

Cooperator Extension Work in Agriculture
and Home Economics.

U. S. DEPARTMENT OF AGRICULTURE
AND STATE AGRICULTURAL COLLEGES
COOPERATING.

STATES RELATIONS SERVICE,
OFFICE OF EXTENSION WORK, SOUTH.
FARMERS' COOPERATIVE DEMONSTRATION WORK.

REPORT OF WORK OF THE COUNTY AGENT,

CALENDAR YEAR 1916.

DUE DECEMBER 31, 1916.

STATE,

Virginia

COUNTY,

Craig

REPORT OF

William O Martin

COUNTY AGENT.

FROM JANUARY 1, 1916 TO DECEMBER 31, 1916.

APPROVED:

STATE AGENT.

DATE FORWARDED.

DIRECTOR OF EXTENSION WORK.

ANNUAL REPORT FORM AND INSTRUCTIONS TO AGENTS.

The agent's annual report should be a complete summary of all the work performed during the year. This is the only record that the officials of the Extension Division of the State and the Department have of the agent's activities.

The only means of making such a report is to keep field notes or a field diary of everything that is done each day. It is well to not only keep notes of things actually done, but to make some brief observations of general conditions as found from time to time. Many things which seem of minor importance to the agent may be very valuable to the head offices when asked for detailed information regarding certain localities.

An agent's efficiency and the success of his work is necessarily judged from this office by what is contained in his report. Your District and State Agent may know that you are rendering efficient service, but it is absolutely essential to have something on record to show that the work has been done, when outside parties who can not possibly inspect your work, desire definite and accurate information in regard to the results that are being accomplished in local territory.

Every agent in the work has been instructed, by circular letter and by the supervising force at agents' meetings, as to the importance of keeping systematic records throughout the year. If this advice has been followed you should have no difficulty in rendering your annual report upon the forms which are herewith submitted. These are broad enough to include the activities of the agents in the entire territory covered by the Extension Work in

the South. Some of the questions will not apply to your local territory, and these, of course, need not be answered.

In some instances you will observe that the same form is used for several crops. Be sure to use separate sheets for each crop named under the heading. For example, take the sheet headed "Small Grains", under which are included oats, wheat, barley and rye. In this case all the demonstrations in oats should be included on one sheet, all the demonstrations in rye on another, and so on for all the crops included under this heading.

Be sure to answer the questions in the order in which they are asked, and see that you give the information called for. If this is done all the reports will be uniform when they are sent in to the State Agent's office, and in like manner the State Agents' reports will be uniform when sent to the Director's office in the State and then to the Washington Office.

It should be distinctly understood that these forms are only to summarize the statistical part of the report, and under each crop or heading such remarks, observations or points of interest as may be useful should be briefly written out. The back of the respective sheets may be used for remarks on the crop reported on. No doubt many interesting features will be called to mind, which, if written up and sent in to the State Agent's office along with the replies to these definite questions, would be very valuable in giving the report that personal touch which proves of great value and interest in all reports of this nature.

In collecting the replies to the questions of a personal nature, the agent will have to depend on his tact and good judgment in approaching the farmer. A few, no doubt, will be averse to furnishing you with some of the information

asked for, but if reliable data could be collected with reference to these points, it would enable the Department to get a rather definite idea as to the beneficial effects of the demonstration work in your section.

The forms that we are sending out include the following crops, groups of crops, and other miscellaneous work of the County Agent:

CROPS:

Corn
Cotton
Tobacco
Small Grain
Hay & Forage
Cover Crops
Summer Legumes
Potatoes (Irish & Sweet)
Truck Crops & Gardens
Sugar Cane
Orchards

LIVE STOCK:

Horses
Dairy Cattle
Beef Cattle
Hogs
Sheep & Goats
Poultry
Live Stock Diseases & Pests.

OTHER WORK:

Fertilizers
Farm Manures
Silos
Dipping Vats
Seed Selection
Liming
Rotations
Pastures
Organizations
Farm Buildings
Drainage
Farm Machinery & Tools
Clearing Land, Stumps, etc.
Timber & Wood Lots
Miscellaneous Demonstration Work
Effect of Demonstration Work on
Community and Human Interest
Features
Boys' & Girls' Clubs.

If there is anything in any of these forms that is not thoroughly understood, discuss the matter with your District or State Agent or write to this Office for a more specific explanation.

Three years ago there was not
ten bushels good seed corn planted
in the County last Spring fifty seven
bushels of pure tested seed corn was planted
on my recommendation, while others
procured seed themselves making something
like one hundred bushels in all planted.
One hundred & fifty bushels of Borne Co
Caseys, Leachings & other varieties have
been selected for next Spring -

C. O. R. N.

(INCLUDING KAFIR, MILO, FETERITA)
SEPARATE SHEET FOR EACH.

U. S. D. E. NO. 200 A

New Castle

(Agent's Headquarters)

Wm O Martin

(Name of Agent)

1. Number of demonstrators 19
2. Number of demonstrators reporting 17
3. Total acreage of corn grown under improved methods on demonstration farms 139
4. Average yield per acre on demonstrations (bushels) 56 1/2
5. Increased yield on demonstrations over ordinary methods 26
6. Number of cooperators 12 Acreage 96 Yield per A. 48 bu.
7. Number who planted pure or selected seed on their demonstrations 19
8. Number of farmers you have influenced to select seed for next year's crop 90. Estimated amount of seed selected 120 bu.
9. Number who fall plowed their demonstration acres 12
10. Number who turned under cover crops on their demonstration acres 9
11. State number of acres harvested for silage _____ Yield per A. _____ tons.
12. State number of acres "hogged down" _____ Value per acre when utilized this way \$ _____
13. State number of acres treated for diseases or insect pests _____
14. How many farmers have you influenced to use better methods in growing corn this year? 150
15. Estimate total number of farmers in county who have been influenced to use better methods in corn growing since county agent work started 200
16. What per cent is this of total number of farmers in your county? 55%

(FOR REMARKS, INCIDENTS, SPECIAL REPORTS, ETC. USE OTHER SIDE, AND ADDITIONAL SHEETS IF NECESSARY.)

COTTON.

1. Number of demonstrators _____
2. Number of demonstrators reporting _____
3. Total acreage grown under improved methods on demonstration farms _____
4. Average yield per acre on demonstrations (Pounds seed cotton) _____
5. Increased yield per acre on demonstrations over ordinary methods _____
6. Number of cooperators _____, Acreage _____, Yield per acre in pounds _____
7. Number of demonstrators who planted pure or selected seed _____
8. Number of farmers you have induced to field select seed for next year's crop _____
9. How many fall plowed their demonstration acres? _____
10. How many turned under cover crops on their demonstration acres? _____
11. State the number of acres treated for diseases or insect pests _____
12. How many farmers have you influenced to use better methods in cotton growing this year? _____
13. Estimate the total number of farmers in your county who have used improved methods in cotton growing since county agent work was started _____
14. What per cent of all the farmers of your county has been reached? _____
15. Have you been able to get the farmers in any community to grow but one variety of cotton? _____ Give particulars _____

TOBACCO.

1. Number of demonstrators _____
2. Number of demonstrators reporting _____
3. Total acreage in demonstration _____
4. Average yield per acre (pounds) _____
5. Increased yield of demonstrations over ordinary methods _____
6. How many farmers have you induced to plant pure or selected seed? _____
7. How many farmers have you induced to field select seed for next year's crop? _____
8. How many fall plowed their demonstration acres? _____
9. How many turned under cover crops on their demonstration acres? _____
10. How many tobacco farmers did you influence to adopt a rotation system? _____
11. State the number of acres treated for insect pests _____
12. Estimate the total number of acres in your county which were worked by improved methods due to the county agent's influence _____

SMALL GRAINS.
(OATS, WHEAT, RYE, BARLEY, BUCKWHEAT.)

SPACE FOR AGENT'S STAMP.
W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

Oats

DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH.

1. Number of demonstrators 13
2. Number of demonstrators reporting 13
3. Total acreage in this crop grown under improved methods on demonstration farms 112
4. Average yield per acre on demonstration farms (bushels) 38.4
5. Increased yield on demonstrations over ordinary methods (bushels) 13
6. Number of cooperators 6 Acreage 42 Yield per acre (bushels) 33
7. Number of demonstration acres threshed for grain 25
8. Number of demonstration acres cut for hay _____
9. Average yield of cured hay per acre on demonstrations (tons) _____
10. Increase per acre of cured hay on demonstrations over ordinary methods (tons) _____
11. Number of acres grazed off _____ Estimated value per acre \$ _____
12. Number of acres turned under for soil improvement _____
13. How many acres were treated for insect pests? _____
14. How many bushels of seed were treated for smut, rust, etc! 35
15. How many farmers have you induced to plant this crop for the first time! 10
16. Estimate total number of farmers in your territory who have been influenced to sow this crop since county agent's work started _____

17. What per cent is this of the total number of farmers in the county?

Oats is one of the staple crops all farmers said a few

*NOTE. UNDER "REMARKS" STATE THE NATURE AND RESULTS OF TREATMENT FOR DISEASE OR INSECT PESTS.

USE OTHER SIDE OF SHEET FOR THIS.

Wheat is the most staple crop of
the County, all farmers grow some.
I have influenced a number of
farmers to grow more wheat and
prepare his seed bed better, using
better seed etc.

SMALL GRAINS.
(OATS, WHEAT, RYE, BARLEY, BUCKWHEAT.)

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

Wheat

DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH.

1. Number of demonstrators 18
2. Number of demonstrators reporting 18
3. Total acreage in this crop grown under improved methods on demonstration farms 270
4. Average yield per acre on demonstration farms (bushels) 26.4
5. Increased yield on demonstrations over ordinary methods (bushels) 12
6. Number of cooperators 14 Acreage 140 Yield per acre (bushels) 20
7. Number of demonstration acres threshed for grain 270
8. Number of demonstration acres cut for hay _____
9. Average yield of cured hay per acre on demonstrations (tons) _____
10. Increase per acre of cured hay on demonstrations over ordinary methods (tons) _____
11. Number of acres grazed off _____ Estimated value per acre \$ _____
12. Number of acres turned under for soil improvement _____
13. How many acres were treated for insect pests? _____
14. How many bushels of seed were treated for smut, rust, etc? _____
15. How many farmers have you induced to plant this crop for the first time? _____
16. Estimate total number of farmers in your territory who have been influenced to sow this crop since county agent's work started _____
17. What per cent is this of the total number of farmers in the county? _____

NOTE. UNDER "REMARKS" STATE THE NATURE AND RESULTS OF TREATMENT FOR DISEASE OR INSECT PESTS.
USE OTHER SIDE OF SHEET FOR THIS.

Rye is not successfully grown
for the grain in a great portion
of the county. It is largely
grown for a winter corn crop.

SMALL GRAINS.
(OATS, WHEAT, RYE, BARLEY, BUCKWHEAT.)

SPACE FOR AGENT'S STAMP

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

Rye

DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH.

1. Number of demonstrators 16
2. Number of demonstrators reporting 16
3. Total acreage in this crop grown under improved methods on demonstration farms 118
4. Average yield per acre on demonstration farms (bushels) 19
5. Increased yield on demonstrations over ordinary methods (bushels) _____
6. Number of cooperators _____ Acreage _____ Yield per acre (bushels) _____
7. Number of demonstration acres threshed for grain 18
8. Number of demonstration acres cut for hay _____
9. Average yield of cured hay per acre on demonstrations (tons) _____
10. Increase per acre of cured hay on demonstrations over ordinary methods (tons) _____
11. Number of acres grazed off _____ Estimated value per acre \$ _____
12. Number of acres turned under for soil improvement 100
13. How many acres were treated for insect pests? 0
14. How many bushels of seed were treated for smut, rust, etc? _____
15. How many farmers have you induced to plant this crop for the first time? 50
16. Estimate total number of farmers in your territory who have been influenced to sow this crop since county agent's work started 75
17. What per cent is this of the total number of farmers in the county? 10%

*NOTE: WHEN "REMARKS" STATE THE NATURE AND RESULTS OF TREATMENT FOR DISEASE OR INSECT PESTS, USE OTHER SIDE OF SHEET FOR THIS.

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

HAY, FORAGE, OR COVER CROPS.

(NOTE:- This form to be used for such crops as Alfalfa, Crimson, Alsike, Red, Bur and Sweet Clovers, Lespedez, Vetch, Vetch and Oats & Wheat or Rye, Crimson Clover and Oats - Wheat or Rye, Timothy, Mixed Grasses and Clovers, Sudan, Johnson and other Grasses, Sorghum, Millet, etc. Any combination of these or other similar crops should be reported on this form, the name of the crop or combination to be entered in the space below.)

Crimson Clover

DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH.

- Number of demonstrators 38
- Number of demonstrators reporting 38
- Total acreage in this crop grown under improved methods on demonstrations 390
- Average yield per acre on demonstrations 2 (tons of cured hay)
- Number of acres cut for hay 12
- Increased yield of demonstrations over ordinary methods _____ (tons cured hay)
- Number of acres grazed off 22
- Estimated value per acre of grazing \$ 6.00
- Number of cooperators 16 Acreage 90 Yield per acre cured hay (tons) 2
- How many acres of legumes in this class of crops were inoculated? 300
- How many farmers ordered inoculating material through you from the Dept? 15
- How many demonstration acres were turned under for soil improvement purposes? 445
- Estimate total number of acres in county turned under by agent's advice 450
- How many acres were sown this fall? 350
- Estimate acreage grown in county before county agent's work started 10
- What is your estimate of the increased acreage of this crop in the county as the result of the agent's influence? Give increase by year if possible.
 First year's increase _____ Third year's increase _____
 Second " " _____ Fourth " " _____

At the time demonstration work
began in this County there were no
grasses seeded in August without
corn crop. The farmers all over
the County after seeing some demonstration
of grass seeded in August are discing
their wheat stubble and seeding in
grass.

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

HAY, FORAGE, OR COVER CROPS.

(NOTE:-- This form to be used for such crops as Alfalfa, Crimson, Alsike, Red, Bar and Sweet Clovers, Lespedez, Vetch, Vetch and Oats - Wheat or Rye, Crimson Clover and Oats - Wheat or Rye, Timothy, Mixed Grasses and Clovers, Sudan, Johnson and other Grasses, Sorghum, Millet, etc. Any combination of these or other similar crops should be reported on this form, the name of the crop or combination to be entered in the space below.)

Mixed Grasses

DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH.

- Number of demonstrators 22
- Number of demonstrators reporting 22
- Total acreage in this crop grown under improved methods on demonstrations 350
- Average yield per acre on demonstrations 2 1/2 (tons of cured hay)
- Number of acres cut for hay 310
- Increased yield of demonstrations over ordinary methods 1/2 (tons cured hay)
- Number of acres grazed off 40
- Estimated value per acre of grazing \$ 6.00
- Number of cooperators 16 Acreage 178 Yield per acre cured hay (tons) 2
- How many acres of legumes in this class of crops were inoculated? 75
- How many farmers ordered inoculating material through you from the Dept? 12
- How many demonstration acres were turned under for soil improvement purposes? 60
- Estimate total number of acres in county turned under by agent's advice 300
- How many acres were sown this fall? 180
- Estimate acreage grown in county before county agent's work started _____
- What is your estimate of the increased acreage of this crop in the county as the result of the agent's influence? Give increase by year if possible.
 First year's increase _____ Third year's increase _____
 Second " " _____ Fourth " " _____

We have been experimenting for two
years with alfalfa and I find
where the farmer will prepare his
seed bed, use lime and phosphoric
acid he can grow alfalfa.

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

HAY, FORAGE, OR COVER CROPS.

(NOTE: - This form to be used for such crops as Alfalfa, Crimson, Alsike, Red, Bur and Sweet Clovers, Lespedez, Vetch, Vetch and Oats - Wheat or Rye, Crimson Clover and Oats - Wheat or Rye, Timothy, Mixed Grasses and Clovers, Sudan, Johnson and other Grasses, Sorghum, Millet, etc. Any combination of these or other similar crops should be reported on this form, the name of the crop or combination to be entered in the space below.)

Alfalfa

DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH.

- Number of demonstrators 4
- Number of demonstrators reporting 4
- Total acreage in this crop grown under improved methods on demonstrations 16
- Average yield per acre on demonstrations 5 1/2 (tons of cured hay) 3 cuttings
- Number of acres cut for hay 16
- Increased yield of demonstrations over ordinary methods _____ (tons cured hay)
- Number of acres grazed off _____
- Estimated value per acre of grazing \$ _____
- Number of cooperators _____ Acreage _____ Yield per acre cured hay (tons) _____
- How many acres of legumes in this class of crops were inoculated? 16
- How many farmers ordered inoculating material through you from the Dept? 4
- How many demonstration acres were turned under for soil improvement purposes? _____
- Estimate total number of acres in county turned under by agent's advice _____
- How many acres were sown this fall? _____
- Estimate acreage grown in county before county agent's work started 0
- What is your estimate of the increased acreage of this crop in the county as the result of the agent's influence? _____ Give increase by year if possible.

First year's increase _____	Third year's increase _____
Second " " _____	Fourth " " _____

HAY, FORAGE, OR COVER CROPS.

(NOTE: - This form to be used for such crops as Alfalfa, Crimson, Alsike, Red, Bur and Sweet Clovers, Lespedez, Vetch, Vetch and Oats - Wheat or Rye, Crimson Clover and Oats - Wheat or Rye, Timothy, Mixed Grasses and Clovers, Sudan, Johnson and other Grasses, Sorghum, Millet, etc. Any combination of these or other similar crops should be reported on this form, the name of the crop or combination to be entered in the space below.)

DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH.

1. Number of demonstrators _____
2. Number of demonstrators reporting _____
3. Total acreage in this crop grown under improved methods on demonstrations _____
4. Average yield per acre on demonstrations _____ (tons of cured hay)
5. Number of acres cut for hay _____
6. Increased yield of demonstrations over ordinary methods _____ (tons cured hay)
7. Number of acres grazed off _____
8. Estimated value per acre of grazing \$ _____
9. Number of cooperators _____ Acreage _____ Yield per acre cured hay (tons) _____
10. How many acres of legumes in this class of crops were inoculated? _____
11. How many farmers ordered inoculating material through you from the Dept? _____
12. How many demonstration acres were turned under for soil improvement purposes? _____
13. Estimate total number of acres in county turned under by agent's advice _____
14. How many acres were sown this fall? _____
15. Estimate acreage grown in county before county agent's work started _____
16. What is your estimate of the increased acreage of this crop in the county as the result of the agent's influence? Give increase by year if possible.

First year's increase _____	Third year's increase _____
Second " " _____	Fourth " " _____

These two demonstrations are the
first Soy beans grown in the
County. The crop grows very successfully
and I am going to advise the
seeding of a large acreage next
year.

SUMMER LEGUMES.
 (COWPEAS, SOY BEANS, VELVET BEANS, PEANUTS, ETC.)

W. O. MARTIN,
 Agent,
 NEW CASTLE, VIRGINIA.

Soy Beans

DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH.

1. Number of demonstrators 2
2. Number of demonstrators reporting 2
3. Total acreage of this crop grown under improved methods on demonstration farms 11
4. Average yield per acre on demonstrations -
 Seed (bushels) _____, Cured hay (tons) 2 1/2
5. Increased yield on demonstrations over ordinary methods -
 Seed (bushels) _____, Cured hay (tons) _____
6. Number of cooperators _____ Acreage _____ Yield per acre -
 Seed (bushels) _____, Cured hay (tons) _____
7. Total acreage of demonstrators and cooperators threshed for seed _____
8. Total acreage of demonstrators and cooperators cut for hay _____
9. Number of acres grazed off _____; Estimated value per acre of grazing \$ _____
10. Total number of acres turned under for soil improvement _____
11. Total number of acres inoculated 11 by Department cultures 11
 by inoculated soils _____
12. Give estimate of the number of acres in your territory which were planted to this crop due to your influence 11
13. If possible give the increase by years -
 First year's increase _____ acres Third year's increase _____ acres
 Second " " _____ acres Fourth " " _____ acres

SUMMER LEGUMES.
(COMPEAS, SOY BEANS, VELVET BEANS, PEANUTS, ETC.)

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

Compeas

DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH.

- Number of demonstrators 14
- Number of demonstrators reporting 14
- Total acreage of this crop grown under improved methods on demonstration farms 110
- Average yield per acre on demonstrations -
Seed (bushels) _____, Cured hay (tons) 2
- Increased yield on demonstrations over ordinary methods -
Seed (bushels) _____, Cured hay (tons) _____
- Number of cooperators _____ Acreage _____ Yield per acre -
Seed (bushels) _____, Cured hay (tons) _____
- Total acreage of demonstrators and cooperators threshed for seed _____
- Total acreage of demonstrators and cooperators cut for hay 62
- Number of acres grazed off _____; Estimated value per acre of grazing \$ _____
- Total number of acres turned under for soil improvement 50
- Total number of acres inoculated 30 by Department cultures 30
by inoculated soils _____
- Give estimate of the number of acres in your territory which were planted to this crop due to your influence _____
- If possible give the increase by years -
First year's increase _____ acres
Second " " _____ acres
Third year's increase _____ acres
Fourth " " " _____ acres

SUMMER LEGUMES.
 (COWPEAS, SOY BEANS, VELVET BEANS, PEANUTS, ETC.)

DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH.

1. Number of demonstrators _____
2. Number of demonstrators reporting _____
3. Total acreage of this crop grown under improved methods on demonstration farms _____
4. Average yield per acre on demonstrations -
 Seed (bushels) _____, Cured hay (tons) _____
5. Increased yield on demonstrations over ordinary methods -
 Seed (bushels) _____, Cured hay (tons) _____
6. Number of co-operators _____ Acreage _____ Yield per acre -
 Seed (bushels) _____, Cured hay (tons) _____
7. Total acreage of demonstrators and co-operators pressed for seed _____
8. Total acreage of demonstrators and co-operators cut for hay _____
9. Number of acres grazed off _____; Estimated value per acre of grazing \$ _____
10. Total number of acres turned under for soil improvement _____
11. Total number of acres inoculated _____ by Department cultures _____
 by inoculated soils _____
12. Give estimate of the number of acres in your territory which were planted to this crop due to your influence _____
13. If possible give the increase by years -
 First year's increase _____ acres Third year's increase _____ acres
 Second " " _____ acres Fourth " " _____ acres

POTATOES.
(SWEET OR IRISH.)

SPACE FOR AGENT'S STAMP.

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

Irish

DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH.

1. Number of demonstrators 16
2. Number of demonstrators reporting 16
3. Total acreage of potato demonstrations 8
4. Average yield per acre on demonstrations (bushels) 150
5. Estimate number of acres treated for diseases, insects and pests, due to your influence 3
6. Estimate number of acres worked by improved methods due to your advice 8
7. Estimate number of acres in potatoes when agent's work started _____ Now _____
8. Estimate number of acres increased due to county agent's work _____
9. Have you been able to assist in marketing the crops? _____

This crop is only grown for home use

ORCHARDS.

SPACE FOR AGENT'S STAMP.

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

1. Number of demonstration home orchards 28
Kind: Apple 28 Peach _____ (etc.)
2. Total number of trees in these demonstrations 850 Give statement of results on reverse side.
3. Number of orchards inspected - - - - - 31, No. trees 980
4. Number of orchards pruned due to your influence - 28, No. trees 850
5. Number of orchards sprayed due to your influence - 11, No. trees 340
6. Number of peach orchards wormed due to your influence _____, No. trees _____
7. Number of orchards planted due to your influence - 4, No. trees 90
- TOTAL 74 2260
8. How many commercial orchards have you assisted in caring for? 0
9. How many trees did you actually spray? _____, Prune _____, Worm _____
10. Report of special campaigns, results, etc.

HORSES.

SPACE FOR AGENT'S STAMP.

W. O. MAHWIN,
Agent,
NEW CASTLE, VIRGINIA.

1. Give number of pure blood stallions 3, and jacks 1, brought into the county this year due to your influence.
2. Give number of brood mares brought in due to your influence _____
3. Give number of demonstrations in feeding horses or mules _____
4. Give number of horses or mules in these demonstrations _____
(Give results under "Remarks".)
5. Give number of horses or mules fed and cared for according to methods you have advocated _____
6. Give number of pure blood stallions in county when demonstration work started 4, Number now 12
7. Give number of pure blood jacks in county when demonstration work started 2, Number now 5

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

DAIRY CATTLE.

1. How many head of pure bred dairy stock have been brought into the county through your influence? Bulls 3, Cows or Heifers 11.
2. How many grade dairy cows have been brought into the county for breeding purposes through your influence? 14
3. How many cows have been tested at your instance to determine the profitable milk producers? 38
4. Do you carry or own a Babcock tester? yes
5. How many farmers have been induced to feed a better balanced ration to their stock? _____ How many head of stock so fed? _____
(Give results under "Remarks".)
6. How many demonstrations in dairy work have you supervised? _____
7. How many cows in these demonstrations? _____ (Give results under "Remarks".)
8. How many new creameries established this year due to your influence? _____
9. How many pure bred dairy bulls in the county when county agent work was started? 0 How many now? 2
10. How many pure bred dairy cows in the county when county agent work was started? 0 How many now? 17
11. How many new cream routes established this year due to the influence of the county agent's work? _____
12. How many cow testing associations established under your influence? _____
13. How many dairy breeders? " " " " " " _____

W. O. MARTIN
Agent
NEW CASTLE, VIRGINIA

BEEF CATTLE.

1. How many head of pure blood beef cattle have been brought in this year through your influence: Bulls 8, Cows or heifers 4.
2. How many head of grade cows have been brought in for breeding purposes through your influence: 12
3. How many beef breeding herds were started, due to your influence? _____
4. How many head of feeding cattle have been brought in through your influence: 120
5. How many beef feeding demonstrations did you supervise? _____
6. How many cattle in these demonstrations? _____
7. On how many of these demonstrations were records kept? _____
(Give methods, dates and results in dollars, gains made, cost of gains, total profit, etc., under "Remarks")
8. Estimate the number of beef cattle cared for according to methods which you advocated.
Number of cattle where methods were wholly followed _____
" " " " " partially " _____
(Give results of these methods and special campaigns along beef cattle lines under "Remarks".)
9. Number of beef cattle breeders' associations or clubs formed _____
Number of members _____
10. Number of pure blood beef bulls in county when demonstration work started 3; Number now 11
11. Number of pure blood beef cows in county when demonstration work started 6; Number now 28
12. Give increase in shipments of beef cattle from the county by years since demonstration work started; I do not know that there is any increase but the quality is better

DIPPING VATS.

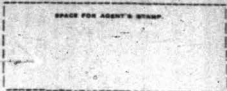
1. How many dipping vats have been built this year through your influence? _____
2. How many have you helped to construct? _____
3. How many have you helped to fill with the solution? _____
4. For how many have you tested the solution? _____
5. Total number built in county by all forces during the year _____
6. Total number in the county at this time _____
7. Estimate the total number of cattle dipped during the year _____
8. Give yearly increase in the number of vats in county _____

1st year's increase _____	3rd year's increase _____
2nd " " _____	4th " " _____

H O G S.

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

- How many head of pure blood hogs have been brought in this year due to your influence? 22 Boars 9 Sows or gilts 13
- How many extra head of pure blood and grade sows have been bred, due to your influence? 40
- How many herds have been started? 8
- How many hog feeding demonstrations did you supervise? _____
- How many hogs in these demonstrations? _____
- On how many of these demonstrations were records kept? _____
(Give results in dollars, rate of gain, amount and cost of gain, total profit, detailed statements of production, etc., and attach hereto.)
- Give number of farmers, number of hogs and results of "hogging off" or grazing of crops, in same manner as above.
- How many hog pastures have you induced farmers to start? 3
- Give number of farmers induced to start the growing of grazing crops for hogs 3
- Estimate number of hogs fed or cared for according to methods which you advocated 100
- Give number of pure blood boars when demonstration work started 8 Nov 14
- " " " hogs in county " " " 500 Nov 750
- Give increase in shipment of hogs from the county by years since demonstration work started Very few shipped



SHEEP AND GOATS.

DEMONSTRATION.

SPECIFY IF SHEEP OR GOATS - SEPARATE SHEET FOR EACH.

1. How many head of pure bred rams have been brought into the county through your influence? _____; How many Ewes? _____.
2. How many grade ewes have been brought into the county for breeding purposes due to your work? _____
3. How many flocks have been started? _____
4. How many sheep feeding demonstrations did you supervise? _____
5. How many sheep in these demonstrations? _____
6. On how many of these demonstrations were records kept? _____
(Give statement of production in dollars, rate, amount and cost of gain, profit, etc., and attach hereto.)
7. Give results of grazing of crops in same manner as above.
8. Number of farmers induced to grow grazing crops for sheep _____
9. Estimated number of sheep fed or cared for according to methods which you advocated _____
10. Number of pure blood rams in county when demonstration started _____, Now _____
11. " " " " sheep " " " " " _____, Now _____
12. Give results of campaign for more sheep, eradication of dogs, etc., under "Remarks".
13. Give increase in shipments of sheep from county by years since work started

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

P O U L T R Y .

1. How many poultry demonstrations? _____
2. Number of each kind of poultry grown and cared for according to methods which you advocate.

Chickens 1500Turkeys 1200

Ducks _____

Geese _____

Guineas _____

3. On how many farms has poultry management been improved as a result of your work? 50 Number of birds on these farms 2700
4. Do you give advice on poultry diseases? _____ (Give results under "Remarks.")
5. How many farmers have you induced to produce non fertile eggs? _____
6. Give number of eggs produced _____ Average price (doz.) _____ ¢
7. How many communities are raising same kind of poultry? _____
8. Are poultry products collected on cream routes? _____

I am working on a poultry campaign at this time, soliciting boys and girls to join club promising to purchase at least one pure bred sitting of eggs and exhibit stock grown from same at poultry show next fall

**LIVE STOCK
DISEASES AND PESTS.**

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

1. How many head of stock have you or other extension workers induced farmers to have treated for diseases or pests?

Cattle treated for blackleg 60, anthrax or charbon _____,
 " " " tuberculosis _____, ticks _____, lice _____,
 " " " digestive and other troubles _____
 (Give results under "Remarks".)

Hogs treated for cholera (single treatment) - - _____,
 " " " (simultaneous treatment) - - _____,
 " " " worms _____, lice _____, mange _____,
 " " " digestive and other troubles - - _____
 (Give results under "Remarks".)

Sheep treated for stomach worms _____, grubs _____, scab _____,
 " " " ticks _____, Digestive and other _____
 (Give results under "Remarks".) troubles _____

Horses treated for spinal meningitis _____, distemper _____,
 " " " digestive ailments _____, accidents _____,
 " " " anthrax or charbon _____, other _____
 (Give results under "Remarks".) troubles _____

2. How many of the above did you actually treat or test?

Cattle: Blackleg 60, Anthrax or Charbon _____,
 Tuberculosis _____
 Hogs: Hog cholera _____
 Horses: Anthrax or Charbon _____

3. Have you instruments for such treatments? _____
 4. Give results of campaigns for eradication or control of diseases or pests. _____
 5. Have you assisted in any way in the control of foot-and-mouth disease;
 if so, how? _____

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

FERTILIZER.

1. How many farmers have you advised regarding proper use of fertilizers? 300
2. How many fertilizer demonstrations are the farmers conducting with you? 14
3. How much fertilizer used on such demonstrations? 32 (tons)
4. How many communities have you influenced to buy fertilizers cooperatively? 2
 - (Quantity bought cooperatively - - 80 (tons)
 - Value of Fertilizer bought cooperatively - - \$ 1520.00
 - Amount saved - - - - - \$ 240.00
5. Number of farmers home-mixing fertilizer on your advice 8
6. Estimated saving per ton to farmers \$ 3.50
7. Number of farmers who top-dressed crops with fertilizer at your suggestion 12

MANURE.

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

1. How many farmers have you induced to take better care of farm manure? 60
2. How many have provided manure sheds at your suggestion? 12
3. How many are composting farm manure and waste products?
4. How many manure spreaders are in the county? 6
5. How many have you helped to place? 4
6. How many farmers are using phosphate or other materials for reenforcing farm manure? 4
7. Estimated quantity of farm manure now being saved in your territory 900 (tons).

S Y L O S .

SPACE FOR AGENT'S SIGNATURE

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

1. How many silos built in county this year? 4
 2. How many silos built as a result of your advice? 4
 3. How many silos were in county when county agent's work was started? 1

How many in county now? 12

4. Of the number of silos in county now there are:

Tile 1, Cement , Stave 11, Stone , Other .

5. Give growth in number of silos by years:

First year (19)

Second year (19)

Third year (19)

Fourth year (19)

W. O. MARTIN
Agent,
NEW CASTLE, VIRGINIA.

L I M E .

1. Number of farmers using lime due to your influence 68
2. Number of tons used due to your influence 950
 Burned lime 150 Limestone or its equivalent 800
3. Number of acres treated first year of demonstration work _____
4. " " " " second " " " " _____
5. " " " " third " " " " _____
6. " " " " fourth " " " " _____
7. " " " " fifth " " " " _____
8. " " " " to date - - - - _____
9. Number of local sources of lime developed _____
10. Number of lime crushers installed as a result of your work 3
11. Number of kilns built as a result of your work _____

We have three portable lime grinding machines in the County going from one farm to another.

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

ORGANIZATION.

1. How many farmers' clubs have you assisted in organizing? 4
2. Give total membership of these clubs 68
3. Give the name and address of each club and state briefly the object of each.
(Use other side if additional space is necessary.)
Maywood Citizens League, Paint Bank League
Boston Creek and Franceses Clubs,
Miss Lucy Fortson, solo etc -
4. Is there a central county organization composed of delegates from the local clubs? There will be
5. Is there any central county organization supporting your work? _____
If so, what is it called? _____
Who may be members? _____
6. What other organizations of farmers or business men cooperate with or support your work? _____
7. State the quantity of each farm product bought or sold by these organizations and the approximate saving to the farmer _____

8. Have you attempted to keep a bulletin board in your office, listing things for sale and things wanted? _____

**FARM AND FARMSTEAD
IMPROVEMENTS.**

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

THINGS DONE WITH AGENT'S ASSISTANCE AND ADVICE

1. Number of buildings erected _____
2. Number of farm buildings improved _____
3. Number of new building plans furnished _____
4. Number of farm buildings painted or whitewashed 16
5. Number of home water systems installed or improved 4
6. Number of home water systems in county before demonstration work started _____
Number now _____
7. Number of home lighting systems installed _____
8. Number of home lighting systems in county before demonstration work started _____
Number now _____
9. Number of home grounds improved _____
10. Number of farm and home sanitary conditions improved 45
11. Number of homes screened against flies and mosquitoes 32
Number of fly traps installed _____
12. Number of sanitary privies erected 62
13. Number of telephone systems installed _____
14. Number of farmers furnished plans and advised to adopt a systematic rotation _____
15. Total acreage of such rotations _____
16. Crops commonly used in these rotations: _____

17. Number of new pastures established 60
18. Number of old pastures renovated 14 Acreage 64
19. Number of drainage systems established in county _____
20. Number of farmers induced to drain all or part of their farms _____
21. Number of such acres drained - by tile _____ - by ditch _____
22. Number of farmers induced to remove stumps 14 Acreage 33
23. Number of farmers induced to terrace their sloping lands _____ Acreage _____
24. Number of home gardens planted or improved 14
25. Number of farmers induced to save surplus farm products for winter use 19
26. Number of road improving demonstrations assisted in 3
27. Number of miles of improved roads resulting therefrom 22
28. Number of farmers who planted cover crops to be turned under 35
29. Number of acres in each kind of cover crop
- | | | | |
|------|-------------------|---------|------------|
| Crop | <u>Crown Corn</u> | Acreage | <u>480</u> |
| Crop | <u>Rye</u> | Acreage | <u>100</u> |
| Crop | _____ | Acreage | _____ |
| Crop | _____ | Acreage | _____ |
30. Number of new implements and tools bought:
- | | | | | | |
|-------------------|-----------------|-----------------|-------------|------------------|-----------|
| Binders | <u>3</u> | Mowers | <u>8</u> | Hay rakes | <u>12</u> |
| Hay presses | _____ | Grain drills | <u>4</u> | Ensilage cutters | <u>1</u> |
| Gas engines | _____ | Disk harrows | <u>3</u> | Cream separators | <u>5</u> |
| Cultivators: | two horse _____ | one horse _____ | Small tools | _____ | _____ |
| Spraying machines | <u>6</u> | Etc | _____ | _____ | _____ |

MISCELLANEOUS
DEMONSTRATION WORK.W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

- | | | | |
|--|-----------------------------|-----|--|
| | DEMONSTRATORS | 582 | |
| | COOPERATORS | 328 | |
| | OTHER FARMERS | 36 | |
| | BUSINESS MEN | 22 | |
| | BOYS' & GIRLS' CLUB MEMBERS | 212 | |
1. Number of visits by agent to _____
2. Number of miles traveled. (Railroad _____) (Total 2589) (Telephone _____) (Otherwise _____) Total 2589
3. Calls on agent relative to work at office or home (Personal 310) (Telephone 61)
4. Number of farmers' meetings held under auspices of agent or Extension Division _____
5. How many meetings of all kinds did you address? 12
6. Total attendance at such meetings (approximate) 675
7. How many field meetings held by you? 12
8. Total attendance at these meetings 185
9. What per cent of time spent at office work? 5% HOW DIVIDED (CORRESPONDENCE 3%) (CONFERENCE 2%) (MISCELLANEOUS _____)
10. What per cent of time spent in field work? 95% HOW DIVIDED (SUPERVISING REG. DEM. 60) (OTHER FARM VISITS 20) (AT MEETINGS 10) (ASSISTED IN SHORT COURSE WORK _____) (ORGANIZATION 5)
11. Number of official letters written _____
12. Number of articles relating to your work prepared for publication _____
13. Number of circular letters prepared by you and sent out 14
(Give list and copy of each if possible.)
14. Number of bulletins or circulars of U. S. Department of Agriculture distributed 330
15. Number of bulletins or circulars from State College or State Department of Agriculture distributed 100
16. Number of visits to schools relating to work 38

17. In how many schools did you assist in outlining an agricultural course? _____
18. How many Extension schools or short courses did you assist in? _____
19. Total attendance at these schools? _____
20. Total number of days you were engaged in these schools? _____
21. Number of farmers who attended short courses at college as a result of your effort? _____
22. Number of boys attending Agricultural or other schools or colleges as result of club work? _____
23. How many girls attended industrial or other schools as result of girls' club work? _____
24. How many times have you been visited by specialists from college or the Department? _____
25. Was there a county fair held in your county? _____
26. How many demonstrators, cooperators and club members had exhibits? _____
27. How many prizes won? _____
28. How many demonstrations have you in truck or small fruit? _____
29. Were they successful from a financial standpoint? _____
30. How many farmers in your county are keeping cost records at your instance?
Complete _____ Partial _____
31. How many farmers in your county are practicing fall plowing as result of county agent's work? 31
32. How many farmers are selecting seed? 60
33. How many farmers are growing any kind of improved seed for sale? _____
34. How many good lots have been improved at your suggestion? _____
35. How many farmers in your county have been influenced to grow sugar cane or sorghum for syrup? _____

**EFFECT OF DEMONSTRATION
WORK ON THE COMMUNITY AND
HUMAN INTEREST FEATURES.**

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

(The data called for on the other sheets are mostly statistical. The replies to the following questions are intended to furnish a basis from which to make an estimate of the general effect of the demonstration work on the individual and the community. The agent should not restrict his general information to the questions asked, but should give any additional facts that will bring out prominently the good effects of the influence the agent's work has exerted over any individual or over the county in general. Each agent should give at least one human interest story. It would be much better if such stories could take up the work with the individual and follow it through for several years.)

HOW MANY OF YOUR DEMONSTRATORS AND COOPERATORS ARE:

- Raising practically all their home supplies? 80%
- Have opened new bank accounts since beginning demonstration work? _____
- Have increased their bank deposits since beginning demonstration work? _____
- Own their farms? 90%
- Have mortgages on their farms? 5%
- Have paid off their mortgages since beginning demonstration work? _____
- Trading on a cash basis since beginning demonstration work? _____
- Do the bankers and merchants favor demonstration farmers in placing business, such as in the loaning of money and extension of credit?
If so, give examples: _____

Yes

WHAT PER CENT OF YOUR DEMONSTRATORS AND FARMERS ARE:

- Decreasing their indebtedness along various lines? _____
- Showing increased interest in agricultural meetings? 60%

11. Showing a desire to study their farm business and progress? _____
12. What additional industries have been established in your territory since demonstration work was begun? _____
13. What other signs of progress are apparent as a direct, or indirect, result of demonstration and extension work? _____
14. In how many instances among your demonstrators and cooperators have labor saving devices for the home been installed? _____
15. Name some of the more noticeable effects on the farmer's home and family, of his greater earning power due to better methods; such as increased opportunities for social intercourse, amusements, entertainments, greater contentment with farm life, increased interest in church work, etc. Give instances:

W. O. MARTIN,
Agent,
NEW CASTLE, VIRGINIA.

BOYS' AND GIRLS' CLUBS.

How long has the Club Work been in your county? *3 years*

List the various kinds of clubs organized, and state the enrollment in each, number reporting, average yield, number and value of prizes.

KIND OF CLUB	ENROLLMENT	NO. REPORTING	AVERAGE YIELD	NO. OF PRIZES	VALUE OF PRIZES
<i>Corn Club</i>	<i>16</i>			<i>3</i>	<i>40.00</i>
<i>Pig Club</i>	<i>14</i>			<i>2</i>	<i>20.00</i>
<i>Repts not in yet</i>					