

NORTH CAROLINA

BLADEN Agricultural Agent Annual Report 1941

County

index		page
1 c 4.23	Enterprise accounts;poultry	51,53-54
1 e 3.25	Milk plants	47
1 g 1.1	Camp repair work.	24
2 b 1.1	Dairy barns	47
2 b 5	Buildings;potato-curing houses.	40
2 b 8	Blueprints.	19,51
2 e 6	Electric lines.	21
2 h 4	Machinery;harvesting.	19-20
8 hl.332	Camp,jr..	23-24, 25-29
8 h 1.41	4-H Radio	23,25-28
9 g 6	Tobacco	7-8, 13
9 i 1	Seed certification.	12
14 a 14	Home orchards	40
14 b 3	Landscaping home grounds.	36-37
16 a 5	Peanut dusting.	13,15-16
16 i 1	Blue mold, on tobacco	9
16 k 2.10	Watermelon;wilt-resistant varieties	12
17 c	Crop rotation	5
17 d 2.8	Potash.	2-3
17 d 3.6	Fertilization;pastures.	11
17 d 3.12	" tobacco	7-8
18 b 1	Cooperation,veterinarians	42

am 22

REPORT FILES
EXTENSION WORK

NARRATIVE REPORT

BLADEN COUNTY

1941

COUNTY AGENT ANNUAL REPORT

INDEX

Introduction	-----Page	1
Foreword	-----Page	2-16
Agricultural Adjustment Administration	-----Page	17-18
Agricultural Engineering	-----Page	19-21
4-H Club	-----Page	22-33
Home Beautification	-----Page	34-35
Home Beautification	-----Page	36-39
Horticulture	-----Page	40-41
Livestock	-----Page	42-49
Poultry	-----Page	50-54
Service Club	-----Page	55-56

INTRODUCTION

The County Agents of Bladen County are presenting this Annual Narrative Report, giving some of the high lights of the Extension program in Bladen County from December 1, 1940 through November 30, 1941. We must acknowledge that this Narrative does not cover in detail all of the work done by the County agents during this period but it does cover the major projects conducted throughout the year.

We are sorry that this report is not as elaborate in detail as it might be, but we feel that it is better than the reports heretofore sent from Bladen County. We hope that our District Agent and State Director will accept this report at this time.

1. Potash Demonstrations

Five farm management demonstrations were started in Bladen County in connection with the Farm Management Department in Raleigh, and the American Potash Institute. The purpose of this project was to encourage more of our farmers to put into operation better farm management practices on their farms. On these five demonstrations, soil samples were taken to determine the Lime and fertilizer recommendations for these farms. Farm maps were scaled for these farms and crop rotation worked out by Mr. E. C. Blair, Extension Agronomist in Raleigh. Each of these farmers this year are keeping an accurate farm record of every enterprise on the farm, a practice which we are trying to encourage and get more of our farmers to follow.

The American Potash Institute, headquarters in Atlanta, Georgia, furnished 62% potash for these demonstrations. This potash was applied according to the North Carolina Experimental Station recommendations to all small grain, Winter and Summer legumes, and permanent pastures. One tenth of each field was set aside where no potash was applied to determine the results of these applications. Even though the dry weather conditions have not shown quite as great a difference as might be expected for the yields on all of these crops, Mr. H. B. James from the Farm Management Department and the local agents are well pleased with these five farm management demonstrations.

A. D. Cromartie, of Garland, P. J. Hayes of Elizabethtown, June Singletary Expie Callihan and E. J. Johnson, of Bladenboro are the five farmers who are cooperating with us with this project. On Mr. P. J. Hayes' farm near Elizabethtown, we are getting some outstanding results on the increase of small grain this fall where the potash was applied last Summer. On Mr. Expie Callihan's farm near Bladenboro, he produced 500 bushels of sweet potatoes per acre where

125 pounds of 62% potash was applied to small grain last Spring.

We feel like these demonstrations which will be continued again this year will be a great inducement to other farmers in these communities to put into operation similar farm management practices on their own farms.

In addition to the above mentioned demonstrations, J. A. Singletary of Abbottsburg, Jap Woodhouse, of Elizabethtown, O. B. Page of Dublin, J. R. Powell, of Elizabethtown, L. L. Warner, and R. H. Britt of Clarkton, are keeping a farm record book this year of all the enterprises on their farms. Practically all of these farmers are well pleased with the idea of keeping a more accurate record and feel that this is a great forward step in placing the operations of their farm on a more business like basis.



BLADEN CO

Potash Demonstrations

1. Crop Rotation

The crop rotation reports on the farms of Henry Beatty of Tomahawk, P. J. Hayes of Elizabethtown, A. D. Cromartie of Garland, J. R. Powell of Elizabethtown, E. M. Davis, of Fayetteville, Route-7, G. E. Callihan, E. J. Johnson, and June Singletary, of Bladenboro, and Charlie Braddy of Council have just been collected and summarized. These farmers are following their crop rotation as closely as they possible can. The majority of these farmers state that over a period of years, by following these rotations, that they are confident that these rotation practices have greatly assisted them in building up the fertility of their soil and at the same time, reducing the insect and disease damage that would otherwise have occurred on their farms. Dry weather during the past season has caused the yields of crops, in some instances, to be smaller than have been produced in other years, however, as a whole, we are well pleased with all of these demonstrations and the results that we are getting.



Crop Rotation

3. Tobacco Fertilizer Demonstrations

A tobacco fertilizer demonstration was conducted on the farm of Carl Buggs, Elizabethtown. There were ten plats in this demonstration where different amounts of fertilizer were used, ranging all the way at the rate of 800 pounds to 1600 pounds per acre. This fertilizer analyzed a 3-10-6. In analyzing the results from this fertilizer demonstration, we found that where 800 pounds, 1000 pounds, 1200 pounds and 1400 pounds of fertilizer were applied per acre, we got an average value per acre as follows: \$334.77, \$315.70, \$284.85 and \$271.49. From this one demonstration, it appears, that the 800 pounds of fertilizer, analyzing 3-10-6, is the most practical application.

We feel that this was a very worth while demonstration and plan to conduct another one of this kind in Bladen County next year. After this demonstration is conducted over a period of years, we will have some vaulable information with regard to the fertilizing of our tobacco in Bladen County which we can pass on to our farmers.

During the early Spring of last year, a very interesting and educational meeting was held with our farmers in connection with the production of Tobacco. Three specialists from the Collage conducted this meeting at our local theatre with approximately 500 farmers present. Mr. H. R. Garriss, Plant Pathologist from the Collage, discussed tobacco diseases; Mr. L. T. Weeks, discussed tobacco fertilization and the proper cultural practises that our farmers should adopt; Mr. J. O. Rowell, Extension Entomologist, discussed tobacco insects and their control. These three specialist used color slides in connection with their lecture showing actual field conditions which made this a very impressive meeting. We got a very favorable report from the farmers at this meeting and we have scheduled another similar meeting this year that will be held in a different section of our county.

RESULTS OF TOBACCO FERTILIZER DEMONSTRATION IN NORTH CAROLINA FOR 1941 IN COOPERATION WITH MR. CARL SUGGS, ROUTE 1, ELIZABETHTOWN, N. C.
ON NORFOLK SANDY LOAM SOIL IN BLADEN COUNTY

The fertilizer used in all plots was a 3-16-6 analysis, made up as follows:
33 1/3 Nitrate of Soda, 33 1/3 Sulphate of Ammonia,
16 2/3 Animal Tankage, 16 2/3 Cottonseed Meal

All Super 2.0% Muriate, 2.0% Sulphate of Potash Magnesia,
2.0% Sulphate of Potash

The above formula was applied as follows:

The tobacco was spaced in the drill as follows:

- Plot No. 1 - 800 pounds per acre
- 2 - 1000 " " "
- 3 - 1200 " " "
- 4 - 1400 " " "
- 5 - 1600 " " "
- 6 - 800 " " "
- 7 - 1000 " " "
- 8 - 1200 " " "
- 9 - 1400 " " "
- 10 - 1600 " " "

- 26 inches in the drill
- 24 " " " "
- 22 " " " "
- 20 " " " "
- 18 " " " "
- 24 " " " "
- 24 " " " " (3-8-8 Com. Fert.)
- 24 " " " "
- 24 " " " "
- 24 " " " "

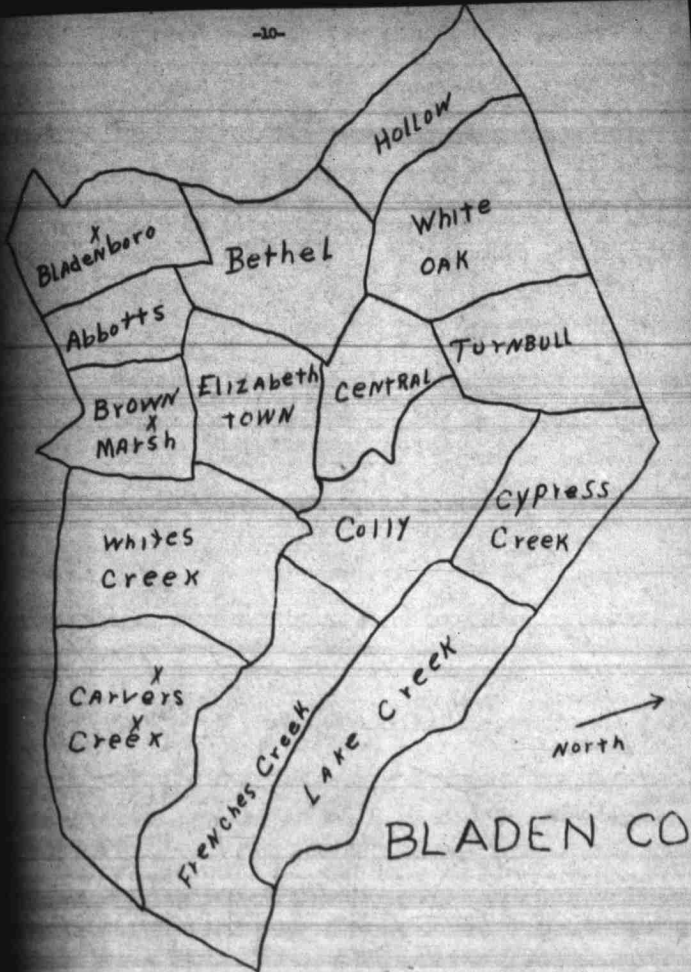
(Note: The fertilizer was placed in bands in all plots.)

TABULATION OF ABOVE MIXTURES WITH NUMBERS CORRESPONDING

Plot No.	LUGS						LEAF				TIPS				Total Yield per acre	Average Price per 100 pounds	Value of Crop Less Cost of Fertilizer		
	Common		Medium		Best		Best		Medium		Common		Black					Green	
	Lbs. per acre	Value per acre	Lbs. per acre	Value per acre	Lbs. per acre	Value per acre	Lbs. per acre	Value per acre	Lbs. per acre	Value per acre	Lbs. per acre	Value per acre	Lbs. per acre	Value per acre				Lbs. per acre	Value per acre
146	24.09	219	78.84	268	104.52	97	31.04	182	50.96	67	9.71	24	2.40	115	20.70	1118	28.82	312.25	
148	24.42	197	70.92	185	72.15	154	49.28	222	62.16	83	12.03	49	4.90	111	19.98	1149	27.48	303.38	
150	24.75	187	67.32	137	53.43	43	13.76	331	92.68	75	10.87	93	9.30	156	28.08	1172	25.61	285.19	
168	27.72	162	58.32	81	31.59	68	21.76	318	89.04	137	19.86	75	7.50	131	23.58	1140	24.50	261.87	
253	41.74	155	55.80	77	30.03	77	24.64	389	108.92	116	16.82	77	7.70	136	24.48	1280	24.22	290.13	
134	22.11	190	71.28	269	104.91	64	20.48	384	107.52	64	9.28	76	7.60	134	24.12	1323	27.76	357.30	
197	32.50	232	83.52	238	92.82	81	25.92	232	64.96	23	3.33	127	12.70	139	25.02	1269	26.85	328.07	
146	24.09	140	50.40	166	64.74	153	48.96	246	68.88	73	5.85	186	18.60	100	18.00	1210	24.75	284.52	
214	35.31	136	48.96	129	50.31	123	39.36	259	72.52	116	16.82	160	16.80	103	18.54	1248	23.92	281.12	
234	38.61	107	38.52	88	34.32	107	34.24	253	70.84	101	14.64	120	12.00	126	22.68	1136	23.40	245.85	

Blue Mold Control Demonstration

A blue mold control demonstration was conducted on the farm of C. C. and Homer Munroe of near Council, F. K. Rogers of Clarkton, and Mr. June Singletary of Bladenboro. In these demonstrations the paradichlorobenzene was used. The framing of these beds were tightly constructed in order that none of these gas fumes would escape. Heavy covering of homespun was also applied above the regular tobacco canvas. These crystals were applied at the rate of about 3 pounds per hundred square yards. From the 270 yards of tobacco plant beds owned by Mr. Homer Munroe, he states that a little better than 16 acres of tobacco was set in the early Spring. He also states that he was able to get his entire tobacco acreage set this year earlier than previous years. Due to the fact that he was in a position to set his entire acreage of tobacco at one pulling and getting a more uniform stand, he states that he is confident that he received higher dollar value per acre than hereto fore. His tobacco sold for around \$4.00. per acre this year. Mr. C. C. Munroe, Mr. F. K. Rogers, and Mr. June Singletary, who conducted the other three demonstrations, reported practically the same results.



Blue Moll Demonstration

Pasture Fertiliser Demonstration

A Pasture fertiliser demonstration was conducted on the farm of C. H. Williams of near Acme. The purpose of this demonstration was to determine the increased production and improved quality of grazing that our farmers might expect from applying fertiliser to their pastures.

Soil samples were first taken and sent in for their analysis. It was found that one ton of lime and 500 pounds of acid phosphate must be applied per acre. The seed was purchased and sown on five acres, according to our recommendations.

A plat was fenced off with a division line running through the center with the above mentioned amounts of fertiliser applied on one side of the plat and no fertiliser on the other half.

The hay was harvested in early September from both plats, dried and weighed. On the plat where no fertiliser was applied, a yield of 1502 pounds of hay was harvested on the per acre basis as compared to 4286 pounds where fertiliser was applied. An increase of 2784 pounds of hay per acre is certainly worth many times more than the cost of the small quantity of fertiliser that was used on this demonstration.

We see a great need of supplying the proper minerals to our livestock in Bladen County through the grazing. There has been an increased demand from the county agent's office during the past year with reference to information concerning pasture mixtures, preparation of plant bed and fertilization of permanent pastures. A large quantity of the Grant of Aid lime coming into the county has been used on the pastures.

6. Winter Legume Tour

A winter legume tour was held in the Spring of this year. A good representative group of farmers attended all the stops on the tour. The farms of W. G. Gilchrist, J. R. Powell, and V. D. Gibson of Elizabethtown were visited. The

of growth, stand, amount of nodules on roots, the root system and any factors pertaining to this legume as a soil improvement crop was studied.

Watermelon Wilt-Resistant Variety Demonstration

A watermelon wilt-resistant variety demonstration was conducted on the farms of June Singletary of Bladenboro, and A. D. Cromartie of Garland. The Mountain Strain 5 and Hawksbury Wilt-Resistant varieties were used with Black Diamond, which is subject to the wilt, being used as a check.

Very little trace of wilt was noticed in either of these test plots, and the fields where their seed was planted carried the wilt disease. These two farmers were well pleased with the results and are going to adopt these varieties all together on their farms. Not very many melons are produced for commercial purposes in the county, however, practically all farmers grow them for home use and as feed for hogs.

Certifying Small Grain

J. D. Dixon from State College inspected small grain, wheat, oats and barley for certification on the farms of June Singletary of Bladenboro, Oscar Tatum of White Oak, O. F. Hilburn, of Council, Joe Gibson, E. M. Ward and Joel Elkins, of Elizabethtown. These farmers state that it was a good investment to have their small grain certified since they were both scarce and high this fall.

There has been an increase in the acreage planted to small grain in the county this Fall and the County Agents are going to try to get a much larger number of farmers to certify their small grain next Spring for seed, in order that they might realize a better price for it. At the same time, we want to have plenty of good seed that might be available locally.

A number of our farmers sowed their Italian Rye Grass seed early this fall in their corn field where velvet and soy beans were waist to shoulder

The beans shaded, or protected, the rye grass from the hot dry weather the farmers were well pleased with their results.

Ridge Method Cultivation Demonstration

A demonstration on the ridge method of cultivation of tobacco was conducted on the farm of Mr. Charlie Evans of near Clarkton in cooperation with L. I. Weeks, Tobacco Specialist, and the local agents. On 3.9 acres of tobacco, Mr. Evans, harvested 5450 pounds which sold for \$1813.23, this being an average of 33½¢ per pound which Mr. Evans received for his entire crop of tobacco. 1000 pounds of fertilizer, analyzing 3-10-6, was used on this demonstration. 50 pounds of 26% sulphate of potash magnesium and 25 pounds of nitrate of soda was used as a side application when this tobacco was about one foot high. Even though the weather conditions were very unfavorable last year, Mr. Evans, states that he is confident that he got a great increase in the dollar value for his tobacco acreage due to the ridge method of cultivation and the way he fertilized his tobacco crop.

A number of other farmers, as well as Mr. Evans, state that they plan to follow Mr. Week's recommendation with regard to the fertilization and cultivation of their tobacco next year.

10. Peanut Dusting Demonstration

Two sulphur dusting demonstrations were conducted in Bladen county on the farms of Eddie Bryan of Dublin, and W. G. Gilchrist of Elizabethtown.

On Mr. Bryan's demonstration, only one application of sulphur was applied. A yield of 1478 pounds of nuts and 26 bales of hay were harvested as compared with 1201 pounds of nuts and 20 bales of hay where no sulphur was applied. This gave an increase of 277 pounds, or about three bags of peanuts and six bales of hay increased production with only one application of sulphur.

Mr. Gilchrist dusted his entire 132.0 acres of peanuts this year. He purchased a new motor driven Root Duster. Where three applications of dust were applied an acre yield of 2121 pounds was harvested. Where two applications were applied, a yield of 2310 pounds of nuts were harvested. Where three applications of sulphur was furnished us by Mr. H. R. Garris, Plant Pathologist a yield of 2150 pounds of nuts was harvested. Where no sulphur was applied a yield of 2474 pounds of nuts was harvested.

No records were taken from the increased yields of hay where sulphur was used; however, Mr. Gilchrist estimated that where no dust was applied there was about a ton of hay per acre as compared to two tons where sulphur was used. A good portion of the leaves shedded off where no sulphur was applied.

SULPHUR DUSTING DEMONSTRATION - - Farm of W. G. Gilchrist, Sumner - 1941

<u>TIME OF APPLICATION</u>	<u>HEIGHT OF PLANT</u>	<u>DEPOLIATION OF STEMS</u>	<u>% DEPOLIATION</u>	<u>% LEAFLETS DISEASED</u>	<u>% SPOTS PER LEAFLET</u>
July 25, 1941		Four Applications of Sulphur, H. R. Garriss, Plant Pathologist.			
July 31, 1941	22"	10"	45.6%	91%	21.4
August 8, 1941		Four Applications of Mr. Gilchrist Sulphur Dust			
August 19, 1941	22"	15"	59.0%	100%	30.6
		One Application of Mr. Gilchrist Sulphur Dust			
July 31, 1941	24"	18"	75.0%	98.6"	48.8
		No Sulphur Dust			
	22"	18"	78.2%	100%	54.6

RESULTS OF SULPHUR DUSTING DEMONSTRATION

HARVESTED NUTS PER ACRE

2121 Lbs.	Three Applications of Sulphur
2310 Lbs.	Two Applications of Sulphur
2150 Lbs.	Copper Sulphur [from applications - H. R. Garriss]
2474 Lbs.	No Sulphur

SULPHUR DUSTING DEMONSTRATION - - Farm of Eddie Bryan, Summer - 1941.

<u>TIME OF APPLICATION</u>	<u>HEIGHT OF PLANT</u>	<u>DEFOLIATION OF STEMS</u>	<u>% DEFOLIATION</u>	<u>% LEAVES DISEASED</u>	<u>% NUTS PER LEAFLET</u>
August 15, 1941	Application of Sulphur Dust				
	25"	10" GROWN UP	40%	86%	36.4
	No Sulphur Dust				
	25"	20"	80%	97%	72.6

RESULTS OF SULPHUR DUSTING DEMONSTRATION

HARVESTED NUTS PER ACRE

1478 lbs.	Application of Sulphur Dust
1201	No Sulphur Dust

AGRICULTURAL ADJUSTMENT ADMINISTRATION

Agent Devoted.....	120.3 days
Specialist Devoted.....	45.0 days
Committee worked.....	764.1 days
Supervisor worked.....	1700.2 days
and Home Visits.....	500
at Agent's Office.....	17,975
Telephone calls.....	1373
Articles.....	84
Circular Letters.....	45
Copies.....	75,635
Training meetings held.....	9
andance.....	261
Committee meetings held.....	43
andance Committee meetings.....	250
Other meetings held.....	83
andance other meetings.....	4275
New work sheets secured.....	0
Old work sheets reviewed.....	0
farms measured.....	4459
Checks delivered.....	4310
ment of Checks delivered.....	\$94,584.03
Administrative Expense.....	\$23,368.70
Participating Cotton Stamps.....	1087
the stamps issued.....	\$19,829.50

Grant of Aid Material Delivered Beginning December 1940 to Oct. 31, 1941

Warrior Winter Peas.....	32,500 pounds
Grass.....	20,000 pounds
Superphosphate (used 18,300).....	60,000 pounds
Wool (2,812,000) pounds.....	1406.5 tons

This does not include Cotton Parity Payment for 1940 nor Cotton and Tobacco Parity Payment for 1941.

Plot Plan and Yields

Corn

Director: June Singletary, Bladenboro, N.C. (Bladen County)

Blender	F:	9-10-6	0-10-6	None	3-10-6	6-10-6	
of Stalks	S:	171	163	158	163	170	D
of Ears	E:	191	119	74	134	163	
of ears	W:	61.2 lbs.	31.7	17.6	37.7	45.6	
per acre	Y:	31.8	16.4	9.3	19.6	23.7	
	F:	6-10-6	9-10-6	None	0-10-6	3-10-6	
	S:	162	173	161	160	166	C
	E:	157	183	87	115	131	
	W:	48.3	64.3	21.3	23.2	33.8	
	Y:	25.0	33.4	11.0	12.0	17.5	
	F:	3-10-6	6-10-6	None	9-10-6	0-10-6	
	S:	166	168	152	190	181	B
	E:	130	161	80	204	69	
	W:	34.6	58.5	18.2	60.9	17.5	
	Y:	17.9	30.4	9.4	31.0	9.1	
	F:	0-10-6	3-10-6	None	6-10-6	9-10-6	
	S:	181	184	161	170	164	
	E:	119	144	71	152	184	A
	W:	23.5	35.8	19.0	47.7	70.0	
	Y:	11.7	18.4	9.9	24.8	36.3	

Two rows 100 feet long and 6.0 feet from stalk to stalk were harvested. The area thus was 1200/43560 or 1/3643 of an acre.

SUMMARY OF ALL PLOTS (AVERAGES)

Blender	:	None	0-10-6	3-10-6	6-10-6	9-10-6	
of stalks	:	158	171	170	167	191	
of ears	:	78	106	148	158	190	
lbs per ear	:	2.12	1.62	1.26	1.06	.92	
lbs of ear	:	19.0	23.9	38.0	50.0	64.1	
per ear (lbs)	:	.244	.238	.270	.322	.337	
per acre	:	9.9	12.3	18.4	25.9	33.2	
live Yields	:	100	124	186	262	336	
live Yields	:	80	100	149	211	270	
	:						
	:						
	:						
	:						

This of fertilizer was applied to all plots except the check (none) series. Nitrogen content was varied from 0, 3, 6, to 9%. All data, except yields summary which are estimates and averages, were obtained in the field.

Plot Plan and Yields

Crop: Wheat- Red Heart #4

Cooperator: V. D. Gibson, Elizabethtown, N.C. (Bladen County)

Fertiliser Treatment	Plot No.	300 lbs. Soda	Without: Soda	200 lbs. Soda	100 lbs. Soda
200 lbs. 3-10-6	1	54.2	28.6	45.1	38.3
No. Fertiliser	2	45.0	22.6	39.0	28.6
300 lbs. 3-10-6	3	55.2	29.6	42.5	37.0
200 lbs. 3-10-6	4	51.0	28.6	45.6	36.2
No Fertiliser	5	43.2	21.9	36.2	27.5
300 lbs. 3-10-6	6	56.0	29.2	50.5	34.8
200 lbs. 3-10-6	7	48.8	24.4	40.4	34.1
No Fertiliser	8	43.5	21.9	34.8	26.1
300 lbs. 3-10-6	9	57.5	29.5	44.0	35.6
		Average Yields			
Fertiliser Treatment		300 lbs. Soda	Without: Soda	200 lbs. Soda	100 lbs. Soda
No. Fertiliser Plots 2-5-8		43.9	22.1	36.3	27.4
200 lbs. 3-10-6 Plots 1-4-7		51.3	27.2	43.7	36.2
300 lbs. 3-10-6 Plots 3-6-9		56.2	29.4	45.7	35.5

All yields in bushels per acre

AGRICULTURAL ENGINEERING

Blue prints were furnished and assistance given in the construction of general purpose barns on the farms of Quill Moore of Elkton; June and Hadd Singletary of Bladenboro; and a 100 by 20 foot brooder house on the farm of U. S. Page of near St. Pauls, N.C.

A Number of blue prints were furnished and assistance given in the construction of self-feeders for hogs and laying houses for poultry.

1. Farm Machinery

There has been a steady increase in the number of peanut pickers in the past five years in Bladen County. In 1937 according to the Register of Deeds Office there were 19 peanut pickers in Bladen County. In 1938 there were 25 pickers; in 1939 there were 35 pickers; in 1940 there were 45 pickers; and in 1941 there were 53 pickers, showing an increase in the past five years of 34 pickers. At the present time there are ample peanut pickers in the county to take care of the peanuts planted.

2. Combines

In 1940 there were four combines in Bladen County. In 1941 there were seventeen in the county or an increase of thirteen. These combines took care of the work in 1941 but due to the increase of small grain planted for home consumption, it will be necessary that we increase these combines to at least twenty-five, with one combine placed in each Township regardless to the type of soil or size of the Township. In 1940 we had approximately 367 acres of wheat harvested for home consumption and in 1941 we had 836 acres harvested, and we predict or estimate from the information obtainable in the county that there will be approximately 2,000 acres of wheat harvested for home use next year. We do not know of but eight producers in Bladen County who have planted the maximum acreage allowed under the AAA and these producers have farms large enough to take care of the yield if they divert it for farm

use. The vast majority of the producers are planting from three to four acres per farm. Barley has thrived in Bladen County in the past two years. Oats has doubled, therefore with this increase in the planted acreage to be harvested for grain, it will require considerable increase in the number of combines.

3. Rural Electrification Administration

According to the records of the REA in 1941 there was constructed seventy-six miles of electric lines in the western section of Bladen County namely in Bethel and Bladenboro township. This seventy-six miles of lines serves 210 customers with 37 which can be added shortly.

4-H CLUB

There were 175 Club Boys enrolled in the eight organized clubs in the County during the past year. From the number, 134 completed their projects. 39 club members conducted corn projects, 16 peanuts, four cotton and 20 tobacco projects, five home gardens, four forestry, six wild life, twenty-nine poultry, five dairycalf, four beef cattle and twenty-seven swine projects.

At all the monthly meetings a joint program was conducted with the club boys and girls, after which project discussions were led by local agents. At the joint programs, we made as much use of motion pictures and slide projectors as possible. Some of the pictures that were shown were "Food Makes a Difference", "Growing Small Fruits," "America's Food Supply", "Landscape Slides of Local Work," "Making Craftsman", "Problem Met by Young Couple When they left the City and Went to the farm."

Five 4-H Club members attended the State Short Course which was held in Raleigh last July. Those representing Bladen County were Billy Gibson, and Margaret Fridgen of Elizabethtown, Floyd Hurshey of Dublin, Betty Clark, of Clarkton; and Mary Alice Squires of Council.

Billy Gibson and Joan Davis attended the Wild Life Conservation Camp at Camp Millstone. These club members gave a very favorable report of both the 4-H Short Course and the Wild Life Conservation encampment.

Joan Davis and Radord Cain of White Oak, and Amson represented the county in the Health contest which was held in Lumberton.

The Annual District 4-H Club Federation meeting was held at the White Lake 4-H Camp with representative from Bladen, Robeson, Cumberland

Sampson, Hoke and Harnet counties present. Blanche Stevens of Bladen County gave the address of welcome. Edward Clark, Attorney of Elizabethtown, made the principal address. Reports from each county were made after which a picnic lunch was spread on tables at the lake front. Swimming and boating were enjoyed by all the club members in the afternoon.

The 4-H Club encampment for Bladen County was held in August with 80 club boys and girls and their leaders present.

D. E. Jones, Extension Rural Electrician Specialist from Raleigh, and Floyd Hobbs, Supervisor of the Bladen Forest Lake Area, gave very interesting and educational lectures and demonstrations at each of the morning class periods. Volley and base ball, shuffle board, horse-shoe pitching, badminton, box hockey and darts were some of the games enjoyed by the Club members during the afternoon. After the night vesper services, games of various types and motion pictures were enjoyed by the club members.

A radio broadcast was given over W. P. T. F. from Bladen County during the month of August. Mary Legrand Shaw of Elizabethtown, and Elliot Henry of Kelly presented this broadcast. The title of the broadcast was "Bladen County 4-H Club Camp as a Recreational Center." The history of this camp was given showing the progress made at the camp up until the present time. Bladen County recreational activities with all age groups and organizations, church groups, Recreational Institute, picnics, Home Demonstration clubs, socials, Older Youth Organization, encampments, 4-H and Home Demonstration Federation, meetings are some of the activities that take place at this camp other than the regular 4-H Club encampments that attend during the summer months from various counties over the State. Near the close of the broadcast, the activities that a club boy or girl engage in during a week of 4-H encampment was given.

There was quite a bit of necessary repair work done at the White Lake 4-H Camp during the past summer, such as outside painting of all buildings, underpinning dining hall and cottages, repair of pier and bleachers, ceiling kitchen and painting inside, construction of large 4-H leaf Clover, flag pole and sign at entrance of camp.

A 4-H exhibit was put on at the State Fair and at the Bladenboro Fair. In this exhibit we tried to visualize in a partial way some of the most outstanding activities that a club boy or girl take part in when they attend a week at any of the 4-H camps in the State.

In the exhibit one would see a small miniature lake of water surrounded by long leaf pines and native evergreen shrubs. In the lake were 4-H boys and girls swimming and boating. To either side of the lake was placed a dining hall and cottage for sleeping quarters. In front of the lake a game of volley ball, camp fire scene, flag raising exercises were taking place. Near the front was a motion picture apparatus where ten 8" by 10" enlarged, tinted pictures on translite paper, revolving on an endless belt. Green sawdust was used for grass over the entire exhibit. A number of changes were made in this exhibit at the Bladenboro Fair which improved the exhibit quite a bit.

BLADEN COUNTY 4-H CLUB CAMP AS A RECREATION CENTER

Question: "Elliot, since you have been an active 4-H club member for the past four years, will you discuss briefly the history of the Bladen County 4-H Club Camp?"

Answer: "On August 3, 1921, the county purchased 60 acres of land known as the John Thomas Estate with 240 feet of lake front. September 1, 1925, the County Commissioners met and offered the Extension Agents of Bladen County the use of this property. The Agents of the county decided to develop it into a 4-H Club camp. Dr. R. S. Cronartie, Chairman of the County Board of Commissioners; Mr. W. W. Woodhouse, Superintendent of Bladen County Schools and Mr. Ralph Boring, Cashier of the Bank of Elizabethtown were appointed as trustees. Mrs. Lillie Hester, Home Demonstration Agent, Mr. J. R. Powell, County Agent, thirty five 4-H club members and their leaders met with the trustees and cleared a dense forest down to the lake front. The local Rotary club of Elizabethtown, played a very important part in sponsoring the early progress of the camp. Quite a bit of labor was donated by the people of the county in clearing the grounds and hauling sand."

Question: "Who was the first county group of 4-H boys and girls to attend the camp after it was set into operation?"

Answer: "Lenoir County during the early summer of 1926 under the supervision of Mr. C. M. Brickhouse, County Agent, brought 75 boys and girls to the camp."

Question: "At this point, Elliot, I wish you would tell us how the camp was financed."

Answer: "Funds were secured for the construction of a large dining hall and kitchen, servant's quarters, two bath houses, boys and girls cottages that will accommodate 100 club boys and girls. Since that time, lights and running water have been installed. Another cottage has been built for the Agents and Camp director. The camp indebtedness has practically

been paid off and general improvements been made on the grounds and buildings each year with camp fees."

Question: "What uses are made of the camp other than the 4-H club groups that attend from various counties in the state."

Answer: "District 4-H Federation meeting, Leader training conferences, Home Demonstration organizations, county-wide picnics, church groups and Older Youth organization meetings are of the more outstanding uses that are made of the camp."

Question: "Oh, by the way, Elliot, I have just joined the 4-H Club last year and have never been to a 4-H Club encampment. I understand that you attend the Bladen County 4-H encampment which came to a close yesterday. Will you please tell us about the activities of the camp during the week?"

Answer: "80 club boys and girls, including eight leaders, enjoyed a week of recreation and fun at the camp under the supervision of Mr. Tom Cash, Club Director, Mrs. Lillie Hester, Home Agent, Mr. R. M. Williams, Assistant County Agent. The day's program began with flag raising and setting-up exercises at 6:45 each morning. All the boys and girls who chose went swimming until 7:45 o'clock. Breakfast was served and at 8:00 o'clock each of the four groups-Head, Heart, Hand and Health-were assigned specific duties such as kitchen, cottage or ground policing; food preparation and vesper service. Very educational and interesting class periods from 9:00 until 11:00 o'clock were led by Mr. D. E. Jones, Extension Rural Electrification Specialist from State College, on useful equipment and home appliances that may be brought into the rural homes. Mr. F. H. Hobbs, Local Forester, Administrator of the Bladen Lakes Forest Area, spoke most interestingly of the forest program and activities that are taking place on the five lakes and 40,000 acres of wooded area that he has under his supervision. George Fisher, Jr., Young

medical student in Elizabethtown, taught first aid. Handcrafts were taught by Mrs. Spillie Cain, Assisted by a number of other local leaders. After lunch a rest period was observed from 1:00 to 2:00 o'clock and tours were taken to various places of interest in the county from 2:00 until 4:00 o'clock. From 4:00 until 8:00 swimming and boating were outstanding features of the program"

Question: "What are some of the other games that were played during the day?"

Answer: "Baseball, Volley ball, Horseshoe-pitching, Badminton, Ping Pong, Shuffle Board and Darts are some of the games that most of the camp members enjoyed. Vesper services were held at 7:46 with one of the four camp groups taking charge each night."

Question: "How are the evening programs conducted?"

Answer: "Each evening Mr. Williams showed a series of motion pictures."

Question: "What were these pictures about?"

Answer: "Films of Industries of Alaska, Big Game in the National Forest, How to use your Camera, Elements of Photography and Common Mistakes and their correction in Taking Pictures were of special interest. After the pictures, the remainder of the recreational hour consisted of folk dances, games and contests of various kinds. Each club member had to be in bed with lights out at 10:00 o'clock."

Question: "After attending several 4-H Club encampments, will you tell us what you think the average club member gets from spending a week at camp?"

Answer: "The advantages of being at camp are many. The club boy or girl who applies himself is taught to play and to cooperate with other boys and girls in the various games and activities. A certain amount of poise, coordination, self-reliance, confidence and leadership ability is restored into the club member."

Question: "All that sounds very interesting, Elliot. I am sure that I am going to camp next summer after hearing you tell of the wonderful time and

experiences that you had while at camp."

Question: "How do you think White Lake compares with most beaches as a bathing center?"

Answer: "The water, which is ~~surround~~ surrounded on all sides by large trees over-hanging with beautiful gray, Spanish moss, is as clear as crystal with a white sand bottom that makes it a most ideal spot for holding an encampment."

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

NORTH CAROLINA STATE COLLEGE OF
AGRICULTURE AND ENGINEERING
NORTH CAROLINA COUNTY AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATIVE

EXTENSION SERVICE
HOME DEMONSTRATION WORK



Dear Club Members:

The 4-H District Federation will meet at the 4-H Camp, White Lake, May 30, from 10:30 to 6:00 o'clock.

Edward Clark will be the speaker. Contests, special music and recreation has been planned for the day.

Please register at the Bladen County table when you arrive at the camp.

Invite your parents to come with you and bring a picnic lunch.

Sincerely,

Lillie L. Hester
Lillie L. Hester, Home Agent

R.B. Harper
R.B. Harper, County Agent

R.M. Williams
R.M. Williams, Asst. County Agent

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

NORTH CAROLINA STATE COLLEGE OF
AGRICULTURE AND ENGINEERING
NORTH CAROLINA EXPERIMENT AND
UNITED STATES DEPARTMENT OF
AGRICULTURE

EXTENSION SERVICE
COUNTY AGENT WORK



"Listen Bill"

HOW ABOUT
POSTPONING
OUR FISHING
TRIP THIS MORNING
and Collect ALUMINUM



Elizabethtown, N. C.
August 1, 1941

Dear Club Member:

We are asking the 4-H Club boys and girls of Bladen County to offer their whole hearted support in the National Defense Drive to collect aluminum ware.

At a recent meeting, Mr. James H. Clark, County Chairman of defense work, met with a committee and formulated plans to collect all worn out and surplus aluminum in the county.

Our nation is using up aluminum faster than it is being produced and this is a very important metal in the manufacture of air planes and other vital war materials.

A committee has been appointed in each township in the county to assist with this important drive. We are asking each club member not only to collect the aluminum pots and pans at home, but to contact a number of your neighbors and ask them if they won't make the same donation. After these collections have been made, please turn them over to your committee or carry them to some point in the county where it is being deposited.

Your cooperation in helping to put this defense drive across will certainly be a fine example of how a club boy or girl can put into practice their club motto "To make the Best Better." This will apply equally well in a period of emergency as we are facing today if we hope to maintain and preserve our freedom in a democratic nation.

Yours very truly,

Lillie C. Hester
Mrs. Lillie Hester
Home Demonstration Agent.

R. M. Williams
R. M. Williams
Asst. County Agent.

-31-
COOPERATIVE EXTENSION WORK

IN

AGRICULTURE AND HOME ECONOMICS
BLADEN COUNTY

EXTENSION SERVICE

COUNTY AGENT WORK

NORTH CAROLINA STATE COLLEGE OF
AGRICULTURE AND MECHANICAL ARTS
RURAL HOME ECONOMICS DEPARTMENT
UNITED STATES DEPARTMENT OF
AGRICULTURE

For a BIG Drive in Collecting Aluminum



Elizabethtown, N. C.
August 1, 1941

Dear Executive Committee:

At a meeting which was held in the court house yesterday under the direction of Senator Jas. H. Clark, County Chairman Defense Program, representatives of the various agencies and business concerns in the county completed plans for a drive to collect up all worn out and used aluminum. Our nation is very much in need of all this valuable war material since it is being used up faster in the production of defense materials than it is now being produced.

Several members of a committee have been appointed in each township in the county. Your duties will be to head up the drive in your section of the township.

I would suggest that each of the committee have prepared a small wire bin about four by six feet and have it placed in some public location. This should be under close supervision and possibly the aluminum removed at the end of each day and stored in a safe place. The highway department has agreed to collect the aluminum and take it to a central location.

Your cooperation and support with these defense efforts in a time of emergency as we are facing today will be most worth while. If there is anything that I can do to assist you in any way in the collection of the aluminum drive here in Bladen County, please do not hesitate to call on me.

Yours very truly,

R. M. Williams
R. M. Williams,
Chairman Aluminum Committee

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

NORTH CAROLINA STATE COLLEGE OF
AGRICULTURE AND ENGINEERING
NORTH CAROLINA COUNTIES AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATIVE

EXTENSION SERVICE
COUNTY AGENT WORK

Elizabethton, N. C.
October 17, 1941



MEET YOUR NEIGHBORS
BANQUET AT 4-H CAMP
DATE - OCTOBER 24, 1941
AT 7:30 P.M.

FIFTH DISTRICT FEDERATION OF
SERVICE CLUBS

Bladen, Cumberland, Harnett, Hoke, Robeson,
Johnston Counties

Price of Plate - 50¢

Looking forward with pleasure to seeing you at the
banquet and bring another Club member along with you.

Sincerely,

William H. Hoke
Home Demonstration Agent

W. B. Hoke
Farm Agent

William H. Hoke
Assistant Farm Agent



BLADEN CO

4-H Club

FORESTRY

Seedlings were purchased from the State Nursery for R. O. Campbell near Elkton to set five acres of long leaf pine. Campbell set these trees on five acres of his submarginal land. 2000 Black Locust seedlings were purchased from the State Nursery for L. D. Stout. These trees, when they are grown up, will be used for fence post.

Assistance was given to Mr. Ford Smith near Tar Heel; A. D. Bedsola, C. G. Cain, W. A. Davis, R. L. Scholar of White Oak; Henry Long of Dublin in Timber Stand Improvement. These farmers were shown the trees on their timber stand which should be removed. They have used these trees that were removed in curing tobacco and for fire wood. This is a forestry management practice which we are attempting to get each of our farmers to adopt in order that their timber might be a more profitable source of income from the farm.

On the farm of D. T. Willis, and T. A. Suggs in Bethel Township a cooperative timber demonstration was started in 1937. The C. C. Camp, State Forester Service and the County Agent of the Extension Service cooperated in this demonstration. This timber land was thinned at this time by the C. C. Boys. In November, Mr. R. W. Greaber, Extension Forester visited the project with the County Agent and marked additional trees to come out for pulp wood, this being the fifth year of the demonstration. We regret very much we are unable to include the report of the number of cords of wood taken from this demonstration as it was not completed on December 1st.

Other farmers in the County were given instructions as to how their wooded area should be handled with regard to scaling and the marketing of their timber.

There is a growing demand in Bladen County for Timber Improvement, the farmers realizing that they can harvest a cash income from their timber lands.

HOME BEAUTIFICATION

A Home Beautification leader training school was held in Bladen County during the past year in cooperation with Mr. J. H. Harris, Extension Landscape Specialist. Three Leader training schools were held in the Bladen Theatre where both local slides and pictures that have been taken by Mr. Harris while traveling over the state were shown to interested farm families who are now beautifying their homes. A good representation from all sections of the county attended these meetings. Ten farm families representing practically every community in the county have been chosen by the local agents to do extensive landscape work. Mr. O. P. Hilburn and Buck Gilliam, of Council Mr. J. R. Powell, Mrs. Henry Jessup, Mrs. Alton Rollins, Mrs. J. E. Williams, T. B. Harrelson of Elizabethtown, Mr. E. H. Munroe of Clarkton, Juns Singletary of Bladenboro; E. L. Corbett and Charlie Potter of Kelly are the ten families which have been selected to work with. Mr. Harris has visited each of these homes, made a study and drawn up plans of the arrangement of shrubbery, walks, drives, and any other changes which will be made at these homes. The landscape at these homes, when completed, will be set up as a model and we are hoping that other people in these various communities will adopt these plans and get some helpful suggestions in beautifying their own home grounds. Mr. Harris is going to continue with these leadership training schools in 1942 and we are planning to select 10 other families during the coming year that we will work with as in the above mentioned cases. Pictures have been taken by both Mr. Harris and the local agents of each of these homes and we will continue to take pictures showing the progress being made from year to year.

We feel that this is a very worth while project in Bladen county and we are going to exert every effort possible to assist our farm families

in the improvement of their farm homes in order to make them a more attractive place in which to live.

F. K. Rogers, Charlie Campbell, D. T. Britt of Clarkton; Mac Vann of Elizabethtown; H. L. Bridger of Bladenboro; Cleve Savage of Council; Mrs. Guy Owens of Elkton were given assistance in the landscaping of their home grounds.

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

EXTENSION SERVICE
COUNTY AGENT WORK

NORTH CAROLINA STATE COLLEGE OF
HORTICULTURE AND ENGINEERING
NORTH CAROLINA COUNTY AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATION

HOW CAN I
IMPROVE MY
HOME GROUNDS??



HOME BEAUTIFICATION MEETING

You are requested to attend a landscape meeting Friday morning at 10:30 o'clock in the Theatre at Elizabethtown.

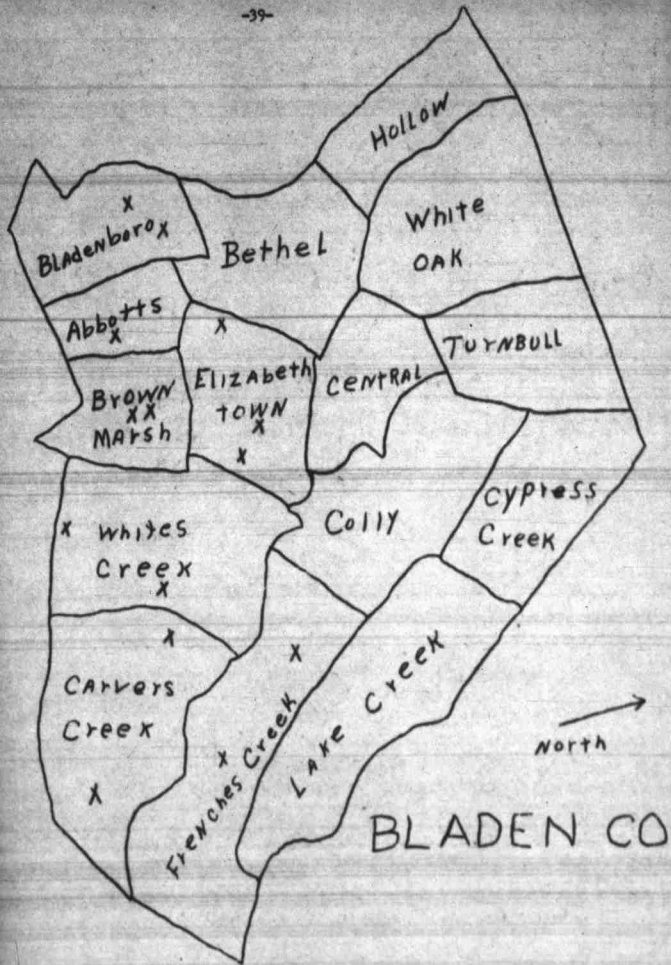
Mr. John Harris, Home Beautification Specialist from State College, Raleigh, will be here to assist with this meeting. He has some very interesting moving pictures in color that will be used in connection with his lecture. Picture slides will also be shown of local landscape work that has been done here in Bladen County.

We are proud of the fact that our county was selected by Mr. Harris to do intensive landscape work in the county this year.

We feel that there is a great need here in our county for more home improvement work to be done. It is hoped that all interested home owners will take advantage of this meeting and get the benefit of what Mr. Harris has to offer.

Yours very truly,

L. L. Hester
L. L. Hester, Home Demonstration Agent
R. B. Harper
R. B. Harper, Asst. County Agent
R. B. Harper
R. B. Harper, County Agent



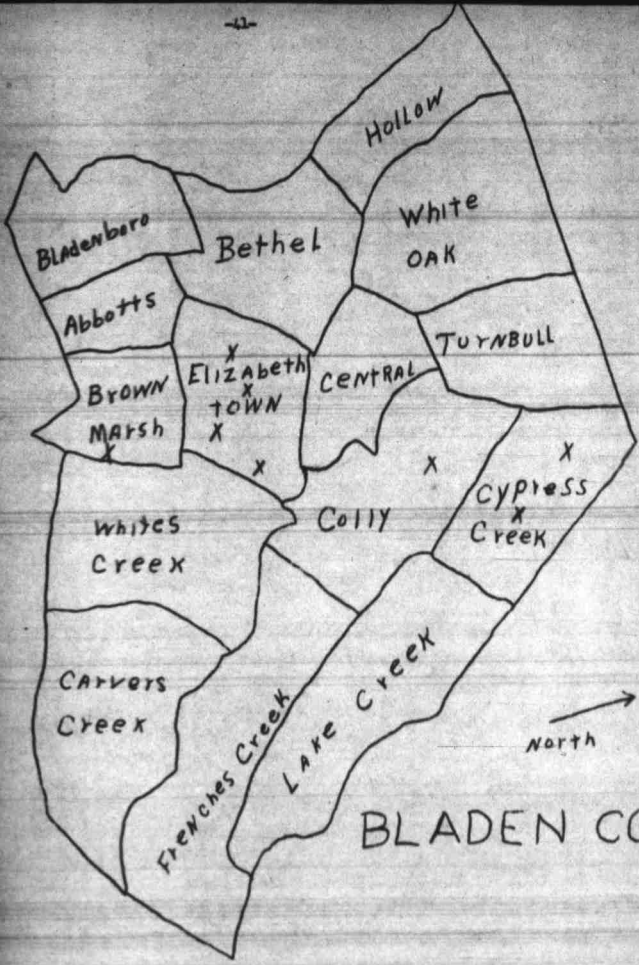
Home Beautification

HORTICULTURE

Pruning demonstrations were held on the farm of A. D. Cromartie near Garland; Henry Jessup, H. M. Clark, Virginia Melvin, Howard Marshburn near Elizabethtown; H. C. Baldwin of Clarkton; W. H. Butler of Dublin, and T. Merritt of Tomahawk. At each of these homes, the owner and those farmers present were given instructions as to the proper method of pruning their home orchards. All dead, diseased, crooked and parallel limbs were removed. Other limbs in addition to the above were removed to give the tree the proper shape and thinned out sufficiently to allow sunlight to enter the tree. This is a very necessary factor in pruning in order to assist in the control of insects and disease. Recommendations were given to a large number of farmers all over the county in the spraying of their home orchards to control insects and disease. The San Jose Scale and Peachtree Borer are two of the worst insects that attack our home orchards.

There has been a noticeable increase in Bladen County this fall in the number of sweet potatoes that have been cured in tobacco barns. By driving the moisture out of the potatoes in this manner, the keeping quality and flavor in the potato is greatly increased. We are encouraging more of our farmers each year, who do not have regular storage houses, to cure their potatoes this way.

A large map, from the aerial photograph, was made of the 14 acre W.P.A. garden and supervision given in the production and fertilization of this garden during the past year. 7000 cans of vegetables and 2000 cans of apples have been canned. These cans will be distributed to the lunch rooms in Bladen County during the present school term for the purpose of feeding all undernourished school children.



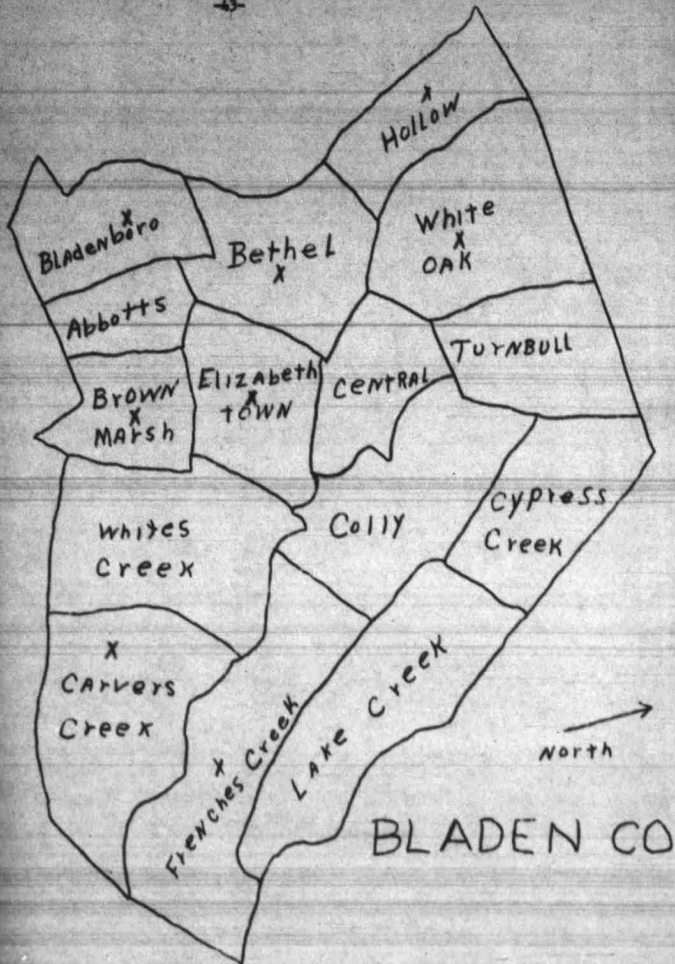
BLADEN CO

Horticulture

LIVESTOCK

1. Livestock Veterinarian Clinic

Mr. L. I. Case, Animal Husbandry Specialist from State College, and J. I. Weeks, Veterinarian from Clinton, cooperated with the local agents in conducting a clinic in Bladen County to treat horses. This clinic was held in nine different communities in the county. These clinics were conducted in Bladenboro, Clarkton, Council, Kelly, Elizabethtown, Dublin, Tar Heel, White Oak, and Abbottsburg, N.C. Fifty-six animals were treated on this clinic for various troubles from club-footedness to warts. Since we do not have a local veterinarian in the county, the farmers reacted very favorably to this clinic. We have scheduled another one in the county to be held in the early part of 1942.



Horse & Mule Clinic

2. Swine Sanitation Demonstration

A. W. Suggs of Dublin, a 4-H club boy cooperated in putting on a swine sanitation demonstration on his farm. The two brood sows that he worked with were cleaned off with warm water and soap just before farrowing and were placed in a clean pasture.

At eight weeks of age, the ten pigs from one of the sows weighed 3½ pounds each. The other sow had seven pigs that weighed 21½ pounds at seven weeks of age. A. W. fed his sow and pigs corn, shipped feed, fish meal and cotton seed meal mixed half and half. He also supplied a mineral consisting of agricultural ground limestone, hardwood ashes and table salt.

E. L. House, John Davis, B. M. Cox, Manley Clark, P. J. Hayes, and H. J. White, all farmers of Bladen county, were assisted in conducting swine sanitation demonstrations on their farms. One of the greatest losses among our pigs is caused from internal parasites. Inasmuch as the price of hogs has advanced, and there is a great demand for more food products, our farmers are being encouraged to take better care of their brood sows by rotating their pastures in order to raise larger litters and grow more feed to take care of the feeding of these hogs.

Leland Barnes near Tar Heel, fed out five hogs on a self feeder. The weight of these hogs was 528 pounds when placed on feed and for the fifty-one days they gained 468 pounds. They weighed at the end of this time 996 pounds. The total feed cost for this period of time was \$28.90. The hogs consumed 100 pounds of fish meal, 300 pounds of soy bean meal and 1456 pounds of corn. They sold for \$106.57, leaving a net profit above the original value and feed cost of \$21.18.

Mr. F. K. Rogers, of Clarkton and Landon Beard of Elizabethtown are now feeding out a bunch of hogs for which records will be available in the near future.

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

EXTENSION SERVICE

NORTH CAROLINA STATE COLLEGE OF
AGRICULTURE AND MECHANICAL
ARTS
NORTH CAROLINA COUNTY AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATIVE

Thrifty Pig Form No. 2
(Revised April 1941)

(Note: This Form to be Completed and
Mailed when pigs are weaned)

Serial No. _____

A. W. Suggs		Bladen		Elizabethtown, N.C.		
Name of Cooperator		County		Post Office Address		
1. No. Sows Included: 2		2. Breed: Poland China				
3. Sow	Date	No. Pigs	No. Pigs	Date	Total Weight	Date Pigs
No.	Farrowed	Farrowed	Weaned	Weaned	Pigs Weaned	Weighed
1.	3/21/41	11	10	5/5	265.5	5/5
2.	3/28/41	9	9	5/5	216	5/5
3.						
4.						
5.						

4. No. Farrowing Houses Built: _____ No. Self feeders Built: Plan #61 1;
Plan 217: _____
5. Boar Pigs Castrated at 7 Weeks old. Pigs Vaccinated for Cholera at _____ Weeks.
6. The Pigs were farrowed on 3 acres cultivated field that had not been used
by hogs for 6 Months.
7. Kind of Crop sown on the above field for grazing: Corn, grass, lespedeza and vetch.
8. Kinds of feeds used were Fish meal, cottonseed meal, tankage, wheat middlings,
shipped stuff and corn.
9. The sows and litters were: (hand fed) hand fed or automatic
10. Mineral Mixture Used was: Gr. Limestone 25 lbs.; Steamed Bone Meal _____ lbs.
Superphosphate _____ lbs. and Salt 5 lbs.

OTHER REMARKS:

R. M. Williams, Agent, Bladen County Agent.



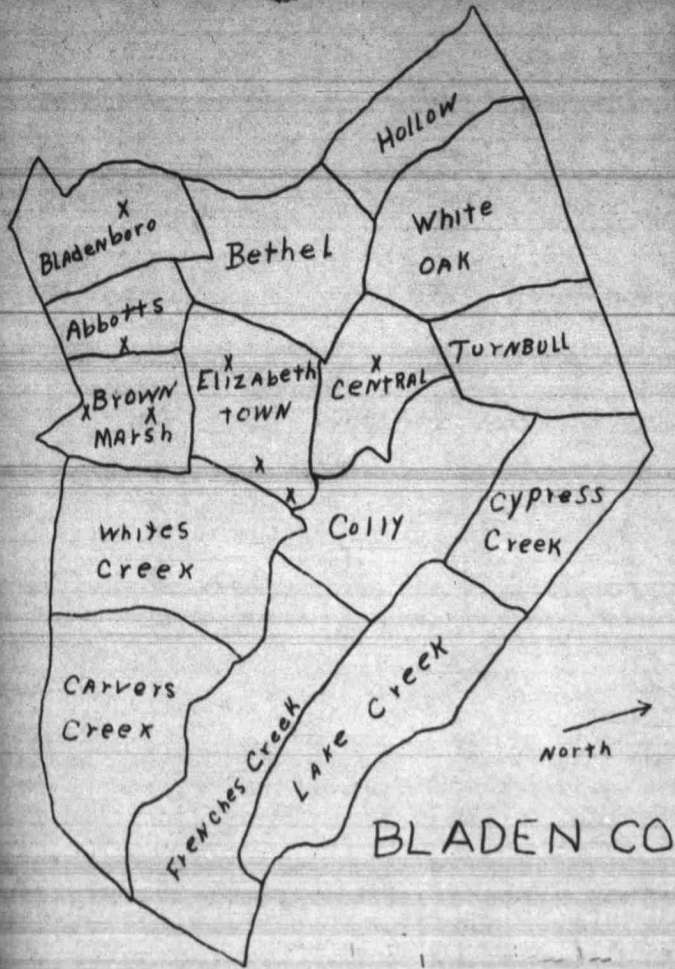
Swine Sanitation Demonstration

3. Dairying

Four new Grade A dairy barns were constructed in the county this past year. Three of these barns were made of concrete blocks and one was made of lumber. These barns all passed the Grade A inspection test and all have modern equipment throughout. A milk route has been established in the county and this milk is being picked up at the farms of J. R. Powell, and V. D. Gibson of Elizabethtown, E. L. Green, L. L. Warner and E. J. Cox, of Clarkton and is delivered to the Cumberland Dairies in Fayetteville daily. We are working trying to get some more farmers interested in the same thing, especially if they have the cows that they are already milking. These farmers are receiving around \$.39 per gallon for their whole milk, and they are paid every Thursday.

Mr. P. J. Hayes, Newton Robinson, B. C. Devane, of Elizabethtown, and Henry Beatty of Tomahawk, are still marketing cream to White's Ice Cream plant in Wilmington. The farmers who have been selling whole milk state that they are getting practically as much from their milk in one week as they did in a whole month when selling cream.

Mr. A. C. Kimsery, Dairy specialist from Raleigh, while visiting these dairymen this Summer, emphasized the importance of producing plenty of home grown feed, especially temporary pastures.



Grade A Dairies

4. Beef Cattle

There has been quite an increased interest in the purchase of beef cattle in the county during the past year. A good number of bulls and heifers have been brought into the county this year. There are six nice herds of cattle on the farms of C. H. Settlemire of Acme, Newton Robinson, J. H. & H. M. Clark of Elizabethtown, H. J. White of Bladenboro, and Charles McHair of Tar Heel. Mr. McHair was recently assisted in the marketing of 40 of his hereford yearlings.

A de-horning demonstration was held on the farm of J. H. Clark where forty steers were de-horned.

In addition to a pure bred Hereford bull and four heifers that have been placed on the farm of Rowland Henry of Kelly, we have assisted him in placing on his farm nine fine sheep.

J. E. Foster Animal Husbandry Specialist from Raleigh, made a beef cattle survey on the farms of J. H. & H. M. Clark of Elizabethtown, and H. J. White of Bladenboro. He covered a number of eastern counties in an effort to study the conditions of Eastern North Carolina so that recommendations might be made with reference to the feeding and handling of the herds that are coming to the Eastern Counties.

There has been quite an increase in the number of good brood mares that have been purchased in the county during the past year. With a fine, young registered jack in the county, we are expecting to gradually produce most all our work stock in the county.

POULTRY

1. Culling Demonstrations

Poultry culling demonstrations were held on the farms of Austin Dove of Tar Heel, Ernest Smith of Elizabethtown and Howard Huffman of Clarkton. At the beginning of these demonstrations, those farmers present, were given a hen and the points to observe in a good and poor layer were pointed out. After a thorough discussion was made as to how and why a flock should be culled, each person present was encouraged to cull a number of birds in order to become familiar with just how it should be done.

2. Chick Sanitation and Broiler Record

U. S. Page of Fayetteville, Route 7 decided that he wanted to raise a few broilers for his summer resort at Page's Lake. After discussing this for a few minutes with the County Agent he decided to visit a poultry house near Goldsboro, in Wayne County where the construction of the house was assisted by the County Agent of Bladen County. Mr. Page then decided to build a brooder house 20 feet deep and 100 feet long, divided into sections to take care of 350 baby chicks at four weeks old. He installed six Lyon electric brooders and brooded 3,332 baby chicks out of 3,400 which he bought, a loss of approximately two per cent and at a cost of .074¢ per chick for the brooding. Feed cost plus cost of the chicks and brooding amounted to 30¢ per chick, this cost including the mortality. For 2,332 broilers they averaged 50¢ per piece or a total receipt of \$1166.00. For 1,000 select pullets at twelve weeks of age he received \$1.00 each at his farm, making a total of \$2166.00 received on the farm, the cost of the chicks \$999.60 or a total of \$1166.40 net profit. We contribute the success of this demonstration to the proper arrangements and construction of the brooder house and the ability to follow the instructions of the County Agent in advising him on the quality of

the chicks and the feed to be used for the demonstration. Mr. Page informed us yesterday that the brooder house cost him approximately \$1,000.00 and he also quoted that last year's poultry enterprise paid him for his poultry house and labor involved in cleaning up the house for another year.

3. Poultry Flock Records

Poultry Flock records were kept by Mr. G. E. Callihan of Eladenboro, Theodosia Hayes of Elizabethtown, Howard Huffman of Clarkton, and Finley Rogers of Clarkton. We had a very good year with these flock owners. Even though the price of eggs did get low during the Spring and Summer, a substantial return above all cost was realized.

Alma Gooden, Mrs. Alton Rollins, and Marvin Daniel are flock owners coming in this year for the first time to keep a record for us. We are trying to help and encourage more of our poultrymen to take a little better care of their flocks in the way of sanitary housing and feeding conditions.

Bladen County poultrymen were well represented at the poultry short course that was held in Lumberton this year. Mr. C. F. Parrish, R. S. Dearstyns, T. T. Brown, and C. F. Maupin very ably discussed the latest development in Research Housing, Breeding, Records, Handling, and Marketing of Poultry. The use of charts and models added greatly to the interest of this meeting.

A good number of blue prints have been furnished from the County Agent's office for the construction of brooder and laying houses.



BLADEN CO

Poultry Flocks Record

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
						cents			cents		
1.9	4.3	10.7	.364	.250	.291	168.08	56.03	.170	18.98	6.33	.019
2.8	4.6	15.5	.377	.250	.291	138.16	46.05	.141	24.94	8.31	.026
4.7	3.2	9.4	.391	.265	.315	251.96	83.99	.264	91.81	30.60	.096
2.6	4.9	5.7	.341	.197	.247	309.82	103.27	.324	141.37	47.12	.148
3.0	4.7	8.0	.471	.180	.289	150.42	75.27	.280	54.05	27.03	.101
3.1	4.7	4.8	.282	.152	.207	173.05	86.53	.332	77.65	38.63	.149
2.8	4.9	4.7	.242	.180	.206	175.25	87.63	.344	78.55	39.28	.154
3.0	4.6	6.1	.289	.220	.247	185.62	97.81	.373	93.77	46.88	.188
3.5	4.8	7.2	.220	.184	.211	106.38	53.19	.245	33.34	16.67	.077
4.2	3.0	6.6	.259	.250	.259	105.43	52.72	.286	48.08	24.04	.131
4.1	2.5	2.8	.300	.290	.292	110.26	55.13	.307	62.01	31.01	.173
4.2	2.8	3.3	.320	.311	.313	99.22	49.61	.309	52.07	26.04	.162
3.2	4.1	7.1			.258	1973.65	70.49	.266	726.74	24.16	.091
38.4	49.2	65.2					845.88	3.192		289.92	1.092

doss.	Total farms	Total Number birds	Birds per farm	Total eggs per month	Eggs per bird	Per Cent production	Total feed Costs	Feed Cost per farm	Feed Costs		Total pounds grain	Total pounds mash
									per doz. eggs comb	per bird cents		
578	3	990	330	6930	7.00	22.6	149.10	49.70	.258	.161	1900	4300
474	3	978	326	6688	6.82	19.4	163.10	54.37	.344	.167	2700	4630
801	3	955	318	9607	10.06	32.5	160.15	53.38	.300	.168	4468	3060
1252	3	957	319	15028	15.70	50.6	168.45	56.15	.256	.176	2634	4680
521	2	537	269	6247	11.63	41.5	96.37	48.19	.185	.179	1634	2880
535	2	521	261	10020	19.23	62.0	95.40	47.70	.114	.183	1534	2480
949	2	510	255	10187	19.97	66.6	96.70	48.35	.114	.190	1450	2500
750	2	496	248	9004	18.08	58.3	91.85	45.93	.122	.194	1500	2300
503	2	434	217	6035	13.91	46.4	73.04	36.62	.146	.188	1600	2100
407	2	368	184	4885	13.27	42.8	57.35	28.68	.141	.186	1560	1100
378	2	359	180	4532	12.62	40.7	48.25	24.13	.128	.134	1460	900
312	2	321	161	3746	11.67	38.9	47.15	23.68	.151	.147	1560	900
Total	28	7428	3069	91909	148.44	522.3	1246.91	534.36		2.016	23600	30460
Average	2.3	619	265	7659	12.37	41.2	103.91	44.53	.163	.168	1883	2338

SERVICE CLUB

The Bladen County Service Club has made a great deal of progress during the past year. The club officials worked out a monthly program which has given a great deal of variety to each of the meetings. Our enrollment of 25 members has been holding its own during the past year. We have secured some very outstanding speakers to appear on our program at most of these meetings.

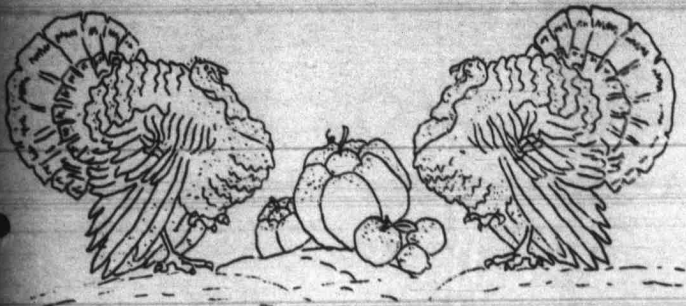
The annual district Service Club banquet was held at White Lake during the month of October. Bladen, Robeson, Hoke, Cumberland, Johnson, and Sampson counties were represented at this banquet. James Monroe, President of the Bladen County Service Club, gave the address of welcome. Miss Francis McGreagor, Assistant State Club Leader, gave the principle address after which games were enjoyed by all those present.

Our August monthly meeting was held at Carolina Beach. Sixteen members enjoyed this outing together.

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

EXTENSION SERVICE
COUNTY AGENT WORK

NORTH CAROLINA STATE COLLEGE OF
AGRICULTURE AND ENGINEERING
NORTH CAROLINA COUNTY AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING



Elizabethtown, N.C.
November 14, 1941

Dear Club Member:

This is to notify you that next Wednesday Night, November 19, is our regular Service Club meeting. Judge Leslie Johnson of Elizabethtown is the principal speaker. The meeting will be held at the Courthouse at 7:30 P.M. Be sure to be present at this meeting and bring along a new club member.

Yours very truly,

Lillie L. Hester
Lillie L. Hester, Home Demonstration
Agent

R. B. Harper
R. B. Harper, County Agent

R. M. Williams
R. M. Williams, Ass't County Agent