part of your payment over to a Seed Dealer and obtain your seed, the dealer receiving his money when you receive yours; or you can borrow money from the Farm Security Administration on the strength of your Soil Conservation Payment.

Enclosed you will find information relative to the seeding of Winter Legumes. BE SURE THAT THE SEED ARE WELL INOCULATED. We will be glad to help you with the inoculation. To get credit on this year's program and to get best results, the seed should be sown by October 31.

Our fields should be green with vegetation during the winter, and we are counting on you to do your part.

LET'S HAVE GREEN FIELDS THIS WINTER BY USING WINTER LEGUMES.

"ASK THE MAN WHO PLANTS THEM"

Yours very truly,

*L. G. Matthis*

L. G. MATTHIS, County Agent

*P. M. Cox*

P. M. COX, Ass't. County Agent

TABLE NO. 16

## WINTER COVER CROPS

## DATE AND RATE OF SEEDING FERTILIZATION AND INOCULATION.

Winter Cover Crop	Best Dates for Seeding			Seed per Acre	Fertiliser
	Coastal Plains	Piedmont	Mountain		
Austrian Pea	Sept. 1-Oct. 30	Sept. 1-Oct. 15	Aug. 15-Oct. 15	20 to 30 lbs.	200-500 2-3-4
Alfalfa Clover	Sept. 1-Oct. 30	Sept. 1-Oct. 15	Aug. 15-Oct. 15	10 - 15 lbs.	Do
Burr Clover	Aug. 1-Oct. 15	Aug. 1-Oct. 15	Not recommended	4 bu. Burr or 15-20 lbs. seed	None 200-500
Crimson Clover	Sept. 1-Oct. 30	Sept. 1-Oct. 15	Sept. 1-Oct. 15	15 - 20 lbs.	2-3-4
Red Clover	Sept. 1-Nov. 15	Sept. 1-Oct. 15	Aug. 15-Oct. 15	5 - 10 lbs.	Do
Vetch	Sept. 1-Oct. 30	Sept. 1-Oct. 20	Sept. 1-Oct. 20	20 - 25 lbs.	Do 200-500
Barley	Sept. 1-Nov. 15	Sept. 1-Oct. 30	Aug. 15-Nov. 1	56 - 70 lbs.	2-10-4
Oats	Sept. 15-Nov. 1	Sept. 15-Nov. 1	Aug. 30-Nov. 1	64 - 96 lbs.	Do
Rye	Sept. 15-Nov. 1	Sept. 15-Nov. 1	Sept. 1-Nov. 1	56 - 70 lbs.	Do 200-400
Wheat	Oct. 20-Nov. 15	Oct. 15-Nov. 10	Oct. 1-Nov. 1	75 - 90 lbs.	4-10-4

\*Oats may be seeded in cotton during August or September.

**Note:**

Any of the above crops may be seeded in row crops by using a narrow seed drill or by broadcasting and using a narrow spike tooth harrow, broad sweep or cultivator to cover seed between rows. See Extension Circular 235, "Facing Farm Facts."

**Legume Notes.**

If the soil has not been limed it should be tested for acidity and the amount of lime needed should be added. If the legume that is to be planted has not been grown on the soil it should be inoculated for the legume to be grown.

Legumes, when properly inoculated will gather nitrogen from the air and add it to the soil.

**SOIL INOCULATION**

1. Inoculated soil or commercial inoculation culture may be used for inoculation, or the two may be used together. It usually pays to use both, especially on light soils.

## VIII. AGRICULTURAL ENGINEERING

In our work in Agricultural Engineering we have tried to help the farmers improve their living in the home by installing farm conveniences, repairing homes, machinery, and outbuildings and also improving land.

E. C. Mellvean, Bellair, conducted a terracing demonstration on his farm, constructing approximately 1600 feet of terrace. He states that he has seen a vast improvement in the field since terracing.

Mr. H. M. Ellis, Extension Agricultural Engineer, conducted a demonstration at the home of T. J. Wetherington, Jasper, on the installation of the Simple Home Water System. Six water systems were installed during the year.

Several farmers used the burnt cylinder oil-red mortar coloring mixture to paint their barns and all report they are pleased with the results obtained.

Efforts have been made to secure a power line in a community about two miles from Ft. Barnwell but as yet no results have been obtained.

From a circular letter sent to all farmers we find the following work completed:

- 2 refrigerators installed
- 15 other home appliances installed
- 10 homes put in electricity
- 124 machines were repaired with a saving of \$2020.00
- 3 sewage systems installed
- 3 heating systems installed



## IX. BEES

Three farmers were aided with their bee problems during the year; W. J. Wynne, Havelock, E. W. Talton, Croatan, and T. L. Harrison, Trent Road.

A transferring demonstration was conducted by G. L. Sams, Extension Bee Specialist, at Mr. Talton's, colonies being put in new hives. Bobby Potter, a six year old boy of Croatan was given a hive of bees by his father and is very interested in handling them. He told L. G. Matthis, County Agent: "I want to go to school to learn to read so I can read up on the care and handling of bees."

Two Northern beekeepers bring their bees to the County each winter for winter keeping. The bees get the first honey flow here and then the first flow in the North, thus doubling on their production.

**I. DAIRYING**

Although on every farm in Craven County there is not a cow, there are enough cows in the County to well supply the milk needs of its farmers.

Ten dairy farmers in the County furnish milk to the local milk plant. Three of these dairymen are using crimson clover as a winter grazing crop, and another is experimenting with Italian Rye Grass.

I accompanied four farmers to Invershiel Farm of Hugh McRae, New Hanover County, to observe the grazing system used on this dairy farm. The farmers were greatly impressed with the results obtained from the use of grazing crops and the system used there is being used in Craven County on a smaller scale.

Mr. A. C. Kisery, Extension Dairying Specialist, met with the farmers furnishing milk to the local milk plant, at the request of the milk plant. He discussed the economical production of milk and the use of temporary pastures.

## XI. BEEF CATTLE, SHEEP, AND WORKSTOCK

### Beef Cattle

Although the production of beef cattle is not a major enterprise in Craven County, several farmers engage in it as an added source of income.

E. A. Whitford, Ermaul, has a large herd which he runs in his large acreage of woodland on grass and reed pasture. He has used a good Hereford bull on his native stock and is reaching the point that he is raising a good beef type animal. L. F. Williams, Thurman, is also using a good bull on native cows and producing good calves. He has recently purchased a registered Aberdeen-Angus cow and bull calf. He plans to start using the bull next year.

Several other farmers, owning large tracts of woods, are crossing native cows with beef bulls on a small scale and "growing", rather "going" into beef production.

### Sheep

There are 10 farmers in the County owning a total of 100 sheep. We have worked with some of these, giving them directions for stomach worm treatment and helping them to plan pastures

A cooperative rail shipment of lambs, and some old sheep, was made from New Bern June 6, 1939. The animals came from the five county section around New Bern (Jones, Onalow, Carteret, Pamlico, Craven). Although the car was far short of full, those farmers shipping were well pleased with the results. Table shows the financial statement of the shipment, sold at Jersey City, N. J.

L. I. Case, Extension Beef Cattle and Sheep Specialist, met with the Extension Agents from Craven, Carteret, Jones, Onalow, and Pamlico Counties in May to discuss Beef Cattle and Sheep Production in these counties. Mr. Case also did the grading for the cooperative lamb shipment.

### Brood Mares

In view of the excessively high price that farmers of Craven County have been paying for mules as compared to the price they have been receiving for their produce, and the prospect for increased prices in the future, it was felt by the Agents that the farmers should be encouraged to produce their own workstock.

While they are being purchased at the present time merely as a part of the Live-At-Home Program rather than a commercial project it is felt that there will be a prospect for extra cash coming from workstock produced in excess of that needed on the farms. As for pasturage, there is an abundance of land that can be made into excellent pasturage which will be very profitable not only for raising colts but as a source of good grazing for mature work-stock as well as family cows.

The Agents started working on this in September and up to the present time 30 brood mares have been placed with farmers in Craven County, 20 of these being placed directly by the Agents and 10 more indirectly as a result of the interest aroused.

These mares were selected for size and draft type, keeping in mind the type of animal needed to give the most satisfactory service to the farmer and to produce the best colts. A part of these mares have already been bred to jacks in nearby counties, and the remainder will be bred to a jack that will be purchased cooperatively in the county through the Farm Security Administration at an early date.

All farmers who have purchased these mares are well pleased with them, although most of them were three or four years old and unbroken.

Table No. 17

## SHIPMENT OF LAMBS

Made from New Born on June 6, 1939

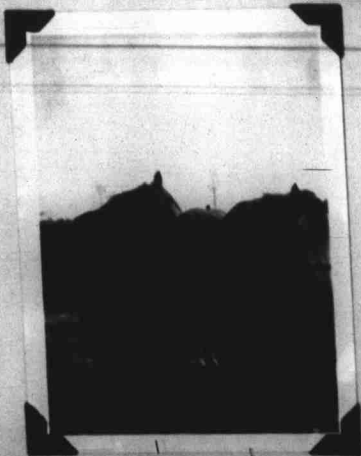
<u>SOLD TO</u>	<u>NO. HEAD</u>	<u>DESCRIPTION</u>	<u>WEIGHT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
Herbat Hock	10	Red	740	\$11.50	\$85.10
"	2	Red bucks	180	10.50	18.90
"	5	yellow	330	10.50	34.65
"	2	yellow bucks	150	9.50	14.25
"	8	Mt #4	395	8.00	31.60
"	4	Mt 44	165	7.00	11.55
"	3	Wethers	295	7.00	20.65
"	4	Red "O" shld.	240	4.00	9.60
"	2	Green "88"			
		back	230	3.00	6.90
"	6	Red "8" back	490	3.00	14.70
"	4	Red "000"	370	4.00	14.80
"	4	#40 Bucks	485	3.00	14.55
	<u>54</u>		<u>4070</u>		<u>\$277.25</u>
		Commission	\$8.10		
		Yardage)	6.66		
		Feed )			
Pro Rate \$2.00		Freight	94.93		
Sinking 2.03					
Fund			<u>4.03</u>		
					<u>113.72</u>
				Net Proceeds	<u>\$163.53</u>

These mares belong to George  
E. Grady, Tuscarora



Frank Humphrey, Washington  
Fork, thinks the world of  
his mare.

These two mottled greys were purchased by W. F. West, Neuse Road. He expects to purchase a jack for use in the County. -----



L. R. Sermons, Wintergreen, says his mares work very well.



E. F. Ipock, Asbury, likes his roan and grey.



F. H. Whitehurst, Broad Creek, is proud of this  
mare.



### XIII. ENTOMOLOGY

Insects again took their yearly toll of crops in Craven County in 1939. As in 1938, a mild winter failed to destroy the pests and they came out in abundance to prey on crops.

Assistance was given to F. W. Stewart, Tuscarora, in poisoning grasshoppers in one of his tobacco fields. The wheat bran - paris green - molasses - oranges mixture was used and worked very effectively.

J. G. Ipeck, Bellair, constructed an insect tight tobacco plant bed which resulted in decreased insect damage, as compared to the rest of his beds.

Quite a bit of trouble was experienced by several owners of pecan trees in the form of pecans dropping off the tree before ripening. Most of the owners have made plans to carry out a complete spray program for next year.

An attack of army worms seriously damaged a goodly portion of the soybean hay crop, and also the seed soybean crop.

In addition the following was accomplished:

- 40 farmers were supplied spray schedules for apples and peaches
- 600 farmers were furnished instructions for spraying and dusting tobacco and truck crops for insect control
- 30 farmers rotated crops to keep down continuous insect attacks

The production of cotton has almost ceased in the county due to boll weevil damage. We intend to wage an intensive campaign next year against this pest, by using the sapping method.

### XIII. FORESTRY

Farmers in Craven County are becoming more conscious of the fact that their timber tracts need to be systematically cut and thinned.

#### Thinning and Selective Cutting

To demonstrate correct thinning, W. J. Barker, Assistant Extension Forester, conducted two thinning demonstrations in the County. One was held at the farm of John Dawson, Jasper, with the Vocational Agriculture class at Jasper assisting. From a one acre plot, five cords of wood were taken and a large number of trees left on the land. Mr. Gus Spear, Epsworth, thinned out a 0.1 acre plot cutting the equivalent of four cords per acre with 330 trees left on the land.

Mr. J. J. Atkinson, Ashbury, was given information relative to selective cutting of saw timber.

#### Forest Plantings

A circular letter was sent to all farmers urging them to plant eroded and idle land to forest trees. The letter brought many inquiries but only a thousand trees were planted. Mr. J. W. Duncan, Ft. Barnwell, planted 1000 Black Locust seedlings to be used for fence posts when growth permits. The trees have made a tremendous growth with a 75% survival.

For the first time, 4-H Club members made plantings of Black Walnut. Eight members planted a total of 225 trees as shown in table

Forest tree identification was given as a course in the summer 4-H camp, taught by the Assistant Extension Forester.

YEAR 1939

## REPORT

GRAVEN COUNTY

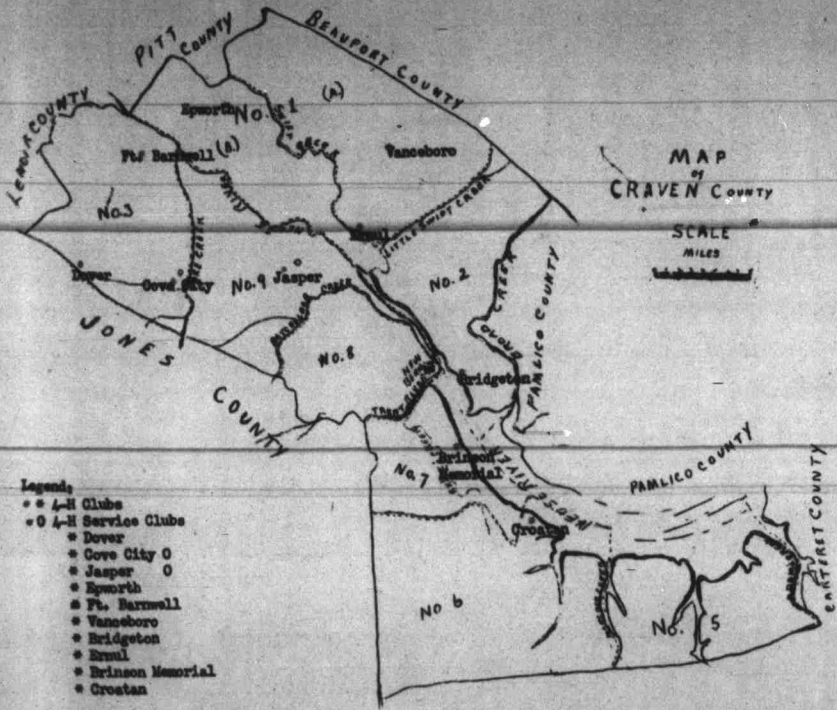
## FOREST PLANTING DEMONSTRATIONS

No.	Name of Farmer	Address	Soil Type	*Conditions of Planting Site	Acres Planted	Species of Trees	No. of Trees	% of Survival
			Sandy loam	Weeds	1	'Bl. Locust'	1,000	75
1	J. W. Duncan	Dover, R-1						
				TOTALS OR AVERAGES	1		1,000	75
2	Ernest Connor	New Bern, R-4	Sandy loam	Weeds		'Bl. Walnut'	25	72
3	Durwood Rice	New Bern, R-1	Sandy loam	Weeds		'Bl. Walnut'	25	96
4	Floyd Stewart	New Bern, R-2	Sandy loam	Weeds		'Bl. Walnut'	25	60
5	Aubrey Stewart	New Bern, R-2	Sandy loam	Weeds		'Bl. Walnut'	25	52
6	Leonard Ray Avery	Dover	Sandy loam	Weeds		'Bl. Walnut'	25	72
7	Howard Reel	Bridgeton	Sandy loam	Dry		'Bl. Walnut'	50	84
8	Thomas Hadder	New Bern, R-4	Sandy loam	Weeds		'Bl. Walnut'	25	76
9	Howard Gaskins	New Bern, R-4	Sandy loam	Sod		'Bl. Walnut'	25	92
				TOTALS OR AVERAGES			225	76.4

\*Condition of planting site should be indicated  
 "Gullied", "Sheet erosion", "Sedge", "Sod", "Dry", "Wet", etc.

\*\*Survival counts should be made during September.

SIGNED: P. H. COK  
 Ass't. County Agent.



MAP  
OF  
CRAVEN COUNTY

SCALE  
MILES  
[Scale bar showing 0 to 10 miles]

Legends:

- • 4-H Clubs
- O 4-H Service Clubs
- Dover
- Cove City O
- Jasper O
- Sporth
- Ft. Barnwell
- Vaneboro
- Bridgeton
- Erml
- Brinson Memorial
- Croatan

TWENTY-FIVE YEARS OF 4-H CLUB WORK

IN

GRAVEN COUNTY, NORTH CAROLINA

One of the most important phases of Extension Work is the work carried on with the 4-H clubs. The boys and girls on the farm will grow into farmers and farm homemakers some day so why not teach them the best practices in farming and homemaking?

The first record of 4-H Club Work among the boys in the County was that done by County Agent J. G. Lawton from 1920-23. Six clubs were organized in 1920 and by 1923, 13 pig and poultry clubs were "going strong." There were no colored Extension Workers in the County at that time so a colored pig club was organized at Hades. G. G. Kiripatriek did some Club work during this period, getting the New Bern merchants interested in financing Club projects. Club members won prizes on hogs at the State Fair and at Pinehurst.

G. B. Farris, County Agent, Carried on the work in 1924 and in 1925 W. H. Shearin, Assistant Agent took charge. There were 13 clubs with 131 members in 1935. The summer club encampment was held at Neuse Forest on the Neuse River in the County. In the State Judging contest at the State Fair in Raleigh Craven County had the Best Individual Judge and man team honors.

From 1926-30 there was an Assistant Agent only for three months of '27, the Agent and Home agent handling the program. In '26 there were 17 clubs with 140 members. One of the club boys was high scorer on Individual Judging at the National Livestock Show. Raymond Watson, a Craven County 4-H boy served as Assistant Agent for three months of 1927 and during that year there were nine clubs with 149 members enrolled mainly in livestock projects. 62 members of 185 attended camp in '28. There were 6 clubs organized in '29 with work conducted in corn, Poultry, Swine, and Calves. The club encampment that year was held in the form of a 2 day course on the Coast Guard Cutter Pamlico stationed in New Bern. One night was spent in a hotel in Beaufort County. The Cruise was greatly enjoyed.

Raymond Watson returned as Assistant Agent for 1930 and 13 clubs were formed that year. In '31 there were 14 clubs with an enrollment of 328. No encampment was held due to the absence of the County Agent. 10 club members attended the 4-H Short Course held at State College, Raleigh. Another outing was held on the Cutter Pamlico and delegates were sent to the Short Course in 1932. 8 clubs were organized in 1933 with 296 enrolled. 60 members attended the Neuse Forest Camp.

Praise is given Mrs. E. G. Willis, Home Agent who carried on the Club work until L. G. Matthis was appointed Assistant Agent in September '34. 11 clubs were organized in 1934 and one 4-H Service Club at Jasper. Corn exhibits were made at the County Fair, the boys winning five premiums.

M. A. Morgan became Assistant Agent in July 1935 and carried on the club work in cooperation with the Home Agent. 13 clubs with 275 boys enrolled were given help in '35. 173 boys completed projects and 22 corn exhibits were made at the County Fair. No camp was held due to an epidemic of Infantile Paralysis. Achievement Day was held at Brinson Memorial School.

F. M. Cox, Assistant Agent, has handled the boys Club work since July 1936. 13 clubs were engaged in club work in '36 with 79 of 164 boys enrolled completing projects in corn, poultry, swine, gardens, calves, and tobacco. A joint camp was held with Pamlico County at Neuse Forest. Nature study for the boys and Handicraft for the girls was taught. 80 members attended. In 1937 10 junior clubs were organized and one Service Club, making two Service Clubs in the County. At Jasper and Cove City. A seed judging team entered the crops Judging Contest at Goldsboro and made a fair showing. 174 boys were enrolled with 90 completing. 1938 saw 11 junior clubs and 3 Service Clubs organized, adding another Service Club at Rhem. A weekend Service Club camp was held in July at Neuse Forest with Pamlico County. Six of the Service Club members attended the first Older Youth Conference at State College. Earl White represented the 12th District Federation of 4-H Clubs in the Health Contest to pick a representative for the Southeastern Extension District. He was not picked in '38. Camp was again held with Pamlico County at Neuse Forest with 52 attending. 136 boys were enrolled with 94 completing. Manly White, Jr. of the Cove City Service Club was elected Vice-President of the Older Youth Conference, and President of the 12th District Federation of 4-H Clubs.

There were 10 Junior Clubs in 1939 and two Service Clubs. 289 members were enrolled in the Junior Clubs and 67 in the Service Clubs. 91 boys completed projects out of 136 enrolled. Three members attended the 4-H Short Course and a few attended the Older Youth Conference. Mary Gaskins attended the State Wildlife Conservation Conference at Hoffman, N. C. Earl White represented the Southeastern Extension District in the State 4-H Health Contest. Manly White was one of the two Club members from North Carolina to attend the meeting of the Country Life Conference at State College, Pa. Corn, tobacco, and garden champions were selected. A 4-H Handbook, "The 4-H Clubber of Craven County" was distributed to each member. Achievement Day was held at Brinson Memorial School.

#### CONCLUSION

4-H Club work has made progress since its beginning in earnest in 1920. Many honors have been won by the Club members and the club motto—To make the Best Better—has been instilled into them and has shown in their work.

However, the crying need is for more completions and this phase needs to be pushed in the coming years. More cooperation on the part of the parents is needed.

4-H Club Work will go forward during the coming years.

#### XIV. 4-H Club Work

##### Introduction

4-H Club work in Craven County is conducted jointly by the Home Agent and Assistant County Agent. There is an organized Junior Club in every graded school in the County, and there are two Older Youth Groups. Members were admitted to the clubs in the schools from age 10 up; the older and younger boys and girls meeting together. There was one less club this year due to discontinuance of one school. However, these boys and girls maintained their membership in the school to which they were transferred.

##### Organization

1. In Craven County there are 10 organized 4-H Clubs with a combined enrollment of 267, 136 boys and 133 girls.
2. Two Service Clubs are functioning in the County, known as the Jasper and Cove City Clubs. The Cove City Club has an enrollment of 37, and the Jasper Club, which has members from two communities, has 30 on roll.
3. Every Club boy and girl is a member of the Craven County Federation of 4-H Clubs. This organization had one meeting, Federation Day in the Spring.

Local Achievement Days were held at the ten 4-H Clubs during the month. Around 1400 people attended. Programs were given by the members, and the King and Queen of Health from each school were crowned.

Craven County Federation of 4-H Clubs is a member of the State Federation and was represented at Short Course.

4. The 4-H County Council is the governing group for the County 4-H Clubs. During 1939, Manly White, Jr., Cove City, and Louise Hatcher, Riverdale, served as President and Secretary respectively, being elected at the reorganization meeting in January.

Membership in the Council is composed of officers of the 4-H and Service Clubs, shown in Table.

The Craven County Council held only one meeting during the year. At this time, programs for the year were worked out for the 4-H clubs and programs through July worked out for the Service Clubs.

A 4-H handbook "The 4-H Clubber of Craven County" was given to each club member. This handbook contained programs for the year, officers of the clubs, and other information necessary for carrying on club work in the County.

##### Monthly Programs

###### 1. Joint Programs

A Christmas Program and a short skit "The 4-H's" were presented by the club members. As a result of the skit, there were many appli-

entions for enrollment in the clubs. (This type of program will be repeated at the 1939 reorganization meetings.)

### Projects

Possibly the greatest problem in club work among the boys is completion of projects. Several means to accomplish completions have been tried and progress is being made. Ninety-four members out of 136 enrolled completed projects.

Projects were conducted in the following works: Forestry, Poultry, Swine, Dairying, Home Gardens, Tobacco, and Corn.

Fifteen members were enrolled with tobacco as a project, 10 completing averaging a 8000<sup>0</sup> yield per acre. Neal Simmons, of the Croatan Club, led the other members making \$136.78 net on his 1 acre.

Eight club members planted 225 black walnut seedlings. This is the first time club members have planted seedlings as a project in the County. A survival count showed 76.4% survival.

The project in corn seems to be the most popular with the boys with 44 enrolled and 42 completing. An average of 30 bushels per acre was produced by the members, this being above the county average. Ernest Connor, of the Croatan Club, was the County Corn Champion, producing 60 bushels per acre using Lathan's Double variety. He realized a profit from his 1 acre of \$11.86.

Twelve members were enrolled in the Home Garden project with 10 completing. Hal Humphrey of the Jasper Club led the members enrolled in this project with a profit of \$8.00 from his garden.

Members enrolled in the Swine project numbered 41 with 24 completing raising 36 hogs.

Five members enrolled in the Calf Club and all five raised their calves, but records were not complete enough to declare a winner in this project.

In the Poultry project, 11 members completed their project out of 21 enrolled with 750 birds involved.

All effort possible will be put forth to increase percentage of completions. The plan will be used whereby the Agent will check on the project books each month to be sure the members are keeping their project up to date.



### The Health Program

The Health Program for the County included the examination of each club member by the Agents at the beginning of the year and by the County Health officers near the end of school. Three hundred and twenty members were examined.

At the Spring Federation, a health pageant, "A Health Wedding", was presented. The King and Queen of Health for each club was crowned at the club Achievement Day in April. Eleven health programs were presented.

One of the club boys said that he was waiting until he shed all of his first teeth before he brushed the, but promised to start brushing if it didn't hurt. Another said he was afraid he would brush the enamel off.

### Federation Days

The Annual County 4-H Federation Day was held at Brinson Memorial School with 80 attending. Manly White, Jr., President of 4-H County Council presided. The Meaning of the 4-H's was dramatized by the Croatan Club, who won the attendance gravel for the 6th consecutive year for having 100% present. Miss Mamie R. Miller, County 4-H Leader, brought greetings from the Home Demonstration Clubs. A team demonstration was given by two members of the Kruak Club. Daisy Dell Purifoy of Bridgeton, and Earl White of Dover schools, were crowned County Health Champions in a Health Wedding.

Forty-eight members attended the District 4-H Federation meeting at Atlantic Beach in June.

### Honors Won

Earl White, Cove City, was selected to represent the Southeastern Extension District in the State 4-H Health Contest held at State College during 4-H Short Course. He lost out in the finals.

Mary Gaskins, Bridgeton, represented the County at the State Wildlife Conservation Camp at Hoffman, N. C.

Manly White, Jr., Cove City Service Club, was one of two North Carolina boys attending the Country Life Association meeting at State College, Pennsylvania. He is also President of the 12th District Service Clubs.

### Recreation

A county-wide recreational meeting was held at the Jasper Clubhouse in February. This was for the older boys and girls.

The Jasper and Cove City Service Clubs held a recreational get-together in May at the Croatan Recreational Area. Games, songs and swimming were enjoyed; the meeting closed with a winaer roast.

The Cove City Service Club entertained the Jasper Service Club with a recreational meeting at Cove City.

### Special Activities

Each 4-H Club presented a program before the Parent-Teachers Association of their respective schools.

One club participated in the church service in that community on "4-H Church Sunday".

### Elder Youth Groups

In Craven County there are two organized Elder Youth Groups known as the Jasper and Cove City 4-H Service Club. The combined enrollment of the two clubs is 67. Each club meets once a month at night, the Jasper club meeting at members' homes and the Cove City group at the Cove City school.

During the year, the following programs were presented:

Cove City	Jasper
Wanda the Wall Flower Recreational Meeting to which Jasper went, 45 present Pictures on Forestry	Recreation Play--Family Relationships  Advantages of Farm Life-- L. G. Matthis
It Pays to Know How--Directed by Pres. The Golden Rule--R. L. Pugh Vesper Service (Nature Speaks) Advantages of Farm Life--L. G. Matthis Turret Captain Ralph C. Harrison showed moving pictures of Navy life and talked on that subject.	Safety Driving--Roy J. Hart Korea--Dr. William Hollister Vesper Service (Nature Speaks) The World's Fair

### Camp

The Annual Pamlico-Craven summer 4-H Camp was held at Neuse Forest, Craven County, August 8-14 with 57 club members in attendance.

Miss Eleanor Jones, New Bern, instructed the girls in Handicraft, making articles of pine straw and spatter-paint covers for programs. W. J. Barker, Assistant Extension Forester, was in attendance two days, teaching nature study and Wild Life Conservation. The Extension Agents from the two counties were in charge of the camp.

Recreation and singing were enjoyed each night and swimming three times a day. All the club members seemed to enjoy the camp and expressed desires to return next year.

In June, thirty-nine Service Club members from Craven, Carteret, and Pamlico Counties enjoyed a joint week-end camp at White Lake. No definite program was followed, the members enjoying a rest and engaging in recreation. The three Home Agents, Pamlico Farm Agent, and Craven Assistant Agent attended also. This camp is to be made a yearly affair.

State Short Course

Two boys and one girl attended the State Short Course held at State College, Raleigh. Earl White attended as representative of the Southeastern Extension District in the State 4-H Health Contest. Two clubs were represented.

One of the delegates stated, "I had a very enjoyable time at the Short Course and received very valuable instruction and I hope to go again next year."

Demonstration Teams

Ten demonstration teams were trained in the subject "First Aid". Each team presented the demonstration at the local 4-H Achievement Day to the entire school in which the club functioned. This demonstration was also given at the County Federation Day in April.

Exhibits

Local

Each club put on an exhibit at its local Achievement Day in the Spring.

County

Exhibits from the clubs were on display at the County 4-H Federation Day in April.

State

Horace Brown, of the Brinson-Memorial Club, entered an individual corn exhibit at the State Fair in Raleigh but did not win a premium.

Outlook and Recommendations

In looking to the future we see the following needed: (1) a larger percentage of project completions, (2) an increased interest on the part of the parents of the club members. If a project is completed, then the parent becomes more interested in club work.

We are striving for better monthly programs and wholehearted participation in the programs. Our County Council will function better than in past years, thereby giving the Extension Agent closer contact with the officers of the clubs who are responsible for the club work.

All-in-all we are expecting a better club year than the past year proved to be.

L-H CLUB OFFICERS

1999

<u>Club</u>	<u>President</u>	<u>Vice President Program Chairman</u>	<u>Secretary</u>	<u>Treasurer</u>
Jasper Service	Eva Conner R-4, New Bern, N.C.		Joe Stevenson	
Cove City Service	Francis McCoy Cove City, N.C.	Jesse Davis - V.P. Manly White, Jr. - P.C.	Blanch Heath Cove City, N.C.	Louie Dell Davis Cove City, N.C.
Bridgeton	Bill Powell R-1, New Bern, N.C.	Mary Gaskins R-1, New Bern, N.C.	Syble McGee R-1, New Bern	
Brinson Memorial	Martha R. Hullen R-4, New Bern, N.C.	Hazel Parks R-4, New Bern, N.C.	Mildred Hardison R-4, New Bern, N.C.	
Croatan	Lilly Ives R-4, New Bern, N.C.	Nancy Caton R-4, New Bern, N.C.	Hazel Austin R-4, New Bern, N.C.	
Cove City	Gailyn Hawkins Cove City, N.C.		Sallis Heath Cove City, N.C.	
Dover	Ava Rogers Dover, N.C.	Iris Hood Dover, N.C.	Norman Davenport Dover, N. C.	
Epworth	John Dixon R-1, Grifton, N.C.	Gladys Powell R-2, Vanceboro, N.C.	Louise Powell R-2, Vanceboro, N. C.	
Ernul	Margaret Forebee Ernul, N. C.	J. W. Sutton Ernul, N. C.	Garland Whitford Ernul, N. C.	
Ft. Barnwell	Viola Register R-1, Dover, N.C.	Frances Semons R-1, Dover, N.C.	Mary Lee Skinner R-1, Dover, N.C.	
Jasper	Helen Humphrey Clark, N.C.	Billy Pitts Clark, N.C.	Lucy May Davis R-2, New Bern, N.C.	
Vanceboro	Myrtle Gray Howell Vanceboro, N.C.	Margaret Harrington Vanceboro, N.C.	Bobbie Clove Vanceboro, N.C.	

## IV. HORTICULTURE

Although Craven County is primarily a tobacco growing county, the Bachelor and Epsworth communities grow a fairly large acreage of truck crops; cabbage, Irish potatoes, sweet potatoes in the Bachelor section and Irish potatoes in the Epsworth section.

Due to the low price of cabbage on the market, the Federal Surplus Commodities Corporation set up offices in New Bern and purchased carload lots of cabbage in Craven and surrounding counties, paying \$8.00 per ton.

I went with C. E. Laughinghouse, Vanceboro, to the meeting held in Elizabeth City relative to the growing and handling of Irish potatoes, conducted by State College and the Vegetable Growers Association.

Mr. L. P. Watson, Extension Horticulturist, gave a very interesting talk illustrated with colored slides, at the Annual Ladies Night of the Craven County Farmers' Club.

## XVI. PLANT PATHOLOGY

"I have wilt in my tobacco patch. What can I do to get rid of it?" What Extension Agent in a county growing tobacco has not had that question asked him countless numbers of times! Not only tobacco wilt but diseases of all field crops worry the farmer.

Through our work in Plant Pathology, we have endeavored to get to the farmers all the timely information at our disposal that will enable them to prevent and fight plant diseases.

### Blue Mold Control

The larger part of our work in this line for 1939 was done with control of tobacco blue mold. All three methods of control; benzol, red copper-oxide spray and paradichlorobenzene were used. Tables 19, 20, 21 show the results obtained with the three treatments. Spray demonstrations were conducted with J. J. Hughes, Croatan, R. M. Kornegay, Rhem, Mrs. O. F. Glenn, Trent Pines Farm; benzol treatment with R. M. Kornegay, Rhem; and paradichlorobenzene (P.D.B.) treatment with Wade Meadows, Trent Road.

Of the three, the paradichlorobenzene treatment proved the better method of treatment. We are hoping the farmers will prepare their plant beds in such a manner that they will be ready to use the gas treatments if they wish to do so next year.

These demonstrations were carried out in cooperation with Dr. Luther Shaw, Extension Plant Pathologist.

### General

Tobacco diseases are making heavier inroads on the crop each year. Granville wilt, sore shank, nematode, are all taking more than their toll. Five farmers who were badly infested with wilt were given advice relative to rotations they could use to decrease the amount of wilt. Three farmers attended the Field Day at the Oxford Tobacco Experiment Station to see the demonstrations being conducted in the use of fertilizers, variety tests, and disease control. They were very much impressed with the experiments being carried out.

Through bulletins and the newspaper, many farmers were helped in fighting diseases of truck crops and fruits.

Table No. 19 RESULTS OF DEMONSTRATIONS ON THE CONTROL OF BLAZE MOLD OF TOBACCO BY BENZOL FUMIGATION IN NORTH CAROLINA, 1938 and 1939

Year	County	Name of Demonstrator	No. of fumigation treatments	Benzol Fumigation			Untreated		
				Date first plants pulled for treatment	No. plants pulled per 100 sq. yds. at first planting	Total plants pulled per 100 sq. yds. during season	Date first plants pulled for treatment	No. Plants pulled per 100 sq. yds. at first planting	Total plants pulled per 100 sq. yds. during season
1939	Craven	Kornegay, R.M.	15	April 13	2,272	27,272	April 13	1,595	19,148

Table No. 20 RESULTS OF DEMONSTRATIONS ON THE CONTROL OF BLAZE MOLD OF TOBACCO BY THE PARADICHLOROBENZENE FUMIGATION METHOD IN NORTH CAROLINA IN 1939

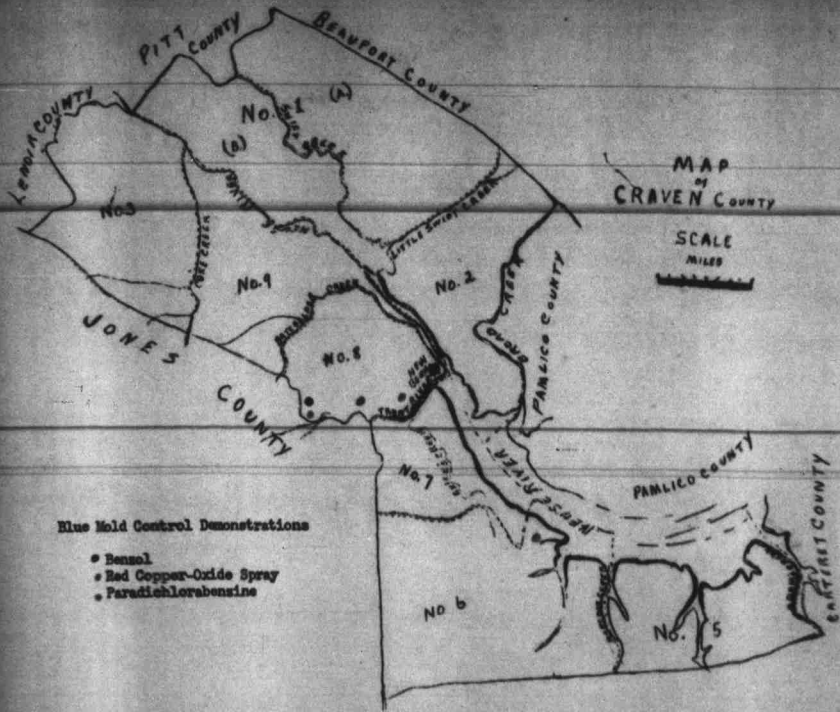
County	Name of Demonstrator	No. of Fumigation Treatments	Paradichlorobenzene Fumigation			Untreated		
			Date first plants pulled for treatment	No. plants pulled per 100 sq. yds. at first planting	Total plants pulled per 100 sq. yds. during season	Date first plants pulled for treatment	No. plants pulled per 100 sq. yds. at first planting	Total plants pulled per 100 sq. yds. during season
Craven	Meadows, Wade	5	April 24	3,000	18,000	April 24	1,800	10,000

Table No. 21

**RESULTS OF DEMONSTRATIONS ON THE CONTROL OF BLUE  
MOLD OF TOBACCO WITH RED COPPER OXIDE SPRAY IN N. CAROLINA 1958-59**

Year	County	Name of Demonstrator	Red Copper Oxide Spray					Untreated		
			No. of spray treatments	Date first planting	No. plants pulled per 100 sq. yds. at first pulling	Total plants pulled per 100 sq. yds. at first pulling	Date first planting	No. plants pulled per 100 sq. yds. at first pulling	Total plants pulled per 100 sq. yds. during season	
1959	Craven	Glenn, Mrs. O.F.	9	April 28	3,656	9,056	April 26	3,600	13,755	
		Hughes, J.L. & J.J.	8	April 27	3,850	11,396	April 27	1,200	9,560	
		Kornegay, R.M.	6	April 13	6,000	24,000	April 13	4,000	18,000	





## XVII. POULTRY

Flock Record Demonstrations

In the past year, four farmers kept monthly records on the performance of their poultry flocks. Flock reports were turned in at the end of each month and sent to Raleigh to be analyzed in order that the demonstrators could find out exactly what their flocks were doing.

The average return above feed cost per bird for the four demonstrators was \$1.19. This was \$0.13 higher than the average for 1937-38. The table below gives the two leaders in the demonstrations.

Table No. 22

<u>Mrs. E. A. Pamber, New Bern</u>	
Av. No. Birds kept during the year	79
Total number of eggs produced during year	10111
Av. number eggs produced per bird	128
Total feed cost for the year	\$82.70
Av. price received per dozen eggs	.271
Total value of eggs produced	\$228.74
Total return above feed cost	146.04
Total return above feed cost per bird for year	1.84

<u>Farm Life School, Vanceboro</u>	
Av. No. Birds kept during the year	202
Total number of eggs produced during year	29061
Av. number eggs produced per bird	144
Total feed cost for the year	\$312.36
Average price received per dozen eggs	.242
Total value of eggs produced	\$586.91
Total return above feed cost	274.55
Total return above feed cost per bird for year	1.35

Table 24 gives the County Summary of the Flock Reports.

Broiler Demonstrations

Reports were received from three demonstrators keeping broiler records. Thomas Dubois, Vanceboro again led the producers and his results are shown in table below.

Table No. 23

<u>Thomas Dubois</u>	
No. Chicks Started	721
No. Chicks Sold	689
Av. No. Chicks Brooded	705
Lbs. Mash	4100
Lbs. Grain	1800
Total Mash Cost	\$98.40
Total Grain Cost	36.90
Total Feed Cost	135.30
Total Chick Cost	59.50
Total Fuel Cost	30.00
Other Costs	5.50
Total Costs	230.30

Total Weight of chicks	1657
Total Receipts	\$331.40
Total Profits	101.10
Av. Price	.20
Profit per chick	\$0.143

#### School for Poultry Growers

A one-day Poultry School for 10 counties was held at the County Courthouse in New Barn on Wednesday, February 16, 1939. Two hundred farm people from Greene, Hyde, Pitt, Beaufort, Jones, Onslow, Carteret, Pamlico, Lenoir, and Craven counties attended. Talks were made by Extension Poultrymen Dearstyne, Brown, Gauger, and Parrish. The afternoon session of exhibits and autopsy was greatly enjoyed. Ten prizes were distributed, donated by local merchants and wholesale dealers. Eight dozen eggs were entered for the prize of best white and brown eggs. H. E. Wilcox, Spring Garden, and C. H. Bellman, Beaufort, both of Craven County won the prize for the best dozen of white and brown eggs respectively.

The school was well received by those in attendance.

#### General

Six flocks were vaccinated against chicken pox numbering 1000 birds.

Recommendations for chick purchasing resulted in the placing of 4500 baby chicks from approved sources.

Fifty farmers followed approved methods of treating for lice, mites, and worms, treating a total of 1000 birds.

Fourteen laying houses and 8 brooder houses were constructed.

Many more of the above practices were carried out due to furnishing of bulletins, and timely newspaper articles.

TABLE NO. 24

CHRYSE COUNTY DEMONSTRATION POULTRY FLOCK SUMMARY 1936-39

Month	Total Farms	Total number birds	Birds per farm	Total eggs for month	Eggs per bird	Per cent production	Total feed cost	Feed cost per farm	Feed Cost per doz. eggs	per bird	Total pounds grain	Total pounds mash
Oct.	4	685	174	4125	5.85	19.1	82.08	20.52	.235	.118	1700	2300
Nov.	5	552	187	3699	6.33	21.9	55.45	16.49	.180	.096	1350	1900
Dec.	2	383	191	4503	11.75	37.9	46.79	23.40	.124	.122	900	1350
Jan.	4	532	133	6148	11.55	37.2	67.73	16.94	.132	.127	1550	1900
Feb.	3	410	137	6731	16.41	68.6	55.39	18.46	.096	.156	1250	1800
Mar.	2	215	107	4326	20.13	64.9	26.53	13.31	.073	.125	600	680
Apr.	3	358	119	6800	18.99	65.3	46.10	15.03	.079	.125	950	1250
May	1	321	160	6939	21.64	86.4	49.23	24.64	.101	.153	900	1450
June	3	511	164	4516	13.67	46.2	46.33	15.44	.130	.150	1050	1150
July												
Aug.												
Sept.	1	129	129	1220	9.45	31.5	21.04	21.04	.206	.163	450	400
	<u>27</u>	3916	145	47693	122	40.2	496.43	18.38	.125	1.26	10700	13480
	<u>2.7</u>	392										

CRAVEN

Pounds Feed per bird		Pounds Grain and mash to produce doz. eggs	Highest price per doz. eggs	Lowest price per doz. eggs	Average sale price per doz. eggs	Value of eggs produced			Return Above Feed Cost		
Grain	Mash					Total	Per farm	Per bird	Total	Per farm	Per bird
2.4	3.5	11.6	.330	.300	.309	106.46	26.51	.183	24.37	6.09	.035
2.4	2.6	9.2	.350	.330	.342	105.63	35.21	.187	50.17	16.72	.029
2.3	3.5	6.0	.250	.326	.342	123.58	64.29	.335	51.79	40.89	.215
2.9	3.5	6.7	.335	.150	.269	137.77	34.44	.256	69.09	17.80	.131
3.0	3.6	4.9	.289	.177	.209	117.27	39.09	.296	61.98	20.83	.156
2.7	3.0	3.4	.256	.150	.184	66.48	53.24	.309	39.55	19.93	.166
2.6	3.4	3.8	.199	.169	.183	103.50	34.50	.289	59.40	19.47	.164
2.3	4.5	4.8	.200	.160	.192	93.54	46.77	.291	44.26	22.13	.138
3.3	3.6	6.1	.223	.190	.206	74.26	24.75	.238	27.83	9.11	.088
3.4	3.1	6.3			.301	30.50	30.50	.236	9.46	9.46	.073
27.2	34.3	6.1			.244	965.98	35.70	2.45	467.60	17.32	1.19

RAISING POULTRY IS A  
BUSINESS - NOT A TRICK



**POULTRY SHORT COURSE**

CRAVEN COUNTY COURTHOUSE  
New Bern, N.C.

Wednesday, February 15, 1939

9:30 - 10:00 AM	Registration	
10:00 - 10:30 "	Chick Rearing Practices	- C. F. Parrish
10:30 - 11:00 "	Some of Our Poultry Problems	- Prof. R. S. Dearstyns
11:00 - 11:30 "	Improving the Farm Flock Through Breeding	- Dr. C. S. Bostian
11:30 - 12:00 M.	Stimulating Appetites by Attractively Packaging Poultry Products	- T. T. Brown
12:00 - 1:00 PM	Break for Lunch	
1:00 - 1:15 "	Remarks Regarding the Coming World's Poultry Congress	
1:15 - 2:00 "	Round Table Discussion on Individual Poultry Problems	
2:00	Demonstrations in Egg Grading and Candling	
	Demonstrations in Poultry Diseases, including Diagnosis and Post Mortem Work	
3:00 "	Exhibits, including House Models	- C. F. Parrish C. J. Maurin

PRIZES

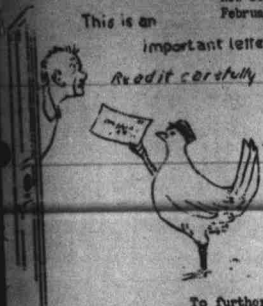
- 1 Feeder
- 1 Feeder - 1 Waterer
- 2 Bags Fish Meal
- 50 Lbs. Food
- 1 Bag Food
- 6 Bags Corn Meal
- 1 Bag Flour
- 1 Gall Grouse
- $\frac{1}{2}$  Gallon Motor Oil
- 1 Shovel

DONATED BY

- Thos. J. Mitchell Hardware Co.
- Craven Mutual Exchange, Inc.
- New Bern Oil & Fertilizer Co.
- Cash Food Store
- Farmers' Supply House
- Cannon Milling Co.
- Armstrong Grocery Co.
- Brady's Cull Station
- Darroll's Egg Station
- J. C. Whitty Co.

This is an  
important letter

*Read it carefully*



TO ALL FARMERS:

According to the North Carolina Crop Reporting Service there were 34,890 hens of laying age in Craven County in 1938. This is only a "drop in the bucket" of the 5,023,990 hens in the entire State. However, we should take the proper care of our poultry that we have in order to enable us to get profitable returns from our investment.

To further enable you to give your poultry flock the best care possible, we are having in New Bern at the County Courthouse on Wednesday, February 15, a one-day Poultry School for 10 counties, including Craven. The school will be conducted by Extension Service Poultry Specialists from State College, and a fine program has been arranged. The program for the day is enclosed, with a list of prizes to be given away. Among other prizes, one will be given for the best dozen eggs brought to the school by a person in attendance. A demonstration in candling and grading of the eggs will be given by one of the Specialists.

We believe the day spent at this school will be well worth your time, and that you will receive information which will aid you in securing more profitable returns from your poultry project. The meeting will adjourn by 4:00 P.M.

Be sure to come to the school on time, and bring your neighbor, both of you will learn something new about poultry.

Very truly yours,

*L. G. Matthis*

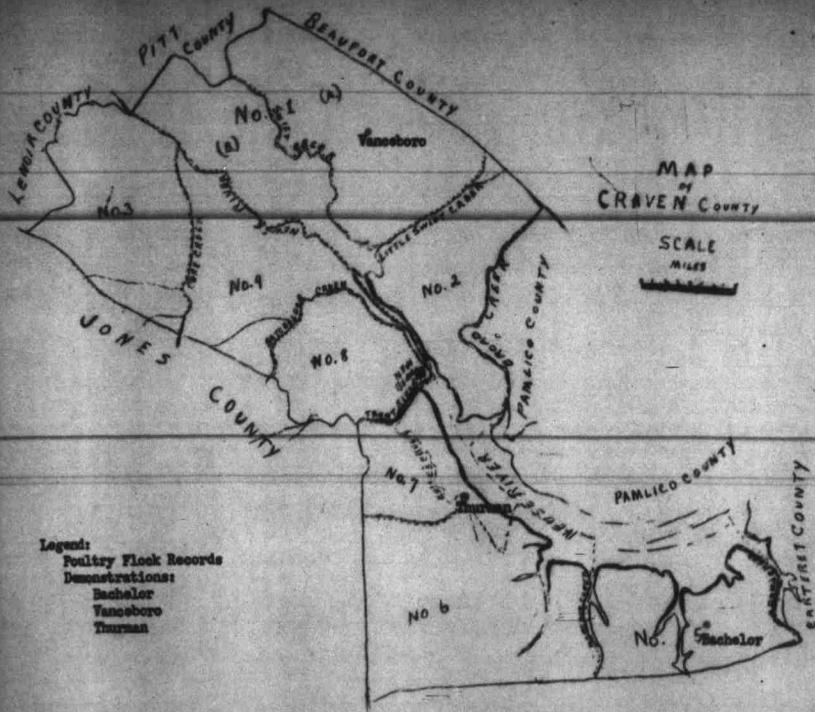
L. G. MATTHIS, County Agent.

*P. H. Cox*

P. H. COX, Assistant County Agent.

*Jessie Trowbridge*

JESSIE TROWBRIDGE, Home Dem. Agent.





## XVIII. SWINE

Our biggest swine problem in Craven County continues to be that of swine sanitation.

W. E. Moore, New Bern, R-4, used oats to put his small pigs on when they were farrowed and he reports that they did exceptionally well due to the fact that the pigs were not hampered in growth by worms.

Eight hundred and eighteen farmers sold 4,209 hogs weighing 770,902 pounds for \$49,496.71 to the local Five County Livestock Market. These figures are a little below those of last year due to low prices.

The farmers in the County are becoming more conscious of the sanitation problem and are trying to arrange their hog raising activities so as to farrow the pigs on clean ground.

Nineteen hog houses were constructed and 9 self feeders built.

## XIX. TOBACCO

The main cash crop in Craven County is tobacco. During the year, we helped the farmers on practically every phase of tobacco production from the plant bed to marketing.

J. J. Hughes, Croatan, and Mrs. O. F. Glenn, Trent Road, conducted demonstrations in the row arrangement of sowing tobacco seed in the plant bed. No actual figures are available as to number of plants produced by this method as compared to the seed broadcast. However, both of these farmers stated that the plants in rows showed better root development, better growth, and slightly better percentage of livability when set in the field.

With the aid of L. T. Weeks, Extension Tobacco Specialist, and tobacco graders from the U. S. Department of Agriculture, four tobacco grading schools were held in the County in August. These schools were well attended, being held at Blades, Hill Oak, Dudley X Roads, and Thurman.

Extension Tobacco Specialist L. T. Weeks met with County Agents and Vocational Teachers from Pamlico, Craven, Jones, Onslow, and Carteret Counties in Beaufort in September. He discussed the Cultivation and Fertilization of Tobacco and gave those present excellent information regarding the growing of the crop. y

R. M. Kornegay, Rhen, conducted a ridge method of cultivation demonstration, reporting that the acre on which he conducted his demonstration produced 1100 pounds of tobacco bringing \$140 net, this yield being about 200 pounds per acre better than any other acre on the farm. He plans to cultivate all of his tobacco with the ridge method next year.

## XL. LAND - USE PLANNING

Craven County was selected as one of the Counties in the Southeastern Extension District to help inaugurate a new phase of Extension Work in North Carolina; Land Use Planning. The program has as its object to better coordinate the work of the United States Department of Agriculture Agencies and to give the farm people a chance to tell the Department what they think should be done in their respective communities to help farming and health conditions.

Mr. J. F. Criswell, Extension Specialist in Land Use Planning, met with a group composed of leading farmers and farm women, Vocational Agriculture teachers, and others interested in the Program, at the County Courthouse and explained the procedure to be used in carrying out the Program. As a result of this meeting, there were three community meetings held in the County, at Outen, Daugherty's Chapel, and Erwin. Attendance was only fair at the meetings but those attending manifested great interest. Mr. Criswell also spoke at the April meeting of the Farmers Club. The Home Agent discussed the Program in each of her Home Demonstration Clubs.

For various reasons, the Land Use Program did not get into the actual mapping work but we hope to go further with the work next year.

## XII. SUMMARY

Although the AAA Program for 1939 has claimed a considerable amount of the County Agents' time it has been possible to spend a great deal more time in the field and on Extension work than was possible in 1938. This was possible mainly through delegating the work in the office to the Chief Clerk, and through him to other individuals in the office; although there has not been as many personal calls to the office as in 1938, due to the fact that this was a voluntary program which was followed by a much smaller percentage of the farmers.

It is the aim and hope of the Agents in this County to encourage and help the farmers to use the Soil Conservation Program in the best manner possible in 1940, and to use this program as a means through which we hope to put over a much better Extension Program than has been possible for the last few years. There seems to be among the farmers a growing understanding of the value and advantage of soil conservation than there previously had been, and a determination to take every possible advantage of the opportunity to improve the soil and at the same time make a better living for themselves and their families.