

PLAN OF WORK  
ANIMAL HUSBANDRY EXTENSION  
NORTH CAROLINA  
FOR  
1938

L. I. CASE  
SPECIALIST IN ANIMAL HUSBANDRY

PLAN OF ANIMAL HUSBANDRY WORK  
IN  
NORTH CAROLINA  
1938

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I. The Situation: The livestock situation in North Carolina is practically the same as it was a year ago as far as numbers go. The latest available figures show 260,400 head of beef cattle, 66,000 sheep, 69,000 horses and 301,000 mules in the state January 1, 1937. This is a rather marked decrease in the number of cattle, a decrease in sheep, decidedly less horses and quite a good many more mules than in 1920. As compared with 1930 we see a tendency to increase cattle, decrease sheep, decrease horses and increase mules.

It is believed that the present trend is toward more beef cattle, more sheep, more horses, and mules about holding their own, although we have no statistical data to back up this statement.

The most recent valuation figures on our livestock are: Beef Cattle \$7,525,000.00, Sheep \$343,200.00, Horses \$8,694,000.00, Mules \$54,180,000.00, or a total of \$70,742,200.00. During the year just past however beef cattle and sheep values have increased rather markedly, although these increases may be more or less temporary.

It is believed that our stockmen are generally giving more thought to quality than they have for several years. Still there is ample room for improvement and altogether too many mediocre bulls are in service. Too many of the better grade females have been sold rather than kept for brood cows and not enough thought has been given to proper feeding, management, and to disease and parasite control.

The sheep killing dog situation is still a very serious problem although it has shown some improvement during the past year.

Good prices for lambs and wool and the selling of lambs by grade are stimulating interest in better type sheep. However, there are still far too few good purebred rams in service. There is an inadequate number of breeding flocks in the state to supply the ram needs. Then too there is still room for a better appreciation of the value of good rams in our commercial flocks. Feeding and managerial practices throughout the sheep growing sections of the state are, in too many cases, of a low order and too high a percentage of flock owners neglect their flocks when it comes to proper feeding of ewes and lambs, stomach worm control, docking and castration and other things that tend toward the production of the better grade lambs and good quality wool.

## 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.



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.\*

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

2. Crop rotation demonstrations, paying especial attention to supplying sufficient feed for livestock to be wintered.\*
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.

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

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.
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.

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



**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.

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 10. 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 1938, Exhibit B. See page 12. 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 13 |
| Southwestern District | Exhibit D | Page 14 |
| Northeastern District | Exhibit E | Page 15 |
| Southeastern District | Exhibit F | Page 16 |
| Western District      | Exhibit G | Page 17 |

Exhibit - A

OUTLINE OF BEEF CATTLE AND SHEEP WORK FOR 1938

BEEF CATTLE PROJECTS

H-M - 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.

B. 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.

F. 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.

4-H Ba. Fattening Project.

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. The feeding may be done by adults or 4-H Club Members. Records should be kept.



**4-H Bb Cow and Calf or Feeder Calf Project.**

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. This project is also a practical one in other sections of the state.

**SHEEP PROJECTS**

**F-M -Flock Management.**

This is similar to the herd management project with cattle. One or more farms where a commercial flock of sheep are 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.

**R. 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.

**G. Grading and Marketing Lambs.**

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. A definite goal as to the number of farmers to work with and number of lambs to be handled should be set.

**W. Wool Pool.**

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. The specialist will plan to give more assistance with wool sales this year.

**4-H S Sheep Club (Market Lambs)**

This is especially applicable in counties where lambs are to be sold cooperatively. Records should be kept.



Here use copy  
of  
Alleghany Co.  
Plans.



Exhibit - C

ANIMAL HUSBANDRY  
1938 PLAN OF WORK

Northwestern District  
O.F. McCrary, District Agent

|            | H.M. | B  | F | A-H Ba | A-H Eb | F.M | R  | G   | W    | A-H S | Days Agent Work | Days Spec't Work | Farm Visits | News Articles | Circular Letters | Method Meetings | Result Meetings | Records to Secure |
|------------|------|----|---|--------|--------|-----|----|-----|------|-------|-----------------|------------------|-------------|---------------|------------------|-----------------|-----------------|-------------------|
| Alamance   | 1    | 2  |   | 1      |        | 1   | 2  |     |      |       | 6               | 1                | 20          | 1             |                  |                 |                 | 5                 |
| Caswell    |      |    |   |        |        |     |    |     |      |       |                 |                  |             |               |                  |                 |                 |                   |
| Chatham    | 1    | 2  |   |        |        | 1   | 2  |     | 600* |       | 12              | 1                | 48          | 3             | 2                |                 | 4               | 2                 |
| Davidson   | 2    | 2  |   |        |        |     |    |     |      |       | 7               | 1                | 14          | 2             |                  |                 | 1               |                   |
| Durham     | 2    | 2  | 1 | 2      |        | 1   | 1  |     |      |       | 10              | 1                | 40          | 4             |                  | 1               |                 | 3                 |
| Forsyth    | 3    | 1  |   |        |        |     | 2  |     |      |       | 10              | 1                | 40          |               |                  |                 |                 |                   |
| Franklin   |      |    |   |        |        | 4   |    | 40* | 350  |       | 10              |                  | 30          | 5             | 5                | 3               |                 | 4                 |
| Granville  |      | 2  |   |        |        | 1   | 2  |     |      |       | 10              |                  | 20          | 2             |                  | 1               | 1               | 1                 |
| Guilford   | 2    | 1  |   |        |        | 1   |    |     |      |       | 6               | 1                | 12          | 2             | 1                |                 |                 | 1                 |
| Orange     | 1    | 3  | 1 |        |        |     |    |     |      |       | 12              | 3                | 36          | 3             | 2                | 1               |                 | 1                 |
| Person     |      |    |   |        |        | 20  | 2  |     |      |       | 5               |                  | 20          | 6             | 6                |                 |                 | 20                |
| Randolph   |      |    |   |        |        |     |    |     |      |       |                 |                  |             |               |                  |                 |                 |                   |
| Rockingham | 1    |    |   |        |        |     |    |     |      |       | 6               | 1                | 12          | 1             |                  |                 |                 |                   |
| Stokes     |      | 1  |   |        |        |     | 1  |     |      |       | 4               | 1                | 12          | 2             |                  |                 |                 |                   |
| Surry      | 4    | 3  | 1 |        |        |     |    |     |      |       | 12              | 1                | 36          | 2             |                  |                 |                 | 1                 |
| Vance      | 1    |    |   |        |        |     | 2  | 30  |      |       | 4               |                  | 12          |               |                  |                 |                 |                   |
| Wake       | 1    | 1  | 1 |        |        |     |    |     |      |       | 3               |                  | 3           | 1             |                  |                 |                 | 1                 |
| Warren     | 1    | 3  |   | 1      |        |     |    |     |      |       | 3               |                  | 12          | 2             |                  |                 |                 |                   |
| Wilkes     | 1    |    | 1 |        |        |     |    |     |      |       | 4               |                  | 12          | 1             |                  |                 |                 | 1                 |
| Yadkin     |      |    |   |        |        |     |    |     |      |       |                 |                  |             |               |                  |                 |                 |                   |
| Total      | 21   | 23 | 5 | 4      |        | 29  | 14 | 70  | 850  |       | 124             | 12               | 379         | 37            | 16               | 8               | 6               | 40                |

\*Number of lambs  
\*Pounds of wool



Exhibit - D

ANIMAL HUSBANDRY  
1938 PLAN OF WORK

Southwestern District  
L.B. Altman, District Agent

|              | H.M.      | B         | F         | A-H Ba   | A-H Bb | F.M.      | R         | C | W        | A-H S    | Days Agent Work | Days Spec't Work | Farm Visits | News Articles | Circular Letters | Method Meetings | Result Meetings | Records to Secure |    |
|--------------|-----------|-----------|-----------|----------|--------|-----------|-----------|---|----------|----------|-----------------|------------------|-------------|---------------|------------------|-----------------|-----------------|-------------------|----|
| Alexander    | 2         | 2         |           |          |        |           |           |   |          |          | 5               |                  | 10          | 3             |                  |                 |                 |                   |    |
| Anson        | 4         | 2         | 4         |          |        | 6         | 2         |   |          |          | 12              | 1                | 48          | 2             | 2                |                 |                 |                   | 10 |
| Cabarrus     | 1         | 2         | 2         |          |        | 1         | 1         |   |          |          | 10              | 1                | 30          | 2             |                  | 1               | 1               | 1                 | 1  |
| Caldwell     | 2         | 1         |           | 2        |        |           |           |   |          |          | 3               |                  | 36          | 2             |                  |                 | 1               | 2                 | 2  |
| Catawba      |           |           | 3         |          |        |           |           |   |          |          | 3               |                  | 12          | 1             |                  | 1               | 3               |                   | 3  |
| Cleveland    |           |           | 1         |          |        |           |           |   |          |          | 3               | 1                | 4           | 1             |                  |                 |                 |                   | 1  |
| Davie        | 1         |           | 1         |          |        |           |           |   |          |          | 4               | 1                | 12          | 2             |                  |                 |                 |                   | 1  |
| Gaston       |           |           | 2         |          |        |           |           |   |          |          | 3               |                  | 10          | 1             |                  |                 |                 |                   | 2  |
| Iredell      | 4         |           |           | 4        |        | 2         | 5         |   | 2        | 23       | 2               | 69               | 3           | 2             | 2                | 1               | 6               |                   | 6  |
| Lee          |           |           |           |          |        |           |           |   |          |          | 10              | 2                | 30          | 2             |                  |                 |                 |                   | 2  |
| Lincoln      | 3         | 3         | 2         |          |        |           |           |   |          |          | 4               | 1                | 12          | 1             |                  | 1               | 1               | 2                 | 2  |
| Mecklenburg  | 1         |           |           |          | 2      | 1         |           |   |          |          | 15              | 1                | 30          | 3             |                  |                 |                 |                   | 2  |
| Montgomery   | 1         | 2         |           |          |        |           |           |   |          |          | 6               | 1                | 12          | 1             | 2                |                 |                 |                   | 2  |
| Moore        | 2         |           |           |          |        | 2         |           |   |          |          | 3               | 1                | 6           | 2             |                  |                 |                 |                   | 2  |
| Polk         | 1         |           |           |          |        |           |           |   |          |          | 3               | 1                | 6           | 2             |                  |                 |                 |                   | 2  |
| Richmond     | 1         |           |           |          |        |           |           |   |          |          | 2               | 1                | 2           |               |                  |                 |                 |                   | 2  |
| Rowan        | 3         |           | 1         |          |        |           |           |   |          |          | 4               | 1                | 10          | 1             |                  |                 |                 |                   | 1  |
| Rutherford   |           |           |           |          |        |           |           |   |          |          |                 |                  |             |               |                  |                 |                 |                   |    |
| Stanly       | 1         |           | 1         |          |        | 1         | 1         |   |          |          | 3               | 1                | 10          | 2             | 1                | 1               |                 |                   | 2  |
| Union        | 2         | 1         |           |          |        | 1         | 3         |   |          |          | 5               | 1                | 20          | 2             | 1                | 3               |                 |                   | 1  |
| <b>Total</b> | <b>29</b> | <b>13</b> | <b>17</b> | <b>6</b> |        | <b>15</b> | <b>13</b> |   | <b>3</b> | <b>2</b> | <b>124</b>      | <b>16</b>        | <b>365</b>  | <b>31</b>     | <b>8</b>         | <b>8</b>        | <b>5</b>        | <b>45</b>         |    |

\*Pounds of wool. Two ciphers omitted



Exhibit - E

ANIMAL HUSBANDRY  
1938 PLAN OF WORK

Northeastern District  
B. Troy Ferguson, District  
Agent

|              | H.M.      | B         | F        | A-H Ba    | A-H Bb | F.M       | R         | G           | W           | A-H S | Days Agent Work | Days Spec't Work | Farm Visits | News Articles | Circular Letters | Method Meetings | Result Meetings | Records to Secure |
|--------------|-----------|-----------|----------|-----------|--------|-----------|-----------|-------------|-------------|-------|-----------------|------------------|-------------|---------------|------------------|-----------------|-----------------|-------------------|
| Beaufort     | 4         | 3         |          |           |        | 3         |           | 30*         | 150*        |       | 10              | 1                | 20          | 3             | 3                | 3               | 2               | 3                 |
| Bertie       |           | 1         | 1        |           |        | 1         | 2         | 30          |             |       | 10              | 2                | 20          | 3             | 1                | 1               | 1               | 1                 |
| Camden       |           |           |          |           |        | 1         | 2         | 50          |             |       | 5               | 1                | 20          | 2             | 3                |                 |                 | 1                 |
| Chowan       |           |           | 2        |           |        | 1         |           |             |             |       | 3               | 1                | 6           | 1             |                  | 1               |                 | 3                 |
| Currituck    | 2         | 4         |          |           |        | 3         | 2         | 100         |             |       | 9               | 1                | 36          | 3             | 2                |                 | 1               | 3                 |
| Dare         |           |           |          |           |        | 1         | 1         |             |             |       | 2               | 1                | 6           | 1             |                  | 2               |                 | 2                 |
| Edgecombe    | 3         | 4         |          | 3         |        | 8         | 4         | 150         | 500         |       | 35              | 2                | 140         | 6             | 6                | 3               |                 | 11                |
| Gates        | 2         |           |          |           |        |           |           |             |             |       | 4               | 1                | 8           | 1             |                  |                 |                 |                   |
| Greene       | 4         |           |          | 1         |        | 4         | 3         |             |             |       | 10              | 1                | 28          | 3             |                  | 3               |                 | 5                 |
| Halifax      | 2         | 3         | 2        | 10        |        | 1         | 3         | 50          |             |       | 20              | 1                | 60          | 3             | 4                |                 |                 | 6                 |
| Hertford     | 2         | 1         |          |           |        | 2         | 1         | 50          | 250         |       | 6               | 1                | 36          | 2             |                  | 3               |                 | 3                 |
| Hyde         | 2         | 3         |          |           |        | 10        | 6         | 300         | 600         |       | 36              | 4                | 144         | 10            | 3                | 25              | 3               | 10                |
| Martin       |           | 1         | 1        | 2         |        | 1         | 2         | 75          |             |       | 10              | 1                | 40          | 4             | 1                | 2               |                 | 5                 |
| Nash         | 4         | 2         |          | 4         |        | 3         |           | 50          |             |       | 16              | 1                | 30          | 4             | 4                |                 |                 | 7                 |
| Northampton  | 1         |           |          |           |        |           | 2         |             |             |       | 4               | 1                | 8           | 1             |                  |                 |                 |                   |
| Pasquotank   |           | 1         |          |           |        |           | 4         | 130         |             |       | 4               | 1                | 12          | 1             |                  |                 |                 |                   |
| Perquimans   |           |           |          |           |        | 10        | 2         | 200         |             |       | 10              | 1                | 30          | 1             | 1                |                 |                 | 10                |
| Pitt         | 1         |           |          | 5         |        | 2         | 2         |             |             |       | 25              | 1                | 100         | 8             |                  | 2               |                 | 7                 |
| Tyrrell      | 1         | 1         |          |           |        | 4         | 4         | 150         | 400         |       | 15              | 2                | 45          | 4             | 3                | 5               | 1               | 4                 |
| Washington   |           | 2         | 2        |           |        | 5         | 5         | 200         | 600         |       | 13              | 4                | 65          | 6             | 3                | 6               | 3               | 7                 |
| Wilson       |           |           |          |           |        |           | 2         | 30          |             |       | 5               |                  | 10          | 2             |                  |                 |                 |                   |
| <b>Total</b> | <b>28</b> | <b>26</b> | <b>8</b> | <b>25</b> |        | <b>60</b> | <b>47</b> | <b>1595</b> | <b>2500</b> |       | <b>252</b>      | <b>29</b>        | <b>864</b>  | <b>69</b>     | <b>34</b>        | <b>56</b>       | <b>11</b>       | <b>88</b>         |

\*Number of lambs  
\*Pounds of wool

Exhibit - F

ANIMAL HUSBANDRY  
1938 PLAN OF WORK

Southeastern District  
E.W.Gaither, District Agent

|              | H.M.      | B         | F        | A-H Ba    | A-H Bb | F.M      | R         | G | W | A-H S | Days Agent Work | Days Spec't Work | Farm Visits | News Articles | Circular Letters | Method Meetings | Result Meetings | Records to Secure |
|--------------|-----------|-----------|----------|-----------|--------|----------|-----------|---|---|-------|-----------------|------------------|-------------|---------------|------------------|-----------------|-----------------|-------------------|
| Bladen       |           | 2         |          |           |        |          |           |   |   |       | 1               | 1                | 1           |               |                  |                 |                 |                   |
| Brunswick    | 3         | 2         | 3        |           |        |          |           |   |   |       | 12              | 2                | 36          | 1             |                  |                 | 2               |                   |
| Carteret     |           |           |          |           |        |          |           |   |   |       |                 |                  |             |               |                  |                 |                 |                   |
| Columbus     | 1         |           |          |           |        |          |           |   |   |       | 3               | 3                | 3           |               |                  |                 |                 | 1                 |
| Craven       | 2         | 2         | 1        |           |        | 1        |           |   |   |       | 7               | 3                | 28          | 3             | 3                | 2               | 1               | 2                 |
| Cumberland   |           |           |          |           |        |          |           |   |   |       |                 |                  |             |               |                  |                 |                 |                   |
| Duplin       | 1         | 2         |          |           |        |          | 1         |   |   |       | 3               | 1                | 12          | 1             | 3                |                 |                 |                   |
| Harnett      |           | 1         |          | 1         |        |          |           |   |   |       | 8               | 1                | 16          | 2             |                  |                 |                 | 5                 |
| Hoke         |           |           | 1        |           |        |          |           |   |   |       | 1.5             | 1                | 3           |               |                  |                 |                 | 1                 |
| Johnston     | 1         |           |          | 10        |        |          |           |   |   |       | 39              | 3                | 117         | 3             | 2                |                 |                 | 10                |
| Jones        |           | 3         |          |           |        |          |           |   |   |       | 5               | 1                | 30          | 1             |                  |                 |                 |                   |
| Lenoir       | 1         | 2         |          |           |        | 3        | 2         |   |   |       | 7               | 2                | 21          | 3             | 3                | 3               |                 | 15                |
| New Hanover  |           |           |          |           |        |          |           |   |   |       |                 |                  |             |               |                  |                 |                 |                   |
| Onslow       | 2         | 3         |          |           |        |          |           |   |   |       | 3               | 1                | 6           | 1             | 1                |                 |                 |                   |
| Pamlico      |           | 1         |          |           |        |          | 1         |   |   |       | 2               |                  | 4           |               |                  |                 |                 |                   |
| Pender       |           |           |          |           |        |          |           |   |   |       |                 |                  |             |               |                  |                 |                 |                   |
| Robeson      | 1         | 2         | 1        | 2         |        | 1        | 6         |   |   |       | 16              | 3                | 48          | 1             | 2                | 2               |                 | 4                 |
| Sampson      | 1         |           |          |           |        |          |           |   |   |       | 2               |                  | 8           |               |                  |                 |                 |                   |
| Scotland     | 1         |           |          |           |        |          |           |   |   |       | 6               | 2                | 17          | 2             | 2                |                 |                 | 1                 |
| Wayne        | 1         | 2         |          | 6         |        | 2        |           |   |   |       | 29              | 2                | 65          | 1             | 2                | 1               |                 | 8                 |
| <b>Total</b> | <b>18</b> | <b>22</b> | <b>6</b> | <b>22</b> |        | <b>7</b> | <b>10</b> |   |   |       | <b>146.5</b>    | <b>25</b>        | <b>418</b>  | <b>32</b>     | <b>18</b>        | <b>8</b>        | <b>4</b>        | <b>46</b>         |



Exhibit - G

ANIMAL HUSBANDRY  
1938 PLAN OF WORK

Western District  
F.S.Sloan, District Agent

|              | H.M. | B  | F | A-H Ea | A-H Bb | F.M. | R  | G  | W    | A-H S | Days Agent Work | Days Spec't Work | Farm Visits | News Articles | Circular Letters | Method Meetings | Results Meetings | Records to Secure |
|--------------|------|----|---|--------|--------|------|----|----|------|-------|-----------------|------------------|-------------|---------------|------------------|-----------------|------------------|-------------------|
| Allegheny    | 2    | 3  |   | 5      |        |      | 10 | 14 | 150* |       | 75              | 5                | 180         | 10            | 10               | 20              | 16               | 10                |
| Ashe         | 2    | 4  |   | 3      |        |      | 6  | 10 | 80   |       | 60              | 4                | 100         | 10            | 10               | 8               | 10               | 10                |
| Avery        |      | 7  |   |        |        |      |    | 4  | 12   |       | 50              | 2                | 100         | 6             | 2                | 1               |                  |                   |
| Buncombe     |      | 2  |   | 10     | 5      |      |    |    |      |       | 30              | 2                | 120         | 12            | 3                |                 |                  | 15                |
| Burke        |      |    |   |        |        |      |    |    |      |       |                 |                  |             |               |                  |                 |                  |                   |
| Clay         | 3    | 2  |   |        |        | 1    |    |    |      |       | 10              | 2                | 30          | 4             | 4                |                 |                  | 1                 |
| Cherokee     | 1    | 2  | 1 | 8      | 6      |      |    |    |      |       | 40              | 3                | 120         | 7             | 2                | 1               |                  | 15                |
| Graham       |      |    |   | 1      | 5      |      |    |    |      |       | 50              | 3                | 95          | 3             | 3                | 1               |                  | 6                 |
| Haywood      | 2    | 4  |   | 10     | 10     |      |    | 3  |      |       | 70              | 4                | 180         | 12            | 6                | 1               | 2                | 20                |
| Henderson    | 1    |    | 1 | 6      |        |      |    |    |      |       | 15              | 2                | 60          | 5             |                  | 1               |                  | 7                 |
| Jackson      | 2    | 2  |   | 2      | 3      |      |    |    |      |       | 68              | 3                | 66          | 3             | 3                |                 |                  | 16                |
| Macon        |      | 2  |   | 6      |        |      |    |    |      |       | 26              | 3                | 50          | 1             | 1                |                 |                  | 6                 |
| Madison      | 3    | 5  |   | 8      | 8      | 1    | 3  | 2  |      |       | 60              | 4                | 180         | 12            | 10               |                 |                  | 16                |
| McDowell     | 2    |    |   |        |        |      |    |    |      |       | 16              |                  | 32          | 1             |                  |                 |                  | 2                 |
| Mitchell     |      | 5  |   | 5      | 5      | 10   | 1  | 3  | 15   | 3     | 77              | 4                | 92          | 15            | 14               | 11              | 21               | 21                |
| Swain        |      | 1  |   |        |        |      |    |    |      |       | 6               |                  | 18          |               | 2                |                 |                  |                   |
| Transylvania | 3    | 1  |   | 6      |        | 1    | 2  |    |      |       | 30              | 2                | 90          | 5             | 2                | 2               | 1                | 6                 |
| Watauga      |      | 10 |   | 12     | 2      |      | 10 | 18 | 200  | 2     | 75              | 6                | 150         | 8             | 6                | 3               | 4                | 16                |
| Yancey       |      | 5  |   |        |        |      | 4  | 1  | 20   |       | 40              | 2                | 77          | 6             | 6                | 8               | 2                |                   |
| Total        | 21   | 55 | 2 | 82     | 44     | 13   | 36 | 55 | 477  | 5     | 798             | 51               | 1740        | 120           | 84               | 57              | 57               | 165               |

\*Number of lambs. Two ciphers omitted

\*Pounds of wool. Two ciphers omitted

### Goals and Summary

A summary of work planned for 1938 shows the following numerical results expected:

|   |       |
|---|-------|
| Herd Management Demonstrations            | 117   |
| Beef Type Bulls to be placed              | 139   |
| Cattle Fattening Demonstrations           | 38    |
| Beef Calf 4-H Club projects               | 183   |
| Flock Management Demonstrations           | 124   |
| Rams to be placed                         | 120   |
| Lambs to be graded and sold cooperatively | 7165  |
| Pounds of wool to be sold cooperatively   | 51450 |

A resume of other statistical data concerning the county plans of work show the following:

|  |      |
|--|------|
| Days Agents to devote to Animal Husbandry Work     | 1444 |
| Days Specialist to spend in field assisting Agents | 133  |
| Farm visits to be made by County Agents            | 3764 |
| Animal Husbandry News Articles                     | 289  |
| Animal Husbandry Circular Letters                  | 160  |
| Method Meetings Animal Husbandry Projects          | 137  |
| Result Meetings Animal Husbandry Projects          | 83   |
| Records to secure                                  | 384  |



Literature and Illustrative Material to be Used.

1. Feeding Cattle For Market, North Carolina. Bul. No.
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. U.S.D.A. Beef Production on the Farm. Bul. No. 1592
5. U.S.D.A. Breeds Of Beef Cattle. Bul. No. 612
6. U.S.D.A. Cattle Lice and How to Eradicate Them. Bul. No. 909
7. Pastures In North Carolina. Extension Circular No. 202
8. Silage And The Trench Silo. Extension Circular No. 201
9. U.S.D.A. Feed-Lot And Ranch Equipment for Beef Cattle. Bul. No. 1584
10. U.S.D.A. Dehorning, Castrating, Branding, and Marking Beef Cattle. Bul. No. 1600
11. U.S.D.A. A Handbook for Better Feeding of Livestock. 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. Bul. 840
15. The Sheep-Killing Dog. U.S.D.A. Bul. 935
16. Stomach Worm Treatment For Sheep (N.C. Circular)
17. U.S.D.A. Approved and Objectionable Twine For Tying Fleeces.
18. U.S.D.A. Storing Wool
19. U.S.D.A. Technical Terms Of The Wool Market. Reprinted March 1935
20. U.S.D.A. Horse-Breeding Suggestions For Farmers. Bul. No. 803

21. U.S.D.A. Mule Production. Bul. No. 1341
22. U.S.D.A. Feeding Horses. 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

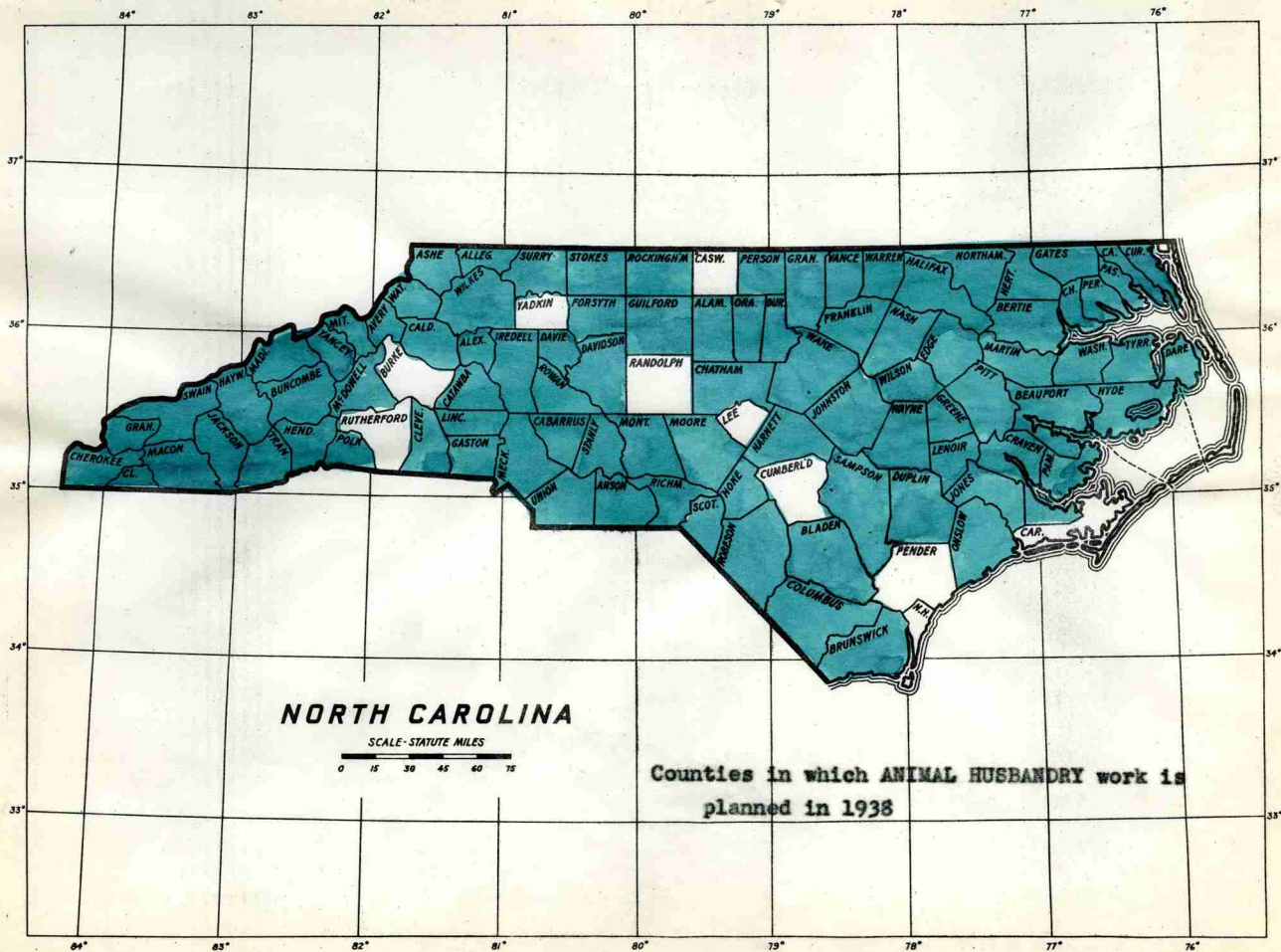
U.S. Grades of Slaughter Cows.

### Methods of Measuring Results

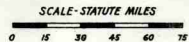
1. Number of Herd Management Demonstrations.
2. Number of Flock Management Demonstrations.
3. Number of Registered Bulls Placed.
4. Number of Registered Rams placed.
5. Number of Registered Stallions or Jacks placed.
6. Number of Purebred or High Grade Cows or heifers placed.
7. Number of Purebred or 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.



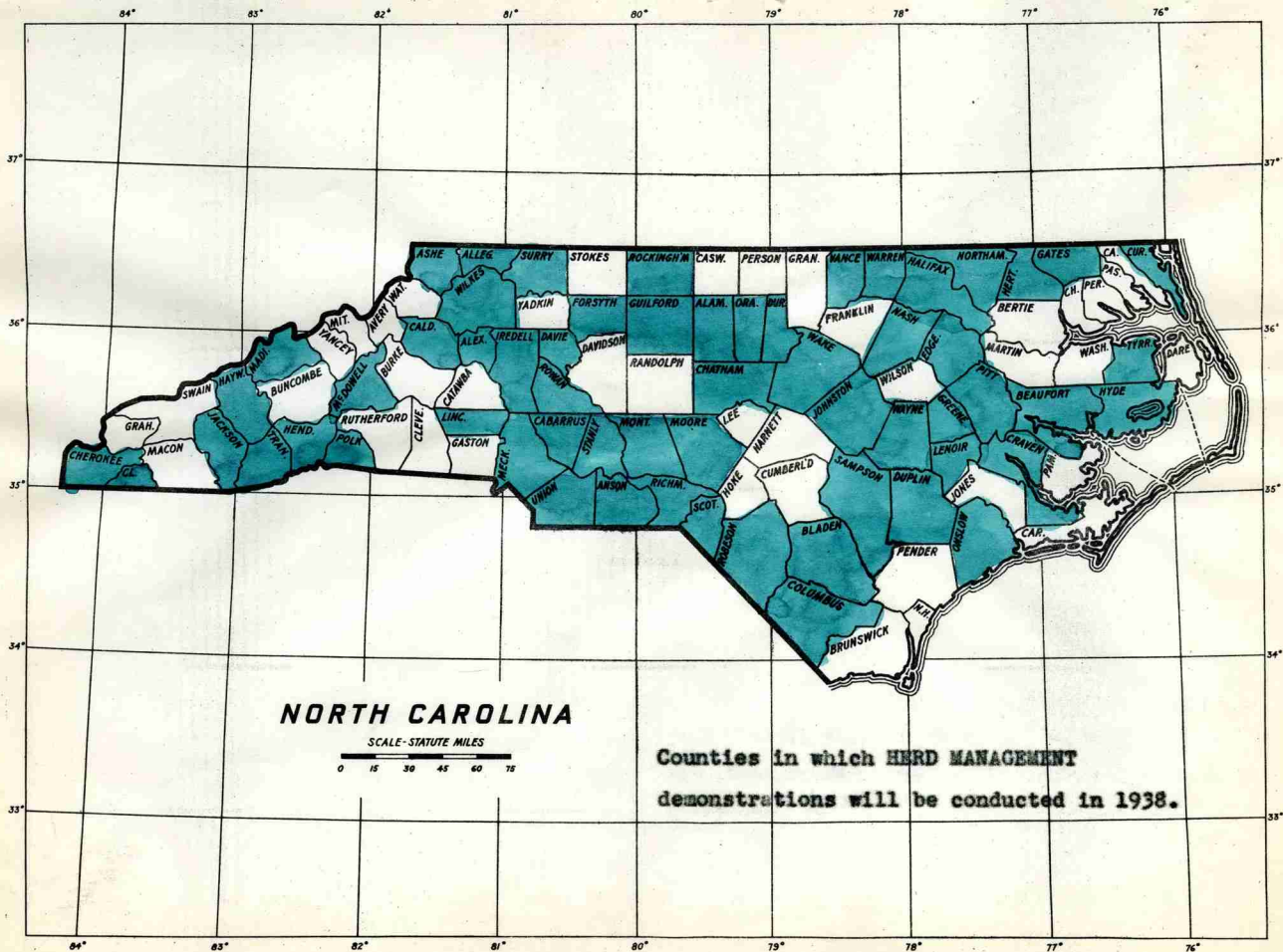


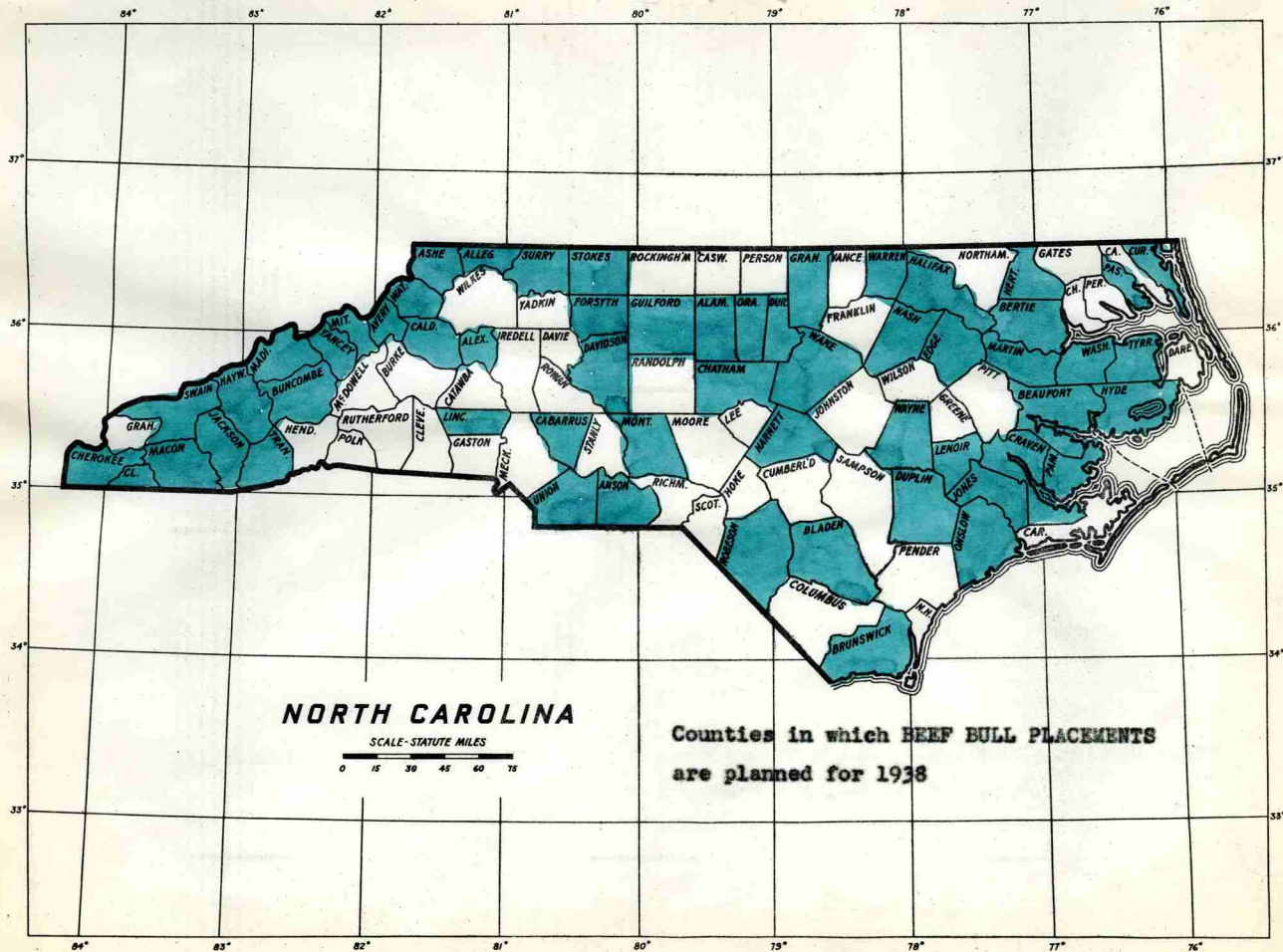


**NORTH CAROLINA**

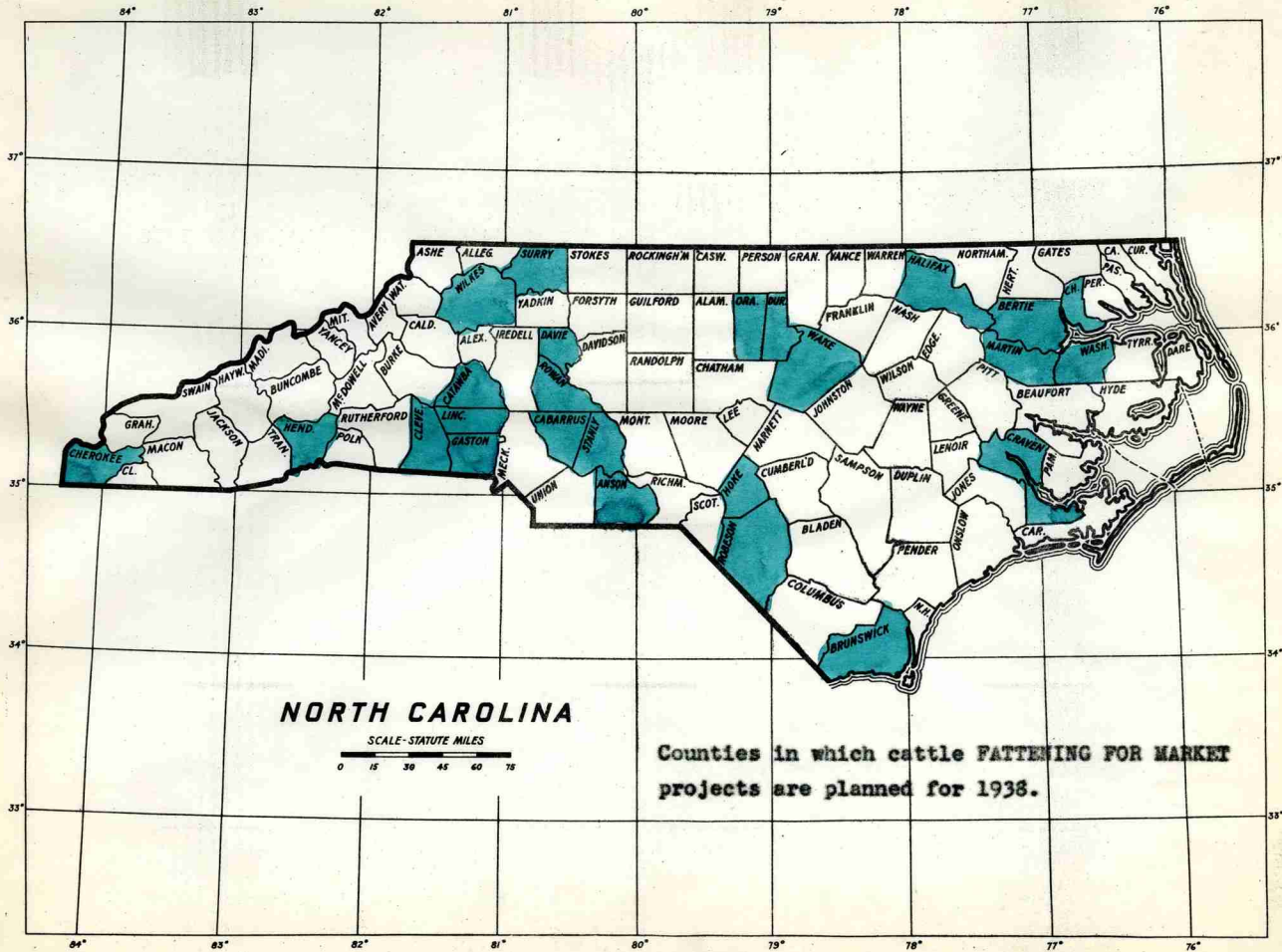


**Counties in which ANIMAL HUSBANDRY work is planned in 1938**





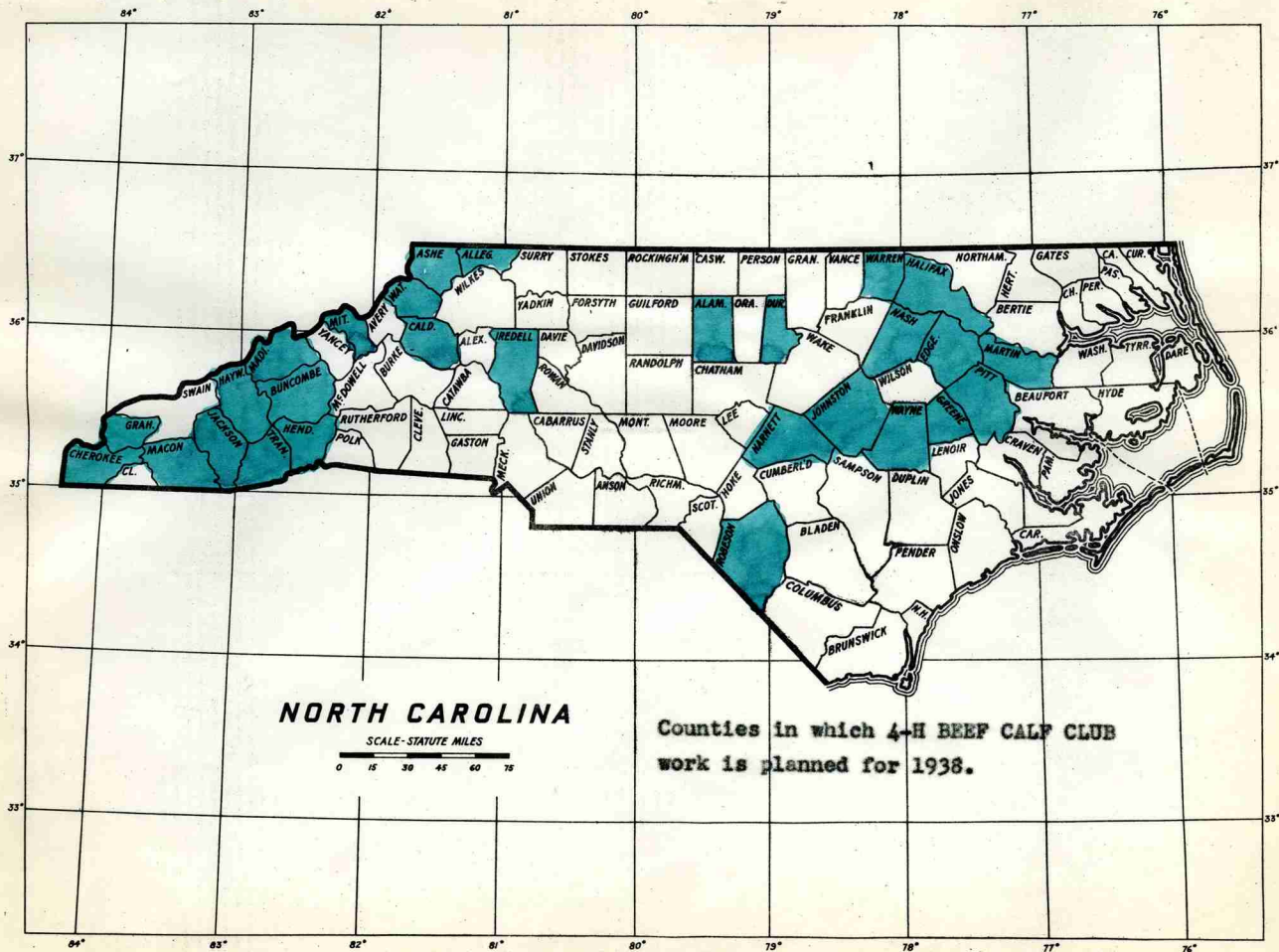


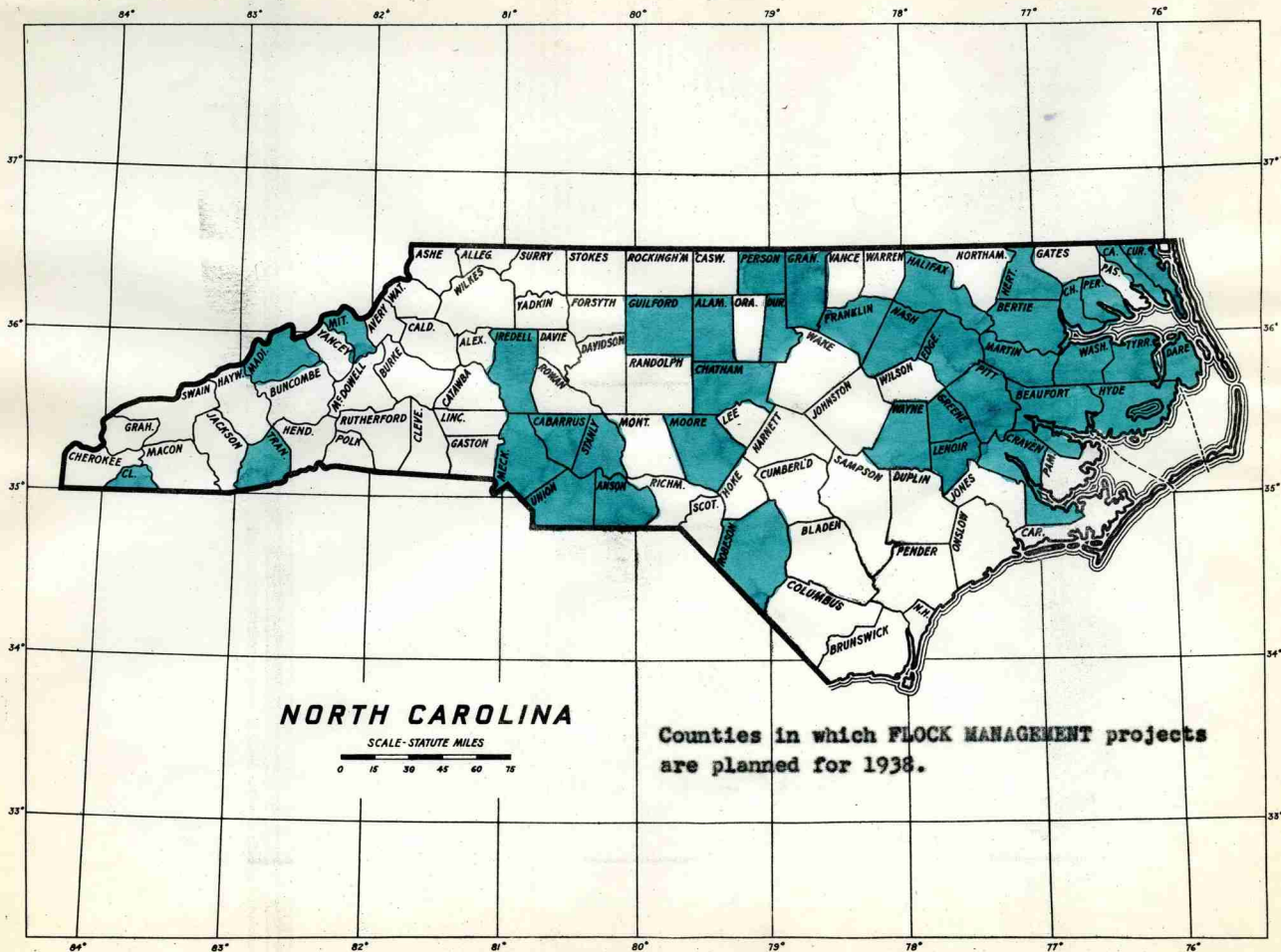


## NORTH CAROLINA

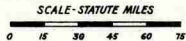
SCALE - STATUTE MILES  
 0 15 30 45 60 75

Counties in which cattle FATTENING FOR MARKET projects are planned for 1938.





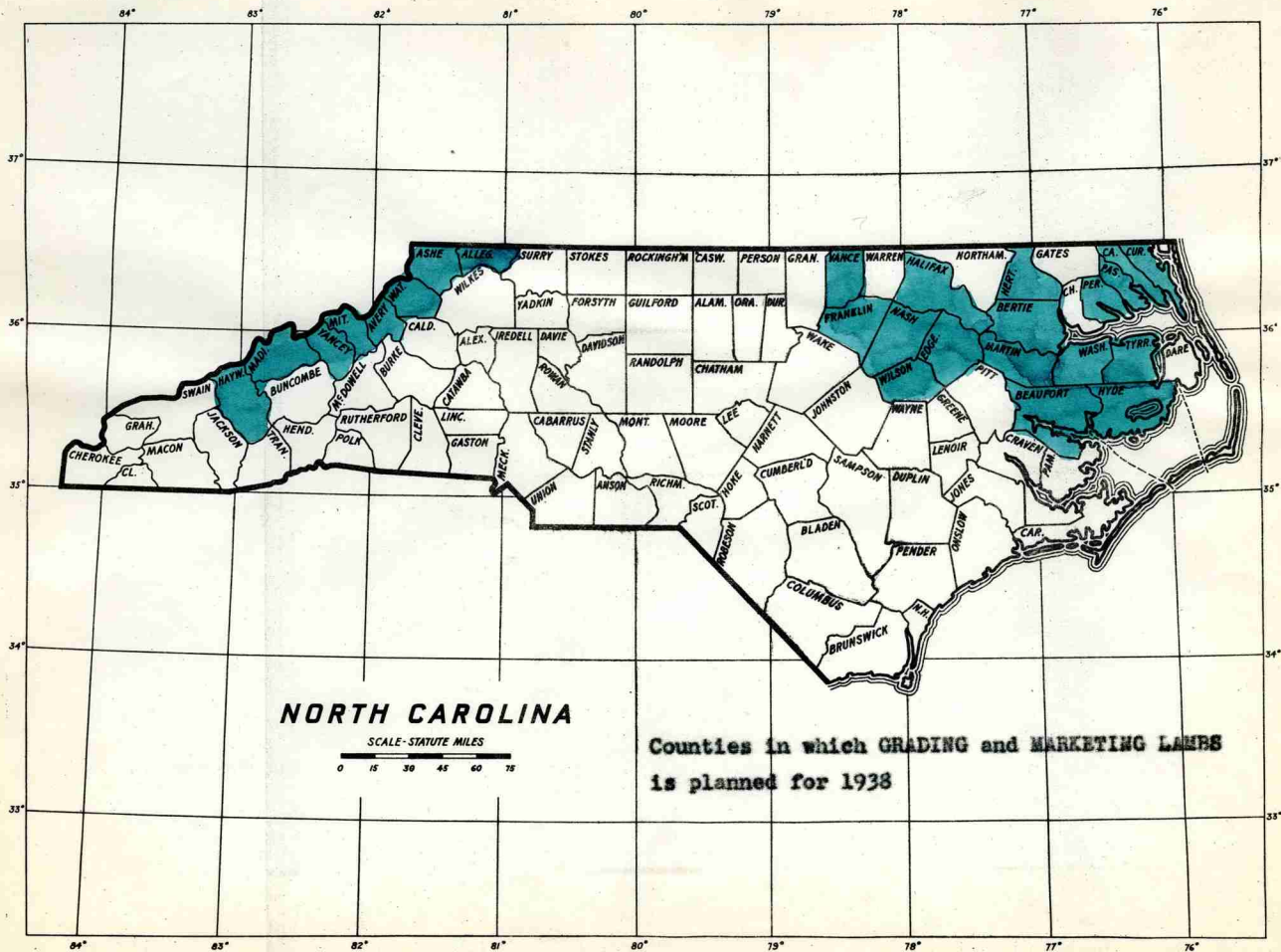
# NORTH CAROLINA



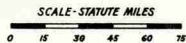
Counties in which FLOCK MANAGEMENT projects are planned for 1938.



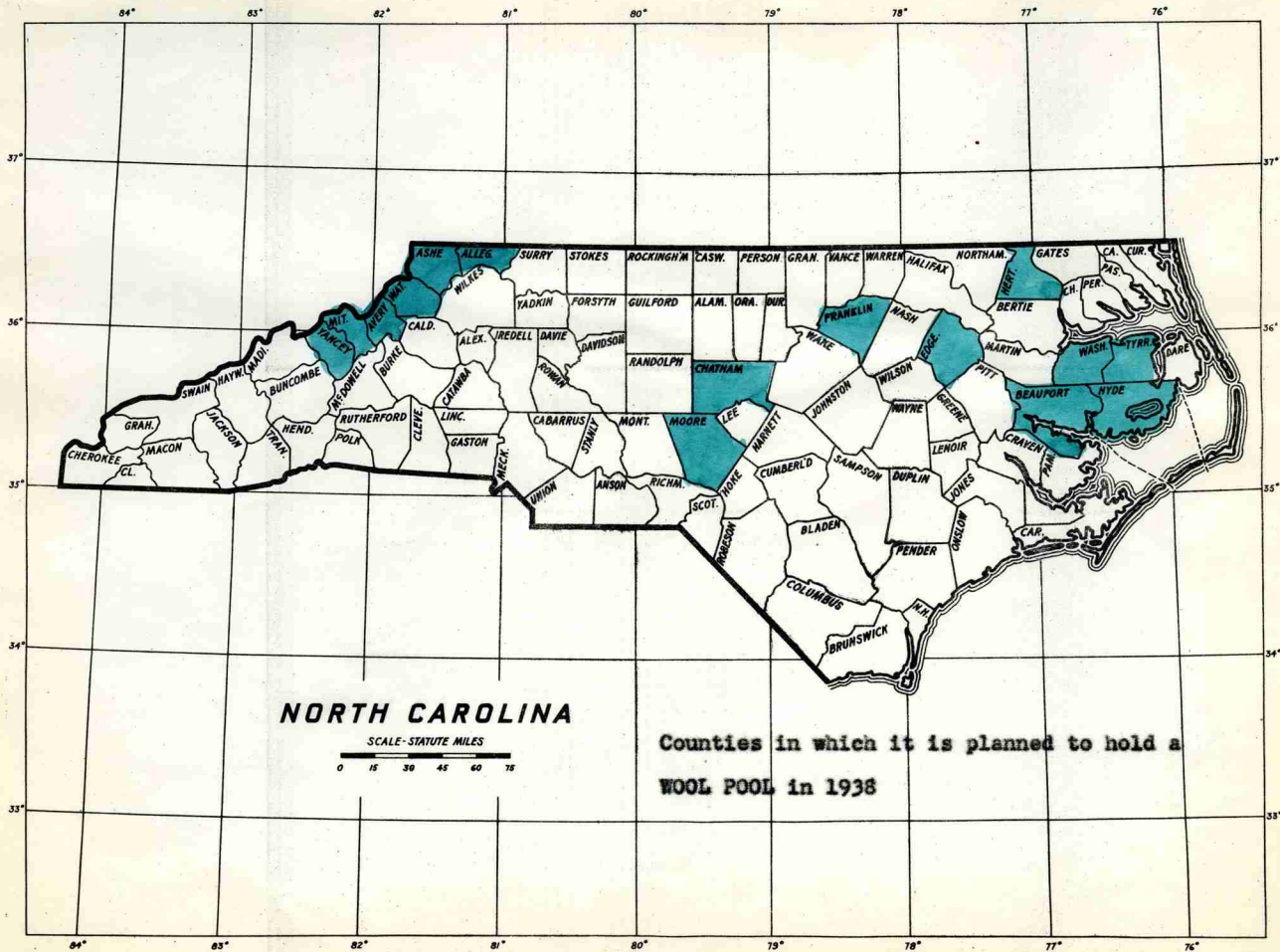




# NORTH CAROLINA



Counties in which GRADING and MARKETING LANS  
is planned for 1938







Respectfully submitted,

L. I. Case,  
Specialist in Animal Husbandry.

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.