

AGRICULTURAL EXTENSION SERVICE

State of NORTH CAROLINA

PLAN OF WORK

1 9 4 0

Period covered December 1, 19 39 to November 30, 19 40  
(Month) (Month)

Name of project: Animal Husbandry (*Buff cattle, Sheep + Hock Stock*)

Covering work to be done by L. I. Case

S. L. Williams

Percentage of time to be devoted to project: Full time (L.I. Case)  
From July 1, 1940 to  
November 30, 1940 (S.L. Williams)

Date submitted: \_\_\_\_\_, 19 \_\_\_\_ . Signed: \_\_\_\_\_  
Project Leader

Date approved: \_\_\_\_\_, 19 \_\_\_\_ . Signed: \_\_\_\_\_  
State Dir. of Ext. Wk.

Date approved: \_\_\_\_\_, 19 \_\_\_\_ . Signed: \_\_\_\_\_  
Director of Ext. Work  
U.S. Department of Agriculture

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PLAN OF WORK  
ANIMAL HUSBANDRY EXTENSION  
NORTH CAROLINA  
FOR  
1940

L. I. CASE  
EXTENSION ANIMAL HUSBANDMAN

<sup>Hand</sup>  
Coordination & Cooperation

~~Coordination~~ with other spec. work  
& cooperation with other agencies.

MEMO TO HONOR

MEMBER OF THE BOARD

ATLANTA, GEORGIA

NOV

1941

MEMO TO HONOR

MEMBER OF THE BOARD

PLAN OF ANIMAL HUSBANDRY WORK

IN

NORTH CAROLINA

1940

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I. The Situation: Beef cattle numbers according to estimates increased about 10,000 head from January first 1938 to the same date in 1939. Statistics show 264,600 head as compared to 255,000 in 1938. At the end of 1939 there is even a greater tendency toward increase than last year and since late summer many car loads and truck loads have been brought in from Alabama, Texas, Virginia, Tennessee and other states. The greatest percentage increase is in Eastern North Carolina where reduction programs in tobacco, cotton and other cash crops have been under way with a corresponding increase in pastures and other feed crops in evidence.

Work stock figures also show an increase as it has for the past several years. Horses increased from 69,000 head in 1938 to 70,000 in 1939 and mules from 305,000 to 310,000 during the same time.

Sheep numbers, contrary to expectations show a continued decrease with 2,000 head less on January 1, 1939 than the previous year.

Some anxiety is felt regarding the wide interest in cattle in Eastern North Carolina. With new men going in at the top of the price cycle there is danger of disappointment when prices go down. Farmers are being warned to go in on a conservative basis being certain that they

have plenty of year around feed for the cattle they purchase. They are also being advised to get their experience with native or grade females and good purebred bulls rather than purebred females.

More and more interest is manifest in animals of better type and quality. Especially is this true in our older established beef cattle and sheep sections and is, we think, largely due to Beef Calf Club work and to cooperative selling of lambs by grade. There is still plenty of room for improvement, however, and the replacing of mediocre bulls and rams with purebred sires of the right type will be one of the aims in 1940.

Registered herds and flocks are being closely worked with in realization of the fact that the better they are the better will be the sires being distributed from them.

Managerial and feeding practices, especially in our newly developing livestock sections, while improving, are still of a low order and emphasis will be placed along these lines. Pastures especially need more attention. Lime and phosphate are almost universally needed, and often potash also, to make our pastures as nutritious and palatable as they should be. More attention to proper pasture plant mixtures and pasture management will be given.

*More Specific*



II. The Problem:

- A. Breeding. Too many common breeding animals in all classes of livestock.
- B. Feeding. Poor pastures. Insufficient winter supply of nourishing feeds. Inadequate knowledge regarding the balancing of rations for both breeding and fattening and work stock.
- C. Management. Indifference and lack of knowledge regarding proper managerial practices with all classes of stock.
- D. Parasites and Diseases. There is a tremendous economic loss due to parasites and diseases among all classes of farm animals.
- E. Marketing. Very little progress has been made in the selling of livestock and wool. The majority are selling to a dealer or trucker who, as a rule, makes a profit that the producer is rightfully entitled to.

III. Solution of The Problem:

- A. Breeding. Replace undesirable breeding stock with well bred animals. This to be done in the main by the more general use of purebred sires of desirable breeding and type and the keeping of the best female offspring. Breeders of registered stock to improve their herds and flocks in order to make available a more desirable type of seed stock for use in commercial breeding establishments. More purebred herds, flocks and studs established on farms that are suitable. Devise ways and means for easier distribution of registered sires. (X)
- B. Feeding. Improve pastures first by making farmers conscious of the fact that pastures are crops that should be treated as such, rather

than just pieces of ground with fences around them. This to be followed by fertilization and or seeding. Also improve pastures by regular clipping of weeds, rational grazing and other improved managerial practices.

Supply adequate winter feeds and see that they are fed to livestock in proper amounts and in balanced rations.

C. Management. Improve practices by making farmers conscious of the economical advantages of same. Control the breeding season with cattle and sheep. Prevent exposure of females at too young an age. Teach proper methods of dehorning, castration, docking, etc.

D. Parasites and Diseases. Prevent disease and parasitic infestation by adequate nutrition, rotation of pastures, and sanitation. Control by means of isolation, sanitation, vaccination and or other treatment.

E. Marketing. Market livestock and livestock products to the best advantage of the producers. Recognize the fact that various local marketing agencies are rendering a service and have a place, yet to eliminate this extra producer expense where practical.

IV. Extension Procedure:

A. Breeding.

1. Herd and flock management demonstrations to teach the value of good type registered sires. Adults.
2. Herd and flock culling demonstrations. Adults and 4-H Club members.
3. Placement of breeding stock through public sales and private purchase. Adults and 4-H Club members.
4. Judging instruction and contests. Adults and 4-H Club members.
5. Hold livestock shows as a means of calling attention to better breeding and individuality. Adults and 4-H Club members.
6. Records of fattening demonstrations and grading demonstrations to show value of better breeding and individuality. Adults and 4-H Club members.
7. Hold field meeting on farms of result demonstrators.
8. Furnish literature in the form of Federal and State bulletins, circulars, circular letters, etc.
9. Prepare articles in regard to demonstrations, sales, meetings, etc.

B. Feeding.

1. Pasture establishment, pasture fertilization, and pasture management demonstrations.\*
2. Crop rotation demonstrations, paying especial attention to supplying sufficient feed for livestock to be wintered.\*

\*To avoid duplication pasture and feed crop projects are outlined by and reported under the head of the Agronomy Department.



3. Demonstration herds to teach the use and value of adequate and properly balanced winter rations. Adults.

4. Demonstrations in fattening cattle for market. Adults and 4-H Club members.

5. Records of fattening demonstrations to compare various rations.

6. Hold shows and field meetings on demonstration farms.

7. Trench silo construction in cooperation with Agricultural Engineering and Dairy Departments.

8. Furnish literature.

9. Prepare articles, circulars, bulletins, etc.

C. Management

1. Demonstration herds as a means of teaching approved managerial practices such as segregation of the sire except during a definitely prearranged breeding season; the protection of young females from too early exposure, etc.

2. Method demonstrations in dehorning, castration, docking, etc.

3. Records of sales ram lambs as compared with wethers.

4. Hold field meetings on farms where demonstration herds and flocks are carried.

5. Furnish literature such as bulletins, circulars, etc.

6. Prepare articles, radio talks, circular letters etc.

D. Parasites and Diseases.

1. Herd and flock management demonstration to cover the nutritional, sanitation and treatment phases of parasite and disease control.\* Adults.

\*In cooperation with Department of Veterinary Medicine and State Veterinarian.

2. Method demonstrations in vaccination and or treatment for prevention of or cure for parasitic infestation.\*

3. Records of percentage of young raised to market age where sanitation or treatment practiced.

4. Community or county wide cooperative treatment for parasites that require the services of a trained veterinarian.\*

5. Prepare articles.

6. Furnish bulletins, pamphlets, circulars, etc. to Extension workers, farmers, 4-H Club members and vocational teachers and students.

E. Marketing

1. Demonstration herds and flocks used as examples of economical marketing methods. Adults.

2. Grading and cooperative selling by grade in case of lambs particularly and with feeder steers where possible. Adults and 4-H Club members. Cooperation Division of Markets.

3. Pooling and cooperative selling of wool. Cooperation Division of Markets.

4. Cooperative auction sales of purebred stock to be conducted where possible.

5. Prepare news articles, circulars, radio talks, etc.

6. Furnish bulletins, circulars, circular letters, etc.

\*In cooperation with Department of Veterinary Medicine and State Veterinarian.

\*In cooperation with <sup>east</sup> office of <sup>and local</sup> State Veterinarians

County Plans Of Work

In order that each county should have a definite plan of work for the year a brief outline of Animal Husbandry Projects was prepared,

Exhibit A. See page 9. This outline does not include work stock projects for several reasons, the main one being that one specialist attempting to cover 100 counties has more than he can do justice to with beef cattle and sheep work. Nevertheless several agents have included work stock projects in their plans and the specialist will assist with them in so far as possible.

This outline was used as a guide when the Animal Husbandry Specialist sat with each county agent and worked out an individual county plan of work for 1940, Exhibit B. See page 11. After these county plans of work were completed they were tabulated and the summary of work planned by districts appear as follows:

Northwestern District Exhibit C	Page 12
Southwestern District Exhibit D	Page 13
Northeastern District Exhibit E	Page 14
Southeastern District Exhibit F	Page 15
Western District Exhibit G	Page 16

AND WORK STOCK - 1941

Exhibit - A OUTLINE OF BEEF CATTLE AND SHEEP WORK, 1940

**BEEF CATTLE PROJECTS**

**A. Herd Management:**

This project consists of the selection of one or more farms where beef cattle are kept and working closely with the owner or manager. Careful attention and guidance should be given in regard to pastures, both winter and summer, as well as all other phases of breeding, feeding, and management. It is suggested that these farms be included on county farm tours and that special meetings be held on them where there is something definite to show in the way of approved practices. Where possible a herd record should be kept in connection with a farm management record.

**A-2 Feeder Calf <sup>Adult or</sup> ~~or Cow and Calf Project.~~ 4-H Club**

This has special application in our mountain counties where the production of feeder cattle is most practical. There are classes for Feeder Calves at the Asheville Show, Western North Carolina Fair and at the State Fair.

**A-3 Beef Bull Placement.**

Plan conservatively for number of registered beef type bulls that can be placed in the county during year and make definite plans to that end. ~~There are many advantages in the placement of bulls through Farm Security Administration loans. Macon County has placed several this way. Ask your F.S.A. representative about the plan.~~

**B. Fattening For Market:**

This refers especially to Piedmont and Eastern sections where cattle should be winter fed for consumption of surplus feeds and the production of manure for soil improvement. Record in detail should be secured using forms especially prepared for that purpose. It is believed that the feeding of cattle for market can be generally recommended on a large number of farms. Cotton farmers, truck farmers, peanut farmers, fruit farmers, and even tobacco farmers will find it practical to feed out some cattle for the manure even if they have to buy part of the feed. A high percentage of the fertilizing value of feeds of all kinds can be retained in the manure. Nothing will build up land as will a liberal application of stable manure.

**B-3 Fattening Project. 4-H Club**

Included under this heading are all individual fattening projects where it is intended to show the steers at the State Fair, Asheville or Rocky Mount. Records should be kept.



**SHEEP PROJECTS**

**C. Flock Management:**

This is similar to the herd management project with cattle. One or more farms where a commercial flock of sheep is kept to be given careful supervision. Attention should be paid to proper feeding the year around, breeding, management, and parasite control. Also proper shearing and tying of the wool. When possible both lambs and wool should be sold cooperatively and the lambs graded. These farms should be included on county farm tours and special meetings held on them when there is something definite to show in the way of approved practices. A record should be kept, on special forms prepared for that purpose.

**C-2. Sheep Club (Market Lambs)**

This is especially applicable in counties where lambs are to be sold cooperatively. A good plan that is being followed in some places is for the club member to feed and manage the entire flock. Records should be kept.

**C-3. Ram Placement.**

Make as close an estimate as possible as to the needs of the county and make definite arrangements to secure rams early. The matter of early arrangements apply especially to Eastern North Carolina where new stud rams should be on farms by June 1st.

**E-3. Grading and Marketing Lambs. (Plans should show number of farmers to be worked with.)**

Plans to be carefully made in advance of the marketing season and lambs graded and sold cooperatively by grade. Farmers who plan to cooperate in this project should be worked with throughout the year as far as possible and guidance given in every phase of market lamb production. See C.

**E-7. Wool Pool. (Plans should show number of farmers to be worked with.)**

This refers to the cooperative marketing of wool. It is believed that more of this work should be done in order to secure a fair price for sheep growers. In addition to the selling of the wool, work should be done at shearing time in demonstrating proper shearing, tying and handling the clip.

**Note:** For other projects which agents wish to include in their plans of work see Monthly Report form for key symbols.



LINE OF WORK Animal Husbandry **ORTH CAROLINA EXTENSION SERVICE** EDGECOMBE COUNTY  
 PLAN OF WORK, 1940

**Exhibit - B**  
 DISTRIBUTION OF TOTAL WORK PLANNED

KEY	TYPE OF WORK PLANNED		TOTAL WORK PLANNED	RESULT DEMONSTRATIONS	DISTRIBUTION OF TOTAL WORK PLANNED												
					DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	
	DESCRIPTION		NO.	NO.													
A-3	Bull Placement	AD.	8		S												C
		4-H			S												
B	Fattening Project	AD.	2						S								
		4-H															
C-3	Ram Placement	AD.	4							S	C						
		4-H															
E-3	Grading & Marketing	AD.	2							S	C						
		4-H	1							S	C						
B-3	4-H Fattening Project	AD.			S												C
		4-H	12	12													
		AD.															
		4-H															
		AD.															
		4-H															

SEE REVERSE SIDE FOR INSTRUCTIONS.

EXTENSION PROCEDURE		TOTAL NO.	DISTRIBUTION											
			DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.
DAYS AGENT(S) TO DEVOTE TO WORK *	AD.	20	1	1	2	4	1	2	2	1	2	2	1	1
	4-H	30	2	2	5	5	1	2	2	3	3	1	2	2
DAYS SPECIALIST TO DEVOTE TO WORK	AD.	2												
	4-H	2												
DAYS LOCAL LEADERS TO ASSIST	AD.													
	4-H													
FARM AND HOME VISITS *	AD.	40	2	2	4	8	2	4	4	2	4	4	2	2
	4-H	60	3	3	6	12	3	6	6	3	6	6	3	3
NEWS ARTICLES *	NO.	5				1	1		1		1		1	1
CIRCULAR LETTERS *	NO.	8				1	1	1	1		1	1	1	1
MEETINGS PLANNED	METHOD DEMONSTRATION *	NO.												
	RESULT DEMONSTRATION *	NO.												
	OTHER	NO.												
RESULT DEMONSTRATION RECORDS TO SECURE *	NO.	12												12
TOURS	NO.													1

## INSTRUCTIONS

Make at least 3 copies, one for specialist, one for district agent and one for county agent.

Under column headed "KEY", use the key numbers from the monthly reports. Example: In dairying, "C 3" would represent Jersey bulls to be placed.

Under the column headed "TOTAL WORK PLANNED", enter the total number of units planned for the year. Example: A total of 40 listed on the adult line and 10 on the 4-H club line would represent a total of 50 Jersey bulls to be placed in the county during the year.

Figures entered under the column headed "RESULT DEMONSTRATIONS" represent that part of "TOTAL WORK PLANNED" for which result demonstrations will be conducted, records secured and other teaching methods employed necessary to the result demonstration. Example: 40 Jersey bulls are to be placed with adults in the county but only 5 are to be used as adult result demonstrations with performance records, meetings, etc. The 5 should be listed under the column headed "RESULT DEMONSTRATIONS". (All 4-H club projects are result demonstrations.)

The "TOTAL WORK PLANNED" and "RESULT DEMONSTRATIONS" planned must be distributed by months and a separation of the two shown. Example: 12 Jersey bulls are to be placed in April with no performance records planned and in addition 2 Jersey bulls are to be placed for result demonstrations with records, "12 S2" should be entered under April. Substitute "C" for "S" to show completions. Use "S" under December and "C" under November to designate result demonstrations conducted for several continuous years with the number of such demonstrations written to the right of the letter. A record must be obtained sometime during the year on such demonstrations.

### EXTENSION PROCEDURE

Totals for the year's work must be entered under the column headed "TOTAL NUMBER", and distributed by months for all activities.

The lines with an asterisk (\*) must be keyed by months. Example: If 5 days in April are planned for Jersey bull placement work, "C3-5" should be entered under April and the same followed for other lines marked with an asterisk. If for two or more months an identical system of work is planned, the indication may be made by a line through the blocks under the months involved.

The total of the distribution by months must equal the figures under the column headed "TOTAL NUMBER".



Exhibit - C

ANIMAL HUSBANDRY

Northwestern District

O.F. McCrary, District Agent

1940 PLAN OF WORK

	Herd Management	Feeder Calf	Bull Placement	Fattening for Market	4-H Fattening	Flock Management	Sheep Club	Ram Placement	Marketing Lambs	Wool Pool	Days Agent will work	Farm Visits	News Articles	Circular Letters	Method Meetings	Result Meetings	Records to Secure	
Alamance	1	2				2					12	16	2				4	4
Caswell	1										2	12						
Chatham			5					2		1	12	40	3		1	1		
Davidson	1	1						1		1	5	24	3					1
Durham	4	2	4	2				1			16	41	2		2	6		5
Forsyth	6	3		3	2	2	3				10	42	6			5		5
Franklin		2		4	3	1					15	52	4	4	2			2
Granville		3	1					2			12	37	6	2	1	1		1
Gulford	2	4				1					15	16	16	1		1		1
Orange	4	4	2								12	48	3			2		2
Person						1		2			5	20	2	2	1			1
Randolph																		
Rockingham	1					1					6	24	2			1		1
Stokes	2	1									15	44			1			
Surry	2	2									24	60	2					
Vance		2						2	1	1	16	36	1	1				
Wake											12		2					
Warren		4	2			3					12	31	3	3	2	3		3
Wilkes		6	6	4	3						15	40	6	2				3
Yadkin	2					2					8	44	1	1		2		2
Total	26	6	41	13	12	17	3	15	1	3	224	627	64	16	10	26		38

Exhibit - D

ANIMAL HUSBANDRY

Southwestern District  
L.B. Altman, District Agent

1940 PLAN OF WORK

	Herd Management	Feeder Calf	Bull Placement	Pattening for Market	4-H Fattening	Flock Management	Sheep Club	Ram Placement	Marketing Lambs	Wool Pool	Days Agent will work	Farm Visits	News Articles	Circular Letters	Method Meetings	Result Meetings	Records to Secure
Alexander	1		2								6	18	1	1			
Anson	4		2	1	4			2			24	72	3	3			5
Cabarrus	2					1					8	20	3		2		1
Caldwell	3				10						21	74	5	4	3	1	10
Catawba	4			2							5	12	2				2
Cleveland	6			1	4	1					18	36	3				6
Davie	3			1	3						21	57	3				4
Gaston	15										10	30	2	2			
Iredell	4			4	2	3		8			24	70	4	3		3	8
Lee	1										4	16					1
Lincoln	10			4	5						26	82	2				5
Mecklenburg	12		4	2	2	4		1			5	26	5	2			8
Montgomery	8		4								6	24	2	1			
Moore	2					2				1	6	24	3				2
Polk						1					7	25	7	2			1
Richmond	2										3	10					
Rowan	3				5	1					14	42					8
Rutherford	3					1					7	15	2				1
Stanly	2		2	2		2					6	21	1	1			4
Union	2					2					14	30	4				2
Total	87		14	17	35	18	11		1	233	704	52	19	5	4		69



Exhibit - E

ANIMAL HUSBANDRY

Northeastern District

B. Troy Ferguson, Dist. Agent

1940 PLAN OF WORK

	Herd Management	Feeder Calf	Bull Placement	Patterning for Market	4-H Fattening	Flock Management	Sheep Club	Ram Placement	Marketing Lambs	Wool Pool	Days Agent will Work	Farm Visits	News Articles	Circular Letters	Method Meetings	Result Meetings	Records to Secure
Beaufort	4	3	1	1	3						15	38	3	4	1	1	5
Bertie			2					2			9	18			1		1
Camden			3			4		3	5		18	33	3	4			4
Chowan									2		10	20					
Currituck			4	1		5			5		15	45					2
Dare								1			2	4					
Edgecombe			8	2	12			4	3		50	100	5	8			12
Gates	4				2	3					6	14	2				
Greene	3				5	1					12	48					6
Halifax	4		5			2		5	5		24	48	2	2			2
Hertford	2		1								3	12					
Hyde	13		5			25		5	2	1	25	58	4	4	3		2
Martin			3	10	3				1		16	48					12
Nash	3		8	40	6			2	1	1	38	101	16	8	2		6
Northampton	5					3		2			24	35	4				
Pasquotank			2			4		6	2	8	8	32	5	5	2		4
Perquimans						2							1	1	2		2
Pitt																	
Tyrrell	2		2			4		5	2	1	18	50	7	3	4		4
Washington	5		6			11		15	2	1	40	105	7	3	4		6
Wilson	8					6					10	25	2		2		
Total	53		52	54	28	73		50	30	12	343	834	61	42	21	1	68



Exhibit - F

ANIMAL HUSBANDRY  
1940 PLAN OF WORK

Southeastern District  
C.M. Brickhouse, Dist. Agent

	Herd Management	Feeder Calf	Bull Placement	Fattening for Market	4-H Fattening	Flock Management	Sheep Club	Ram Placement	Marketing Lambs	Wool Pool	Days Agent will Work	Farm Visits	News Articles	Circular Letters	Method Meetings	Result Meetings	Records to Secure
Bladen			6								20	60	2				
Brunswick	2		3								8	38	1				
Carteret	2		2					1		1	6	24	3				
Columbus	20		40								40	120	6	3			
Craven	3		2			2		1	2		12	41	2	2			2
Cumberland	6			1	3	1					25	100	3				5
Duplin	6		2			5		1			8	22	1		2		1
Harnett	5		3			1		1			20	60	4	2			1
Hoke	6		1	2							7	19	2	1			2
Johnston	7		5	4	5						20	65	9	7	1	1	9
Jones	1		1			6			6		3	12	3		2		2
Lenoir	2		1			3		2			19	57	5	2	2		2
New Hanover																	
Onslow	6		3	3		4			6		13	39	6	1			6
Panlico	5		1			4			4		6	10	3		2		3
Pender	7		3			5					8	25	3	4		1	3
Robeson	4		3	14	2						13	49					4
Sampson	1					5		1			6	20	6	2	2	2	1
Scotland	2										2	10					
Wayne	3		1	3							8	33	3				
Total	88		77	23	9	41		7	18	1	244	804	62	24	11	4	41

Exhibit - C

ANIMAL HUSBANDRY  
1940 PLAN OF WORK

Western District  
F. S. Sloan, District Agent

	Herd Management	Feeder Calf	Bull Placement	Fattening for Market	4-H Fattening	Flock Management	Sheep Club	Ram Placement	Marketing Lambs	Wool Pool	Days Agent will Work	Farm Visits	News Articles	Circular Letters	Method Meetings	Result Meetings	Records to Secure
Allegheny	2		4		8	1	10	100	150	53	140	8	5	2			9
Ashe			2		10	2	6	6	200	100	50	300	10	15	18	4	20
Avery		10	48				2			45	43	79	11	4			30
Buncombe		4	10		12		4	6			40	109	5	2			21
Burke	1										2	2	1				
Clay			12			4					12	30	2				2
Cherokee	4	6	5	2	7						25	130	6	1			19
Graham	3	2	2					1			44	115	3	2			2
Haywood		20	10		17		5	15	15	60	105	9	10	1	3	37	
Henderson			2		4					8	32	4	3				4
Jackson	1	8	4		3					32	116	5	2		1	16	
Macon		6	2		2					20	60	2					8
Madison	4	14	6		3	6	3			40	245	3	2				13
McDowell			2							8	40	2					
Mitchell	4	5	10		5	4		30	30	50	178	6	6	7			17
Swain			2							12	25	1		4			
Transylvania	5	6	2		6					36	70	2	1	2	1	6	
Watauga	15	5	12		20	12	20	250	400	81	314	16	11				35
Yancey	10	6	4				3		40	26	86	5	3		1	6	
Total	49	92	139	2	97	29	8	52	601	780	642	2176	101	67	34	10	245

Part in Goals, Objectives + accomplishment

GOALS AND SUMMARY

A summary of work planned for 1940 shows the following numerical results expected:

Herd Management Demonstrations	303	- 322
Beef Type Bulls to be placed	323	- 329
Cattle Fattening Demonstrations	109	- 92
Four-H Fattening Projects	181	- 294
Feeder Galf Projects	98	- 95
Flock Management Demonstrations	178	- 139
Rams to be placed	135	- 123
Number of Farmers to Grade and Sell Lambs Cooperatively	650	473
Number of Farmers to Sell Wool Cooperatively	797	- 662
Sheep Club Projects	11	- 17

A resume of other statistical data concerning the County Plans of Work show the following:

Days Agent to devote to Animal Husbandry Work	1686
Days Specialist to spend in field assisting agents	106
Farm Visits to be made by County Agents	5145
Animal Husbandry news articles	340
Animal Husbandry circular letters	168
Method Meetings Animal Husbandry projects	81
Result Meetings Animal Husbandry Projects	45
Records to secure	461



18 - *has been or will*  
*this should be* to be prepared during year

Literature and Illustrative Material to be Used.

1. Feeding Cattle For Market, North Carolina. Bul. No. 217
  2. Instructions in Baby Beef Production For 4-H Club Members.
  3. Beef Cattle Production in The Blackland Area of North Carolina. Bul. No. 310
  4. Beef Production on the Farm. U.S.D.A. Bul. No. 1592
  5. Breeds Of Beef Cattle. U.S.D.A. Bul. No. 612
  6. Cattle Lice and How to Eradicate Them. U.S.D.A. Bul. No. 909
  7. Pastures In North Carolina. Extension Circular No. 202
  8. Silage And The Trench Silo. Extension Circular No. 201
  9. Feed-Lot And Ranch Equipment for Beef Cattle. U.S.D.A. Bul. No. 1584
  10. Dehorning, Castrating, Branding, and Marking Beef Cattle. U.S.D.A. Bul.No.1600
  11. A Handbook for Better Feeding of Livestock. U.S.D.A. Miscellaneous Circular 12
  12. Market Lamb Production in Virginia. Bul. No. 109
  13. Sanitation as a Method of Controlling Stomach Worms in Lambs. Bul. No. 287
  14. Farm Sheep Raising For Beginners. U.S.D.A. Bul. No. 840
  15. The Sheep-Killing Dog. U.S.D.A. Bul. 935
  16. Stomach Worm Treatment For Sheep (N.C. Circular)
  17. Approved and Objectionable Twine For Tying Fleeces. U.S.D.A.
  18. Storing Wool. U.S.D.A.
  19. Technical Terms Of The Wool Market. U.S.D.A. Reprinted March 1935
  20. Horse-Breeding Suggestions For Farmers. U.S.D.A. Bul. No. 803
  21. Mule Production. U.S.D.A. Bul. No. 1341
  22. Feeding Horses. U.S.D.A. Bul. No. 1030
- Charts as follows: Slaughter Lambs U.S. Grades. U.S. Grades of  
Feeder Steers. U.S. Grades of Slaughter Steers. U.S. Grades of Slaughter  
Heifers. U.S. Grades of Slaughter Cows.

### Methods of Measuring Results

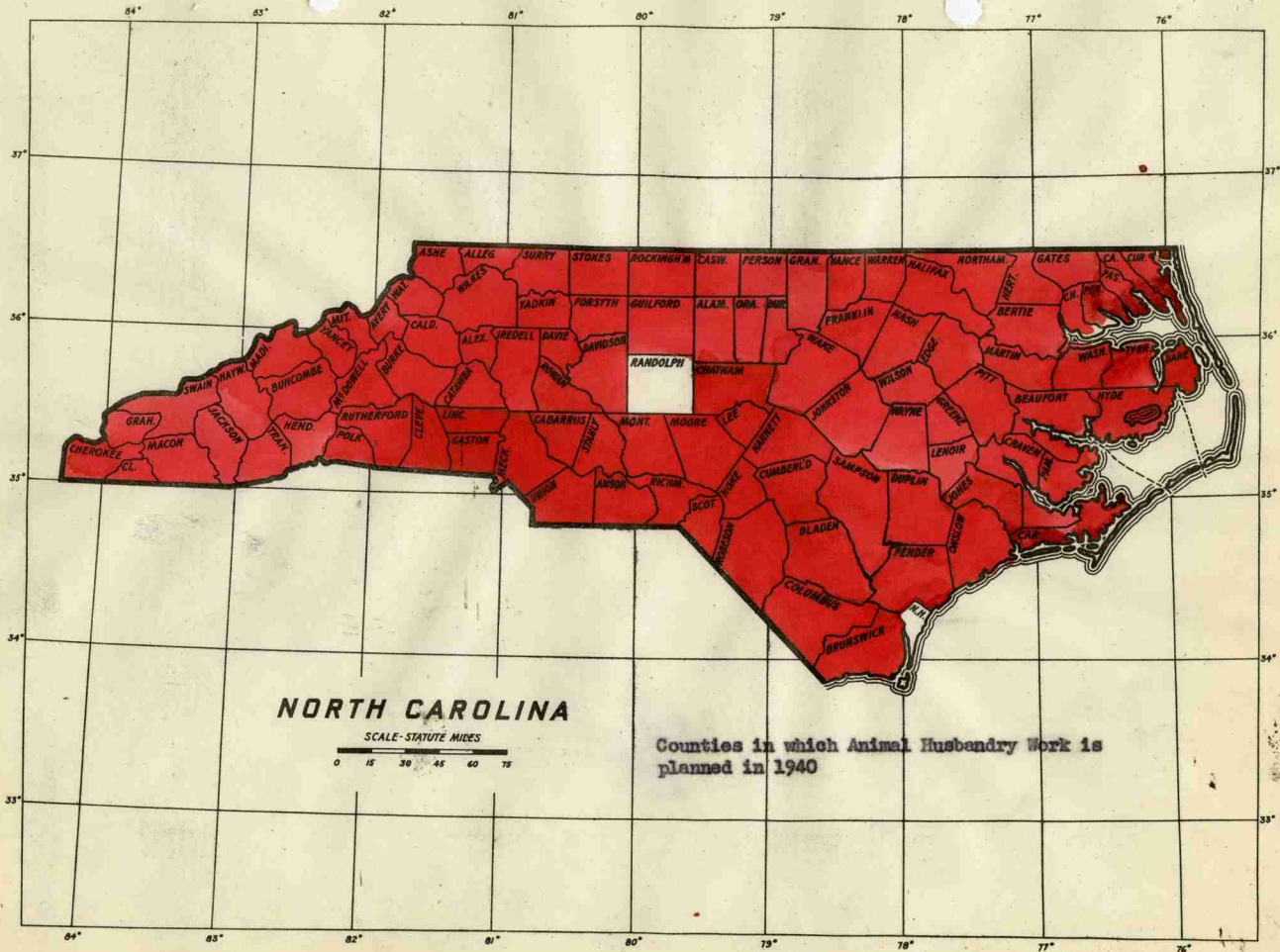
1. Number of Herd Management Demonstrations.
2. Number of Flock Management Demonstrations.
3. Number of Registered Bulls Placed.
4. Number of Registered Rams placed.
5. Number of Registered Stallions or Jacks placed.
6. Number of Purebred or High Grade Cows or Heifers placed.
7. Number of Purebred or High Grade Ewes Placed.
8. Number of Purebred or High Grade Mares placed.
9. Number of pasture demonstrations.
  - a. New pastures established.
  - b. Fertilization.
  - c. Management.
  - d. Annual pastures.
10. Number of farmers assisted in growing feed for winter feeding.
  - a. Harvested feeds.
  - b. Velvet beans for winter grazing.
  - c. Cover crops for winter grazing.
11. Number adult cattle fattening demonstrations carried out.
12. Number 4-H Club steer fattening demonstrations completed.
13. Number 4-H Club feeder steer projects completed.
14. Number of silos constructed on beef cattle or sheep farms.
15. Number of farmers following parasite or disease control recommendations.
16. Number of lambs graded by U. S. Standard Grade and shipped cooperatively.
17. Number of pounds of wool sold cooperatively.
18. Number of feeder steers purchased by U.S. Standard Grade.



CALENDAR OF ANIMAL HUSBANDRY WORK - 1940

	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
<b>BEEF CATTLE PROJECTS</b>												
A. Herd Management	/	/	/	/	/	/	/	/	/	/	/	/
B. Beef Bull Placm't	/	/	/	////	////////	////////	////////	/	/	/	/	/
C. Fattening for Mkt.	////////	////////	////////	////////	////				////////	////////	////////	////////
D. Fattening Project		////////	////////	////	////	////	////	////	////	////////	////////	////
E. Feeder Calf or Cow & Calf Projt.					////////	////////	////	////	////	////////	////////	////
<b>SHEEP PROJECTS</b>												
F. Flock Management	/	/	/	/	/	/	/	/	/	/	/	/
G. Ram Placement							////////	////////	////			
H. Grading and Marketing Lambs		////	////	////	////	////	////	////	////////	////////	////////	////
I. Wool Pool				////////	////////	////////	////////	////				
J. Sheep Club		////////	////////	////	////	////	////	////	////////	////////	////	

Legend - ////////// Intensive work      // // // // // Less intensive, etc.

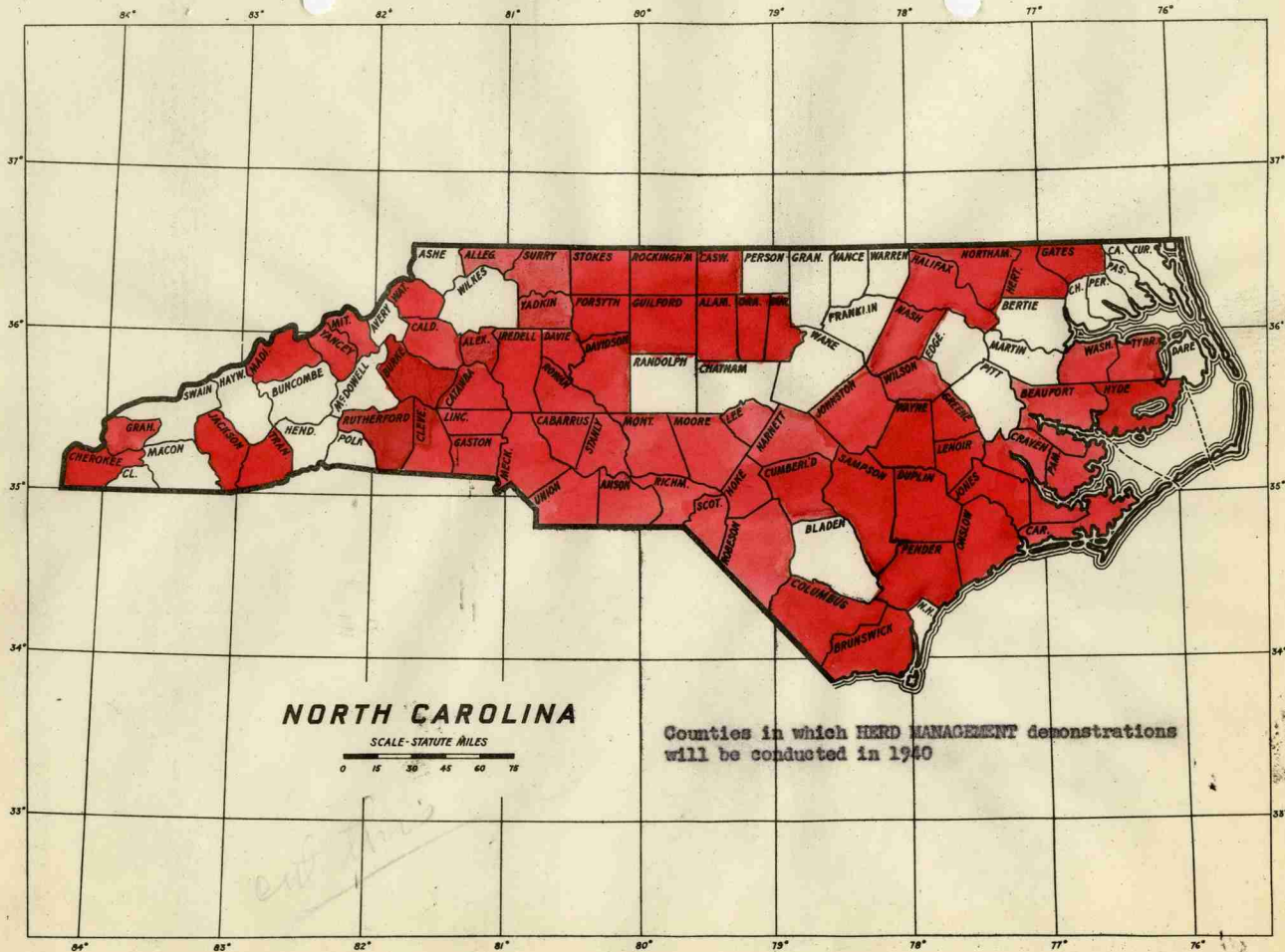


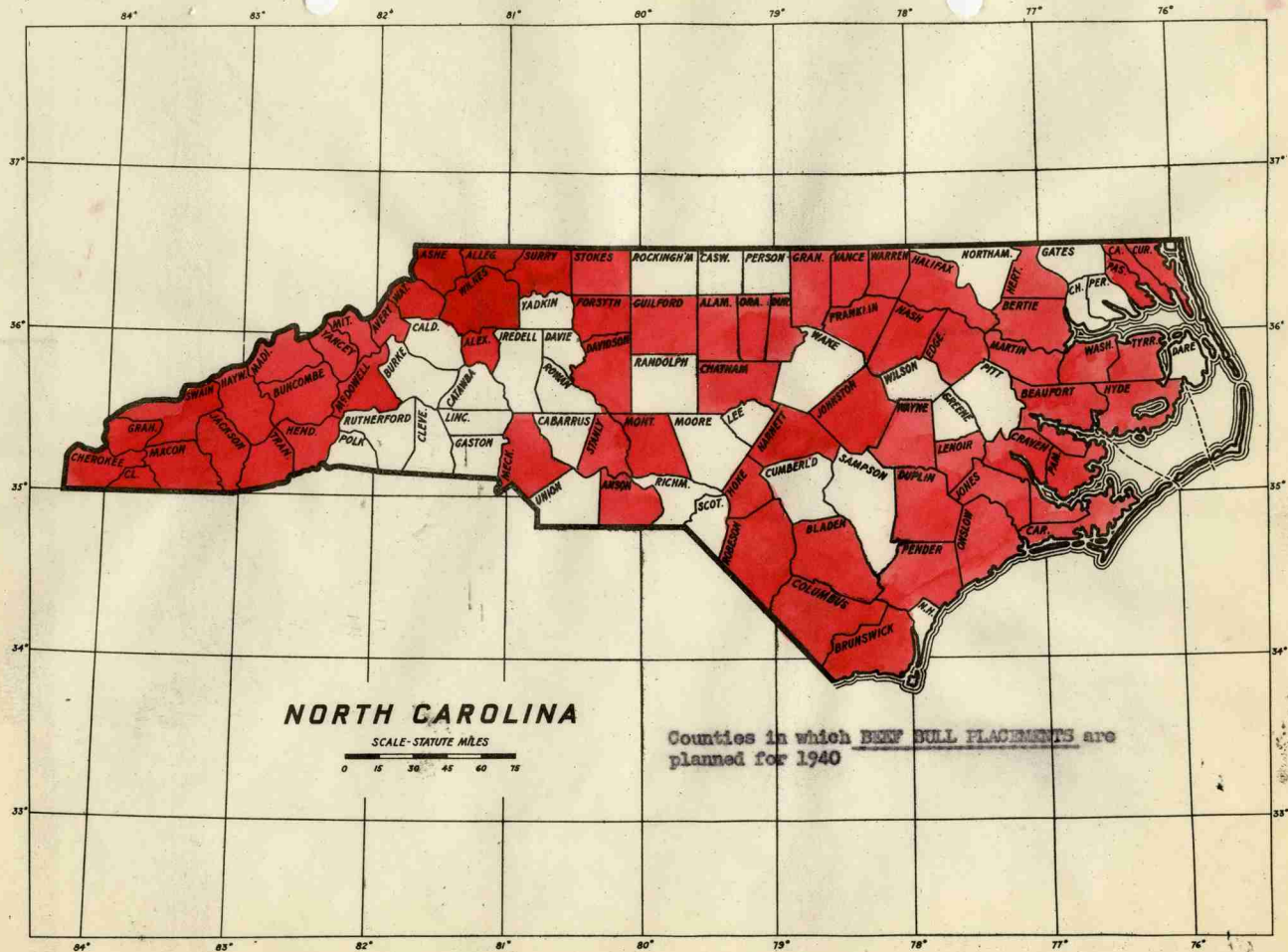
**NORTH CAROLINA**

SCALE - STATUTE MILES

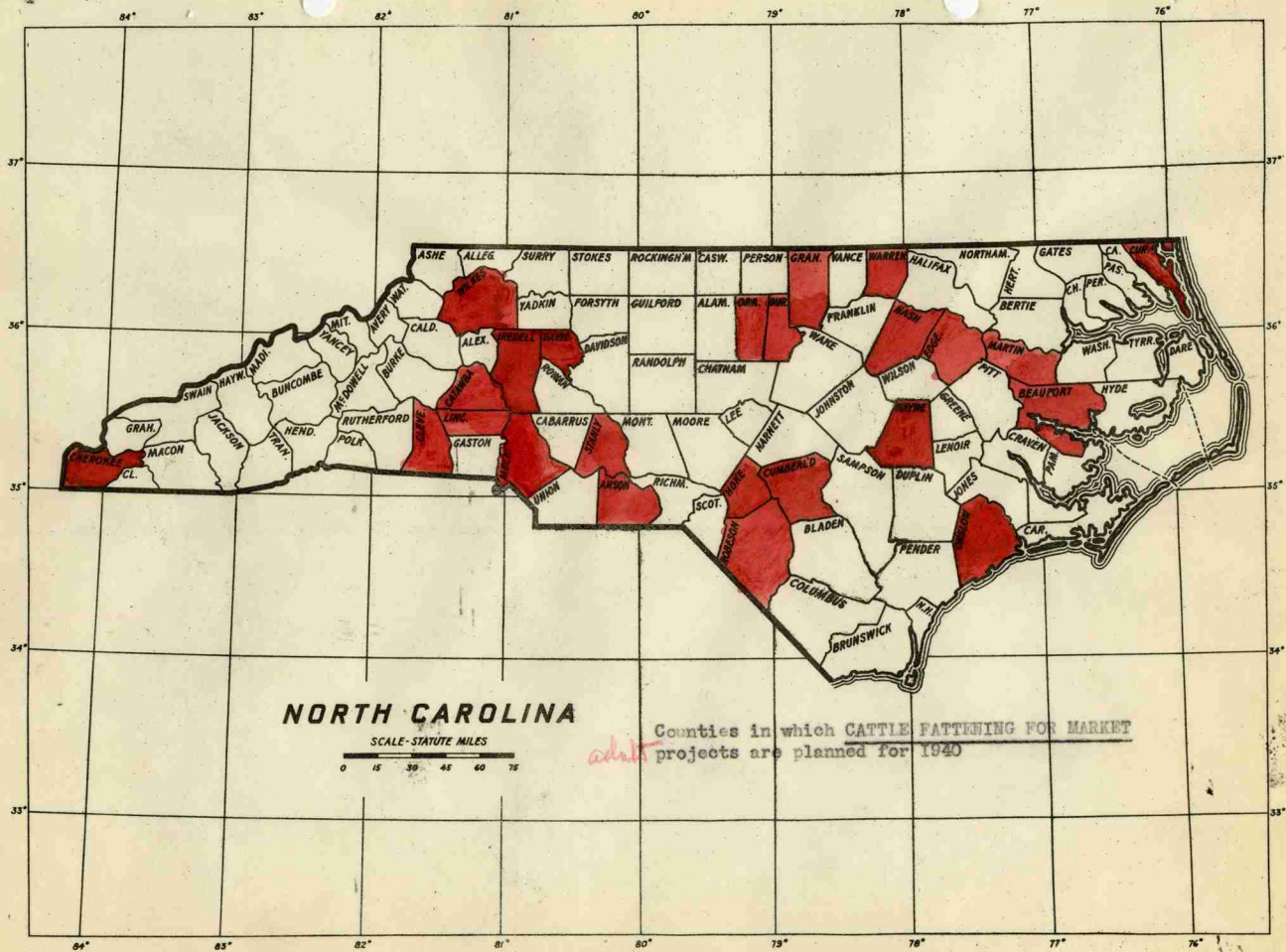
0 15 30 45 60 75

Counties in which Animal Husbandry Work is planned in 1940



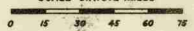






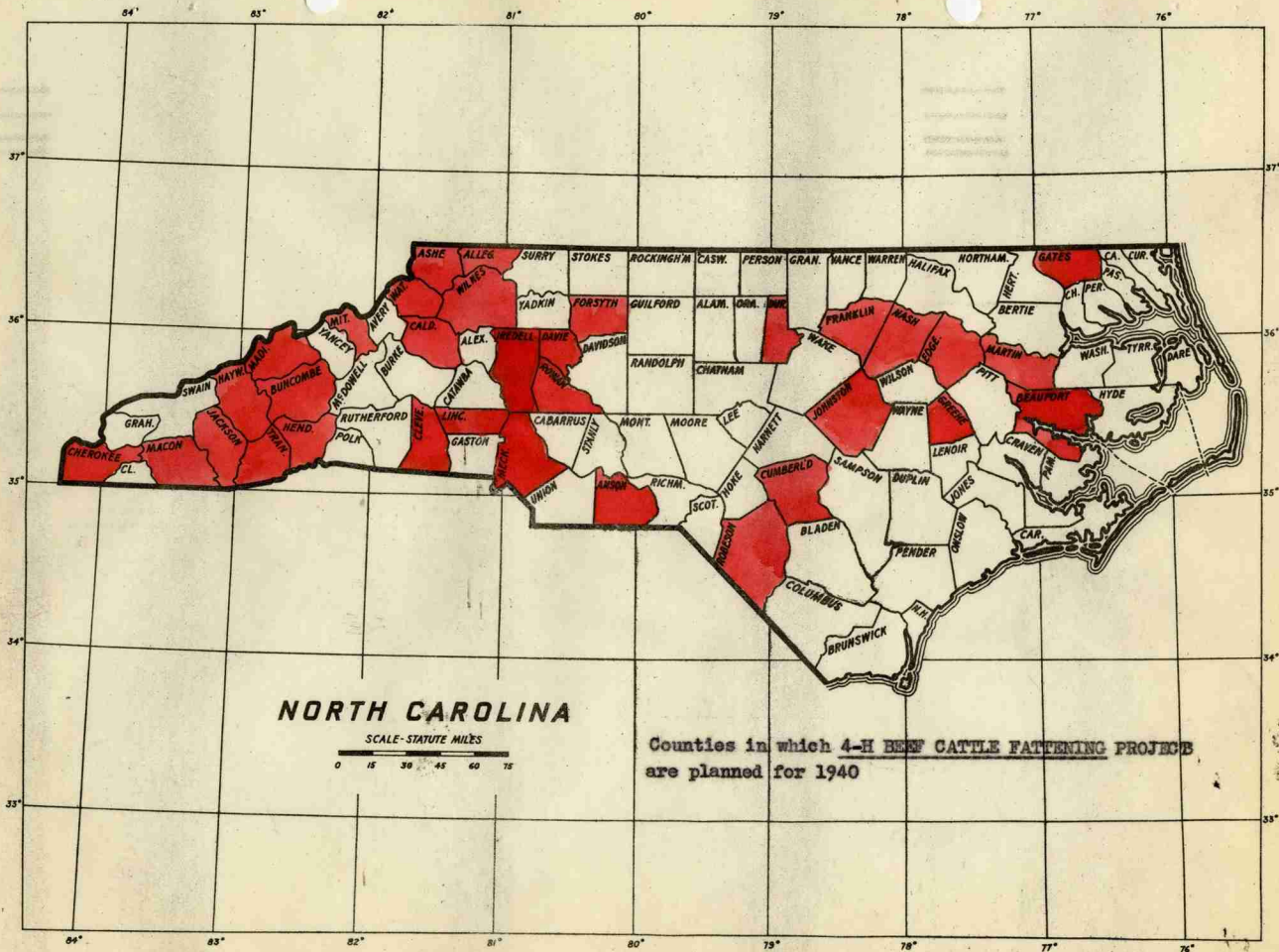
**NORTH CAROLINA**

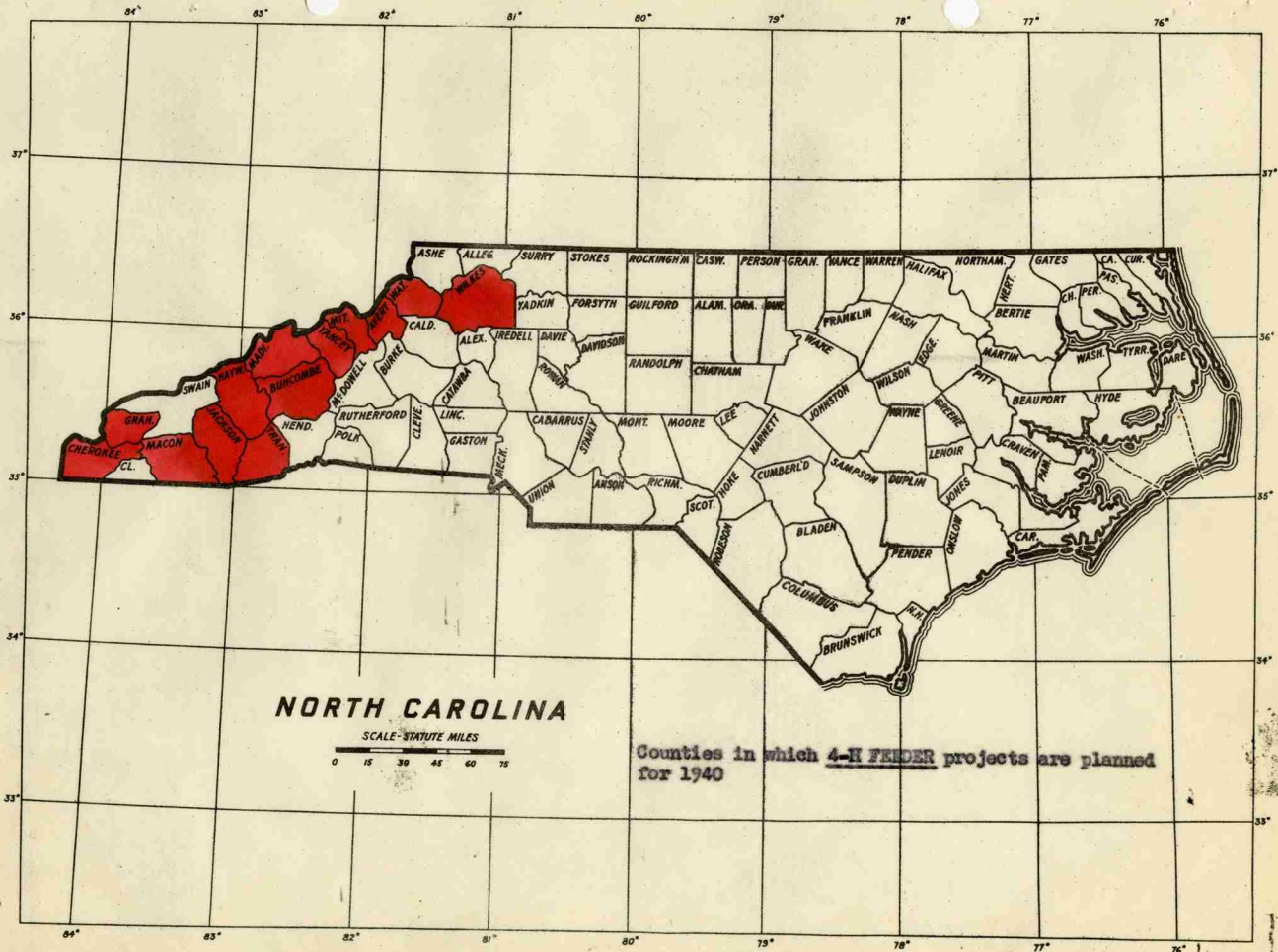
SCALE - STATUTE MILES

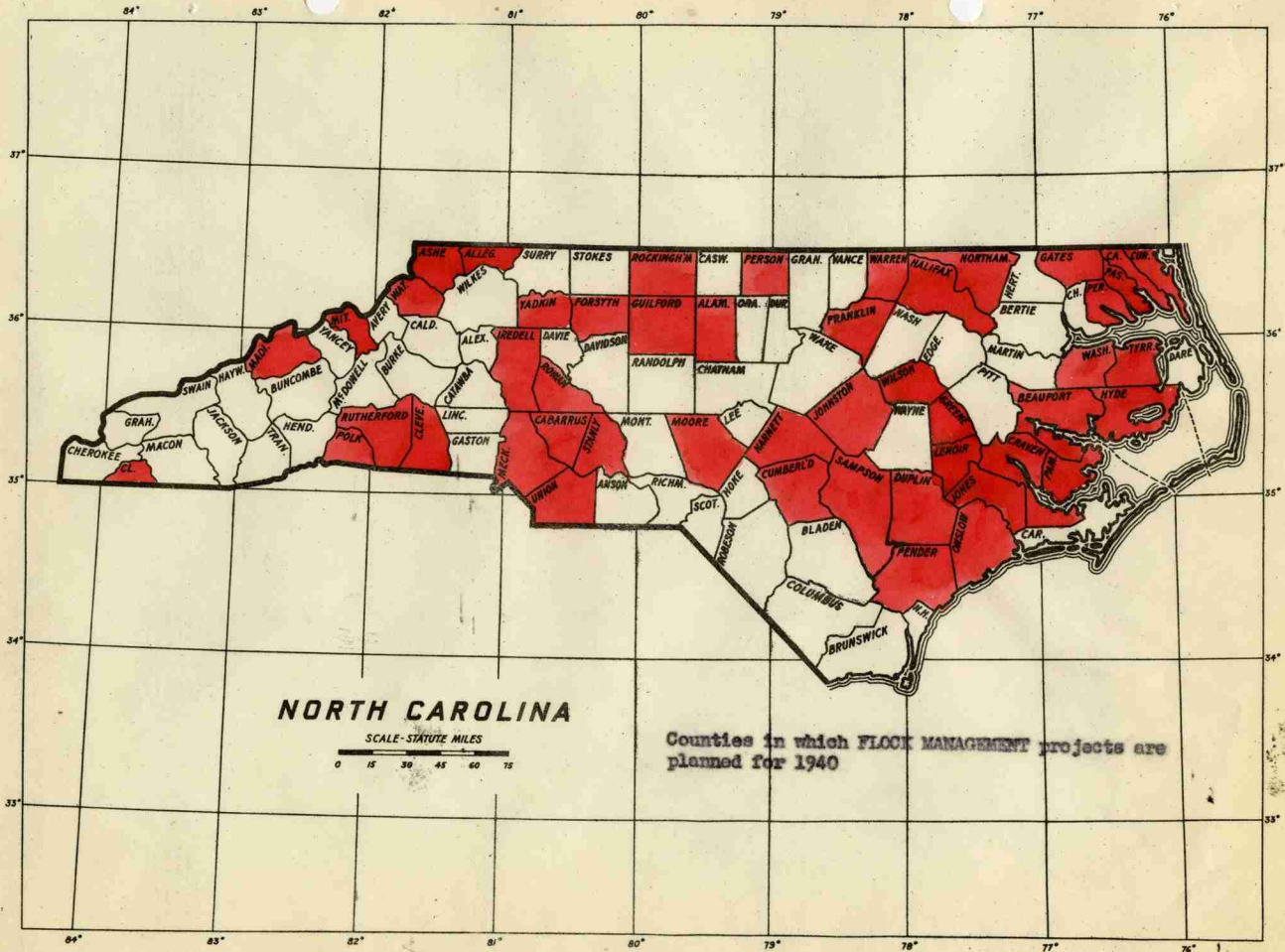


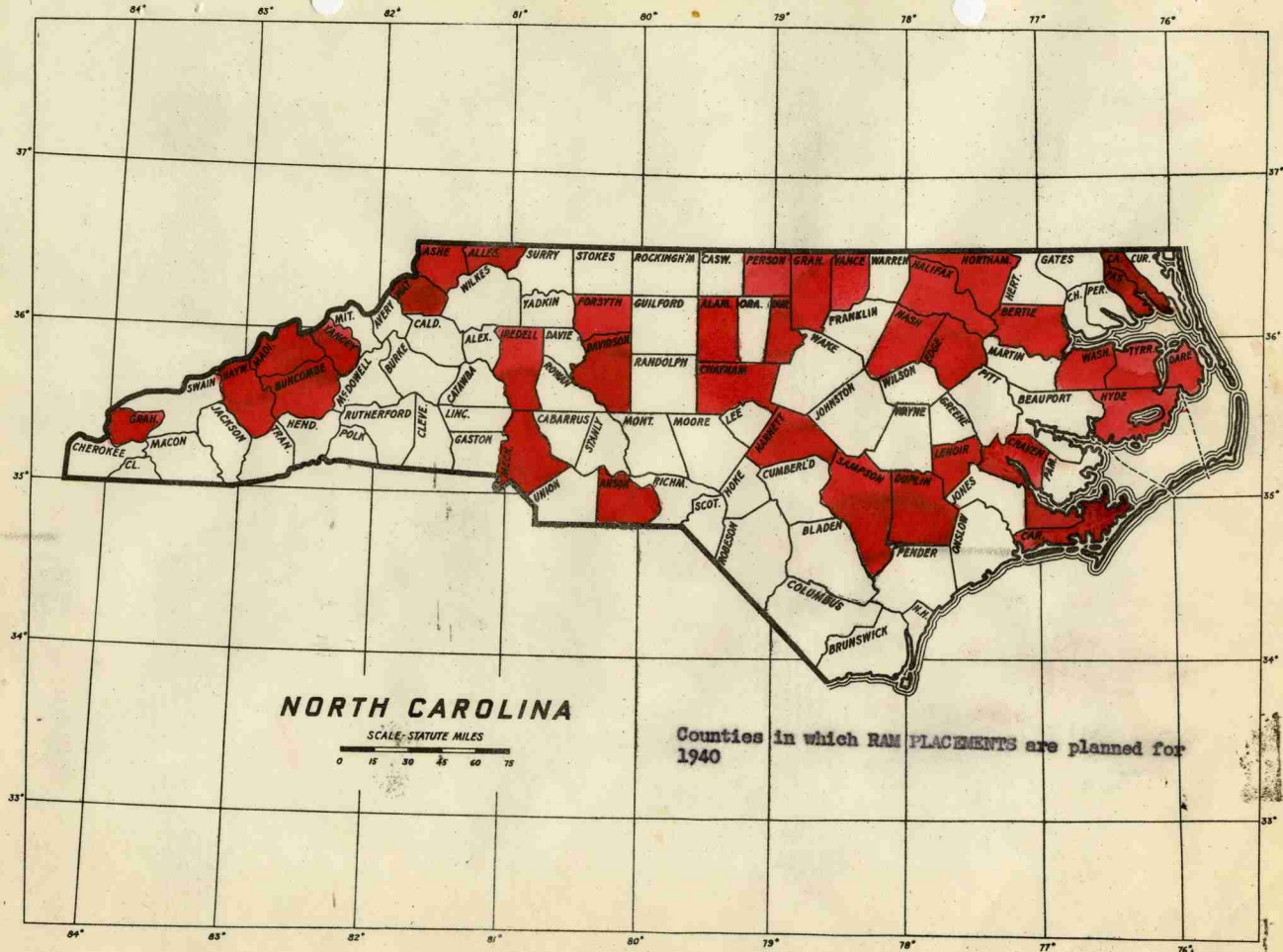
*adult* Counties in which CATTLE FATTENING FOR MARKET projects are planned for 1940



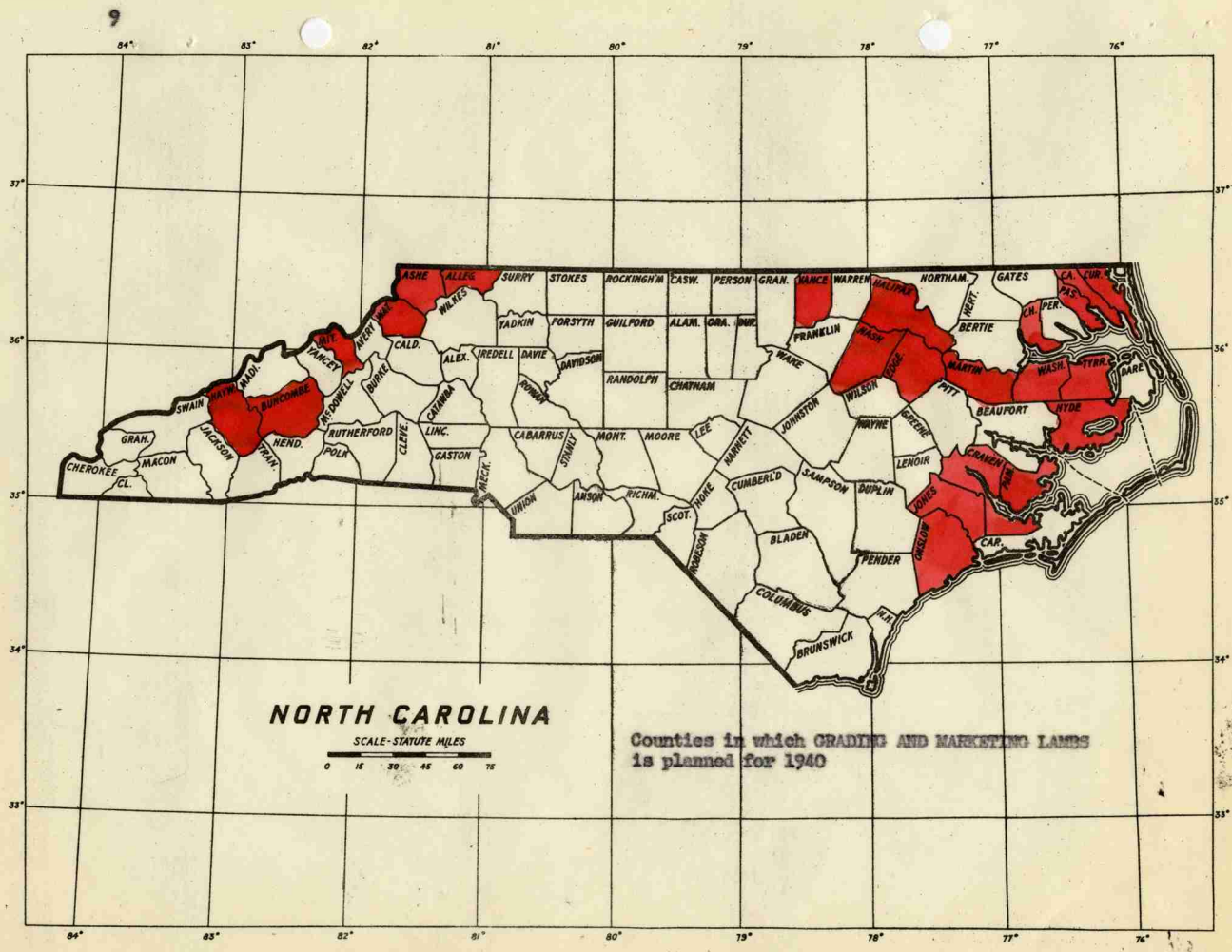






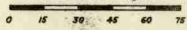




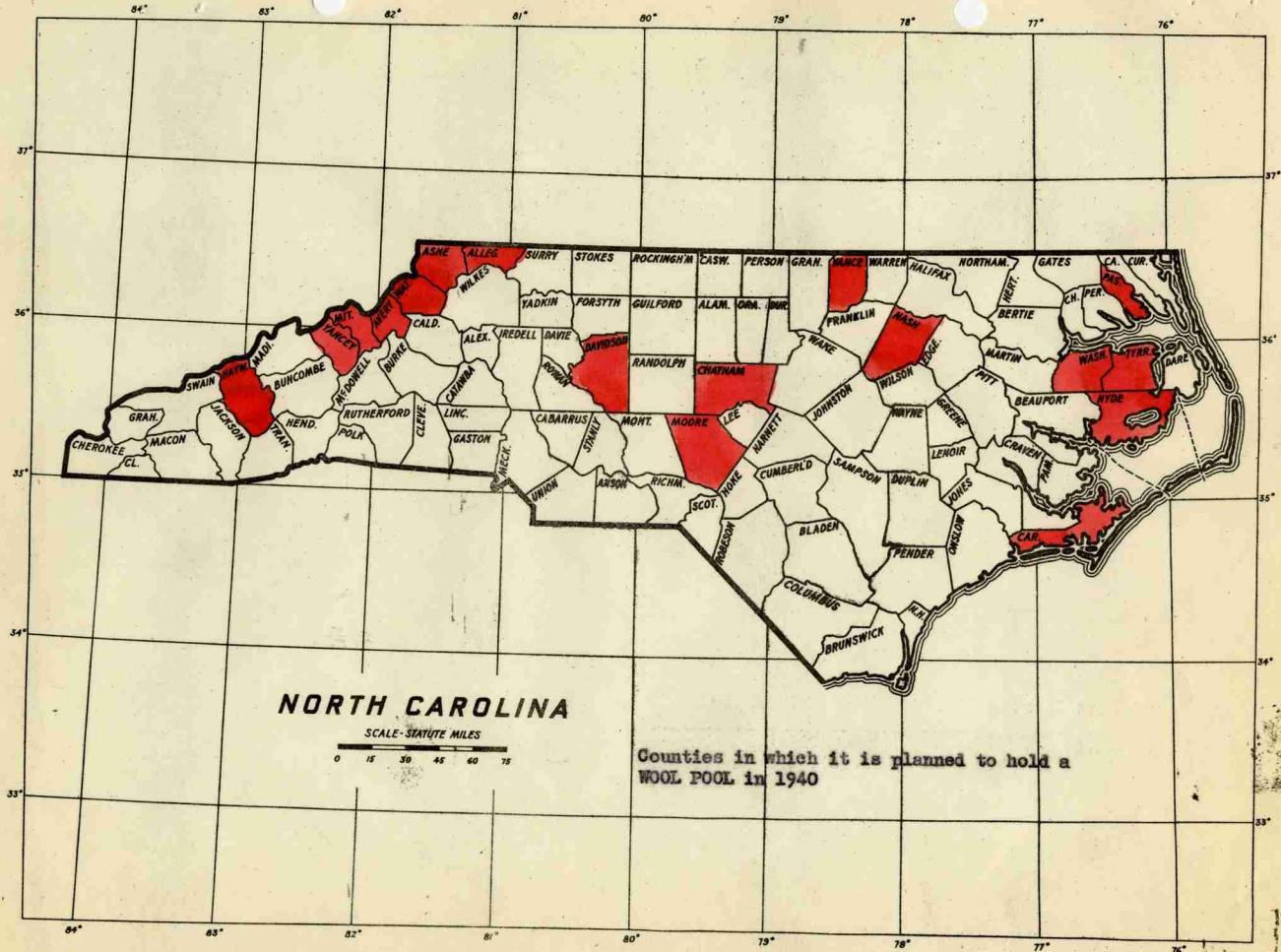


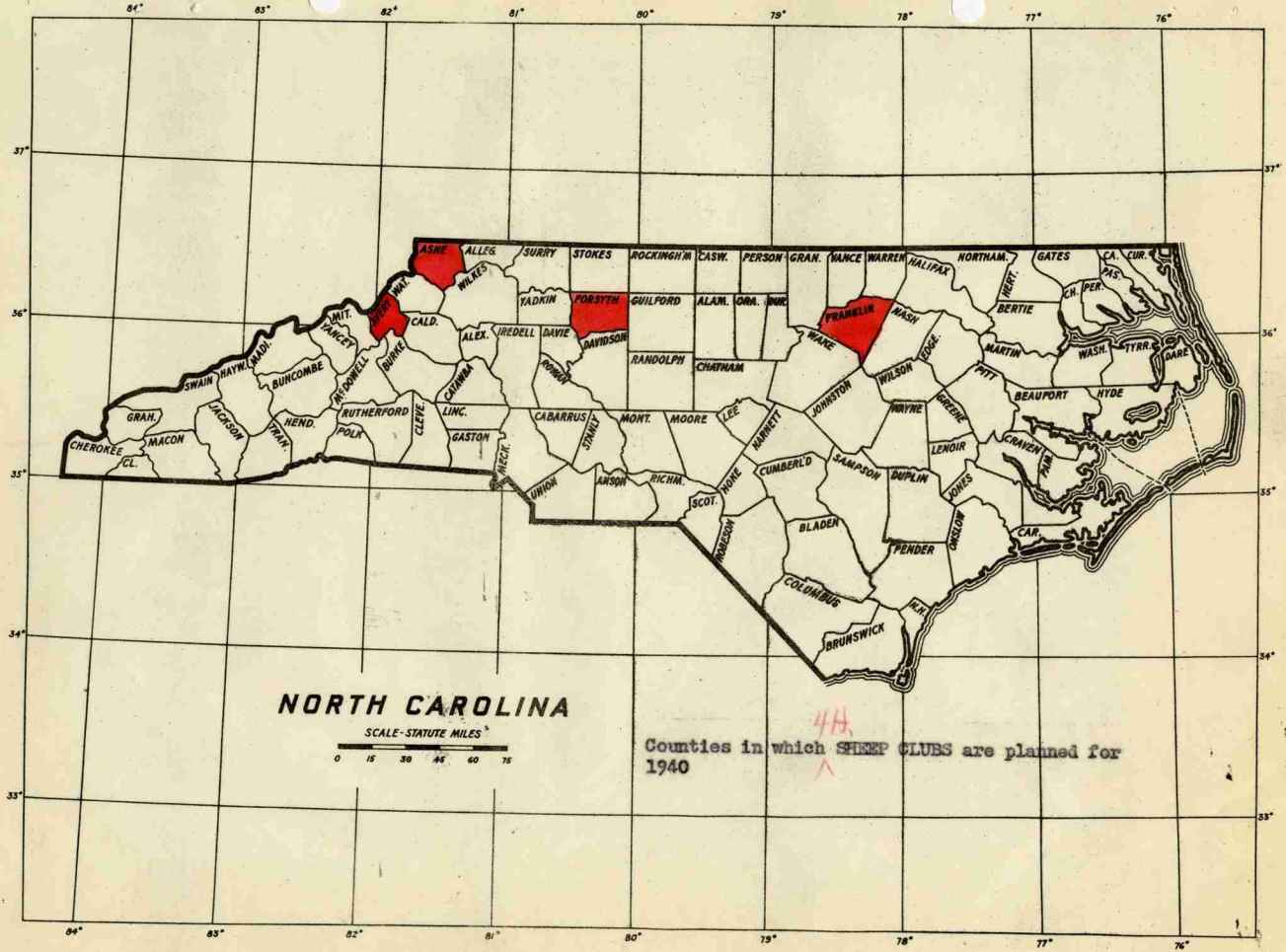
**NORTH CAROLINA**

SCALE - STATUTE MILES



Counties in which GRADING AND MARKETING LANDS is planned for 1940

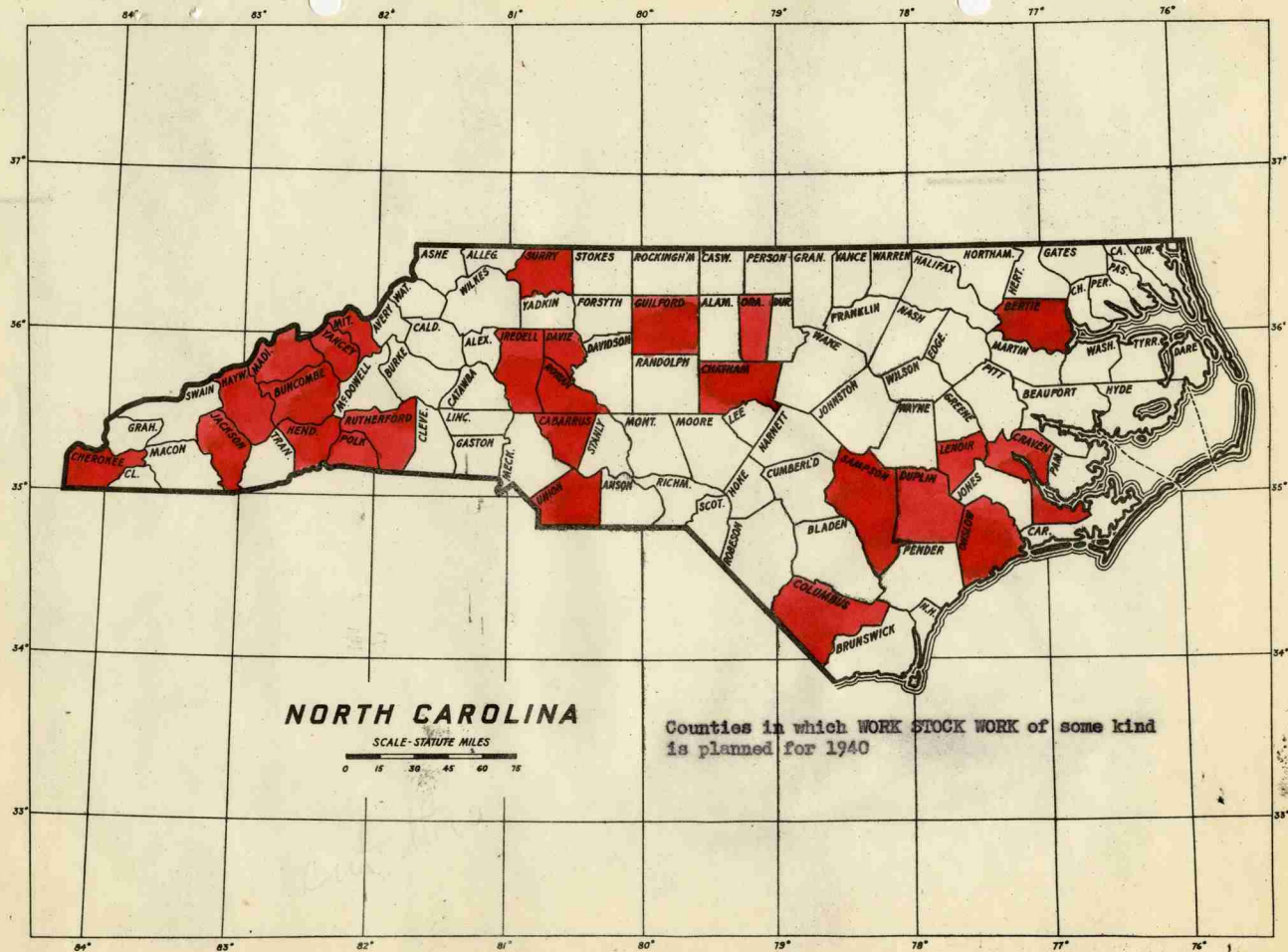




**NORTH CAROLINA**

SCALE - STATUTE MILES  
 0 15 30 45 60 75

44  
 ↑  
 Counties in which SHEEP CLUBS are planned for 1940





*This plan of work will be extended for  
seven months in 1941*

*cut this pg.  
all references*

Respectfully submitted,

L. I. Case,  
Extension Animal Husbandman

APPROVED:

\_\_\_\_\_  
Date State Director of Extension

\_\_\_\_\_  
Date Regional Agent in Charge of Southern Section

\_\_\_\_\_  
Date Chief, Division of Cooperative Extension,  
U. S. Department of Agriculture