

Cooperative 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 191

DUE DECEMBER 31, 191

STATE. Virginia COUNTY. Orange
REPORT OF W. L. Kirby COUNTY AGENT.
See
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 of 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 withheld to, 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 or observations or points of interest as may be useful should be briefly written out. 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 final 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
Lime
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.

COOPERATIVE EXTENSION WORK
OR
AGRICULTURE AND HOME ECONOMICS
STATE OF VIRGINIA

VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE
AND UNITED STATES DEPARTMENT OF
AGRICULTURE, WASHINGTON

EXTENSION DIVISION
VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE

Corn.

While corn growing seasons of the oldest industries of Boone County and many methods used in slave times are still continued nevertheless there is more real progress in this branch of farming than any other since demonstration work began. At first an inferior breed of corn was used and farmers were paying no attention at all to seed selection. They were prejudiced against Boone County Seed on account of the excessive rotting. They simply traded corn with their neighbors and pick it out of their bins. I introduced Government corn # 119, an improved Boone County Variety and many farmers are now using it. In fact I think it is safe to say that 75% of the farmers will use this seed next year for I have some growers in every community

Deeper plowing, subsoiling, Fall plowing, Better preparation of the land are all followed by the farmers as well as selection of seed.

CORN.

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

U.S. NO. 800 A

Yadonville Va
(Agent's Headquarters)W. P. Kirby
(Name of Agent)

1. Number of demonstrators 37
2. Number of demonstrators reporting 12
3. Total acreage of corn grown under improved methods on demonstration farms 1160
4. Average yield per acre on demonstrations (bushels) 58
5. Increased yield on demonstrations over ordinary methods 36
6. Number of cooperators 46 Acreage 1300 Yield per A. 40 bu.
7. Number who planted pure or selected seed on their demonstrations 39
8. Number of farmers you have influenced to select seed for next year's crop 86. Estimated amount of seed selected 1200 bu.
9. Number who fall plowed their demonstration acres 32
10. Number who turned under cover crops on their demonstration acres 4
11. State number of acres harvested for silage 1600 Yield per A. 9 1/2 tons.
12. State number of acres "hogged down" 26 Value per acre when utilized this way \$ 23.00
13. State number of acres treated for diseases or insect pests 500
14. How many farmers have you influenced to use better methods in growing corn this year? 700
15. Estimate total number of farmers in county who have been influenced to use better methods in corn growing since county agent work started 1200
16. What per cent is this of total number of farmers in your county? 9 1/2%

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

COTTON.

1st Year

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 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 _____

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

TOBACCO.

Not Grown

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 _____

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

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

W. L. KIRBY,
Agent,
GORDONSVILLE, VIRGINIA

Oats

DEMONSTRATION.

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

1. Number of demonstrators 11
2. Number of demonstrators reporting 4
3. Total acreage in this crop grown under improved methods on demonstration farms 321
4. Average yield per acre on demonstration farms (bushels) 30 1/2
5. Increased yield on demonstrations over ordinary methods (bushels) 12
6. Number of cooperators 17 Acreage 260 Yield per acre (bushels) 28
7. Number of demonstration acres threshed for grain 321 Yield per A. bu. 30 1/2
8. Number of demonstration acres cut for hay 0
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 _____ Estimate 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? 12
15. How many farmers have you induced to plant this crop for the first time? 2
16. Estimate total number of farmers in your territory who have been influenced to sow this crop since county agent's work started. 10
17. What per cent is this of the total number of farmers in the county? 190

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

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF VIRGINIA.

VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE
AND UNITED STATES DEPARTMENT OF
AGRICULTURE, COOPERATING.

EXTENSION DIVISION,
VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE

Wheat.

Much of the wheat in this County was infected with the Hessian Fly this year. In one section of the County Gout was found in nearly every field. This Fall I made a vigorous campaign to eliminate both of these troubles. I got out a circular letter and sent about 600 copies to different farmers urging them to take the necessary steps to control the Gout, plant after the Hessian Fly season, to use pure seed of the standard varieties and to fertilize right. Result more wheat is planted here than ever before, land is prepared better and pure seed has been used.

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

W. L. KIRBY,

Agent

GEORGETOWN, DELAWARE, VIRGINIA

Wheat DEMONSTRATION.

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

1. Number of demonstrators 23
2. Number of demonstrators reporting 22
3. Total acreage in this crop grown under improved methods on demonstration farms 890
4. Average yield per acre on demonstration farms (bushels) 19
5. Increased yield on demonstrations over ordinary methods (bushels) 86
6. Number of cooperators 44 Acreage 246 Yield per acre (bushels) 15
7. Number of demonstration acres threshed for grain _____ Yield per A. bu. _____
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 _____ Estimate value per acre \$ _____
12. Number of acres turned under for soil improvement _____
13. How many acres were treated for insect pests? 40
14. How many bushels of seed were treated for smut, rust, etc? 25
15. How many farmers have you induced to plant this crop for the first time? 36
16. Estimate total number of farmers in your territory who have been influenced to sow this crop since county agent's work started? 20
17. What per cent of this is the total number of farmers in the county? 3

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

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

W. L. KIRBY,
Agent
GORDONSVILLE, VIRGINIA

Rye

DEMONSTRATION.

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

- Number of demonstrators 3
- Number of demonstrators reporting 1
- Total acreage in this crop grown under improved methods on demonstration farms 22
- Average yield per acre on demonstration farms (bushels) 18
- Increased yield on demonstrations over ordinary methods (bushels) 9
- Number of cooperators 4 Acreage 26 Yield per acre (bushels) 17
- Number of demonstration acres threshed for grain 22 Yield per A. bu. 18
- Number of demonstration acres cut for hay 10
- Average yield of cured hay per acre on demonstrations (tons) 1
- Increase per acre of cured hay on demonstrations over ordinary methods tons 1/2
- Number of acres grazed off 20 Estimate value per acre \$ 6.00
- Number of acres turned under for soil improvement 60
- How many acres were treated for insect pests? 0
- How many bushels of seed were treated for smut, rust, etc? 0
- How many farmers have you induced to plant this crop for the first time? 5
- Estimate total number of farmers in your territory who have been influenced to sow this crop since county agent's work started? 30
- What per cent. of this is the total number of farmers in the county? 2

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

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AND UNITED STATES DEPARTMENT OF
AGRICULTURE, COOPERATIVE

EXTENSION DIVISION,
VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE.

Alfalfa.

One of the greatest setbacks that our alfalfa growers have had has been in the seed. Far too many have had the dwarf variety and much discouragement has resulted. This year I had every Demonstrator to buy direct from G. H. Scott, Jones Marysville, Ohio. This I did after a thorough examination of the seed, their reliability and from the fact that V. P. I bought their seed from the same firm. The seed that we received this year ^{is} good and I am in hopes that our result will be better. 1

Alfalfa is being grown here more than ever before. One farmer having as much as 100 tons. It is used in feeding Dairy cows and all dairymen have some. It requires however plenty of lime and good soil.

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EXTENSION DIVISION,
VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE.

Hay.

There has been more hay harvested in Orange County this year than ever before. This is due to both the good season and more attention to how it is sown. Line has been used extensively and a special campaign for grass sown alone has been carried on. More farmers fallowed their land and sowed a mixture of grasses and they have found it to be a better money crop than wheat. The hay is clean and free from all foreign matter, it makes a better sod and will last longer. We have found it advisable to sow an early hay crop as well as late one. The mixture that is used commonly for an early hay crop is orchard grass, tall meadow oat grass, alfalfa and red clover; for late hay Timothy, herbs grass, alfalfa, and mammoth clover is used. I had one farmer to make 3 tons of hay to the acre on land that would not grow hay before. This man baled and sold a carload of hay from his farm. Before this the same farm could not supply enough to feed the stock.

HAY, FORAGE, OR COVER CROPS.

W. L. KIRBY,
Agent,
GORDONSVILLE, VIRGINIA

(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.)

On land Grass Tall meadow Out Grass Alfalfa & Red Clover
Mixed Hay — DEMONSTRATION.

ENTER HERE THE NAME OF CROP - SEPARATE SHEET FOR EACH

- Number of demonstrators 16
- Number of demonstrators reporting 3
- Total acreage in this crop grown under improved methods on demonstrations 305
- Average yield per acre on demonstrations 1 1/4 (tons of cured hay)
- Number of acres cut for hay 305
- Increased yield of demonstrations over ordinary methods 1/2 (tons cured hay)
- Number of acres grazed off 35
- Estimated value per acre of grazing \$ 7.00
- Number of cooperators _____ Acreage _____ Yield per acre cured hay (tons) _____
- How many acres of legumes in this class of crops were inoculated? _____
- How many farmers ordered inoculating material through you from the Dept? _____
- 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? 74
- 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	<u>375</u>
Second "	_____	Fourth "	<u>487</u>
			<u>690</u>

HAY, FORAGE, OR COVER CROPS.

W. E. KIRBY
Agent
GORDONSVILLE, VIRGINIA

(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.)

Oats + Vetch for Hay

DEMONSTRATION.

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

1. Number of demonstrators 8
2. Number of demonstrators reporting 5
3. Total acreage in this crop grown under improved methods on demonstrations 40
4. Average yield per acre on demonstrations 2 (tons of cured hay)
5. Number of acres cut for hay 32
6. Increased yield of demonstrations over ordinary methods 1 (tons cured hay)
7. Number of acres grazed off _____
8. Estimated value per acre of grazing \$ _____
9. Number of cooperators 6 Acreage 42 Yield per acre cured hay (tons) 1 1/2
10. How many acres of legumes in this class of crops were inoculated? all
11. How many farmers ordered inoculating material through you from the Dept? 14
12. How many demonstration acres were turned under for soil improvement purposes? 3
13. Estimate total number of acres in county turned under by agent's advice 17
14. How many acres were sown this fall? 25
15. Estimate acreage grown in county before county agent's work started 20
16. What is your estimate of the increased acreage of this crop in the county as the result of the agent's influence? 25 Give increase by year if possible.
 First year's increase _____ Third year's increase _____
 Second " " _____ Fourth " " _____

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS.
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VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE
AND UNITED STATES DEPARTMENT OF
AGRICULTURE, COOPERATIVE.

EXTENSION DIVISION,
VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE.

Cow peas and Soy Beans.

The low price in the early spring on both cow peas and soy beans stimulated the farmers into buying their seed early. Three carloads were bought cooperatively directly from the South. At that time everyone was talking cowpeas and as a consequence after placing their order they proceeded to prepare their land to sow them. A large amount of these was sown in the corn at the last cultivation. Some was sown after the wheat harvest and some sown on fallowed land and cut for hay. One farmer used them as a land improver last year on 12 acres. 13 acres in the same field was planted in corn. Wheat was sown at the same time last fall. The same fertilizer was used all over the field. Exactly the same treatment was used. When the wheat was threshed the part of the field that had been in peas yielded 39 bushels of wheat to the acre. The part that had been in corn yielded 19 bushels to the acre. This was on the farm of Mr. P. S. Boxley, Orange Co. We have found these to be our best crops and land improvers.

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

W. L. KIRBY,
Agent
GORDONSVILLE, VIRGINIA

Cow Pea —

DEMONSTRATION.

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

1. Number of demonstrators 37
2. Number of demonstrators reporting 5
3. Total acreage of this crop grown under improved methods on demonstration farms 152
4. Average yield per acre on demonstrations - Seed (bushels) _____
Cured hay (tons) 14
5. Increased yield on demonstrations over ordinary methods 14
6. Number of cooperators 65 Acreage 780 Yield per acre 144
7. Number of acres threshed for seed 0 Yield per acre _____
8. Number of acres cut for hay 825
9. Average yield per acre in tons of cured hay 14
10. Increased yield over ordinary methods 14
11. Number of acres grazed off 25 Estimated value of grazing \$ 11.00
12. Number of acres turned under for soil improvement 254
13. Total number of acres inoculated 30 by Department cultures 30
by inoculated soils _____
14. Give estimate of number of acres in your territory which were planted to this crop due to your influence 3000
15. If possible give the increase by years -
First year's increase _____ Third year's increase _____
Second " " _____ Fourth " " _____

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

W. L. KIRBY,
Agent,
GREENSBORO, N. CAROLINA

Cow Peas Soy Beans mixed DEMONSTRATION.

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

- Number of demonstrators 11
- Number of demonstrators reporting 3
- Total acreage of this crop grown under improved methods on demonstration farms 129
- Average yield per acre on demonstrations - Seed (bushels) _____
Cured hay (tons) 1 3/4
- Increased yield on demonstrations over ordinary methods 3/4
- Number of cooperators 28 Acreage 212 Yield per acre 1 1/2
- Number of acres threshed for seed 0 Yield per acre 0
- Number of acres cut for hay 120
- Average yield per acre in tons of cured hay 1 3/8
- Increased yield over ordinary methods 3/4
- Number of acres grazed off 0 Estimated value of grazing \$ _____
- Number of acres turned under for soil improvement 20
- Total number of acres inoculated 0 by Department cultures 0
by inoculated soils _____
- Give estimate of number of acres in your territory which were planted to this crop due to your influence 350
- If possible give the increase by years -
First year's increase _____ Third year's increase _____
Second " " _____ Fourth " " _____

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

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

W. L. KERRY,
Agricultural Agent
GORDONVILLE, VIRGINIA

Soy Bean

DEMONSTRATION.

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

- Number of demonstrators 8
- Number of demonstrators reporting 2
- Total acreage of this crop grown under improved methods on demonstration farms 73
- Average yield per acre on demonstrations - Seed (bushels) _____
Cured hay (tons) 12
- Increased yield on demonstrations over ordinary methods 1/2
- Number of cooperators 20 Acreage 122 Yield per acre 13
- Number of acres threshed for seed _____ Yield per acre _____
- Number of acres cut for hay 60
- Average yield per acre in tons of cured hay 12
- Increased yield over ordinary methods 1/2
- Number of acres grazed off 3 Estimated value of grazing \$12.50
- Number of acres turned under for soil improvement 10
- Total number of acres inoculated 60 by Department cultures 60
by inoculated soils _____
- Give estimate of number of acres in your territory which were planted to this crop due to your influence 300
- If possible give the increase by years -
First year's increase _____ Third year's increase _____
Second " " _____ Fourth " " _____

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

POTATOES.
(SWEET OR IRISH.)

W. L. KIRBY,
Agent,
GORDONSVILLE, VIRGINIA.

Irish Potatoes

DEMONSTRATION.

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

1. Number of demonstrators 8
2. Number of demonstrators reporting 7
3. Total acreage of potato demonstrations 6
4. Average yield per acre on demonstrations (bushels) 212
5. Estimate number of acres treated for diseases, insects and pests, due to your influence 11
6. Estimate number of acres worked by improved methods due to your advice 30
7. Estimate number of acres in potatoes when agent's work started 222 Now 250
8. Estimate number of acres increased due to county agent's work 0
9. How have you been able to assist in marketing the crops? Practically all the potatoes grown in this section are marketed here.

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

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AGRICULTURE, COOPERATING.

EXTENSION DIVISION,
VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE.

Orchards.

Mr. Kelton has given us some valuable assistance in Orchard management this year. The commercial orchards of Mr. Goss, Mr. Soserville and Mr. Sampson have been looked after. Pruning demonstrations have been held in each of these orchards as well as in all parts of the County. Varieties for home orchards have been selected and planted. Spraying has been started in orchards that have never been sprayed before. A Demonstration orchard has been selected for another year. In this orchard practically every phase of orchard management will be conducted.

ORCHARDS

W. L. KIRBY,

Special Agent
GREENSBORO, VIRGINIA

1. Number of demonstration home orchards 46
 Kind: Apple 41 Peach 5 (etc.)
2. Total number of trees in demonstrations 3000 Give results under "Remarks".
3. Number of orchards inspected 27 No. trees 2000
4. Number of orchards pruned due to your influence - 46 No. Trees 4000
5. Number of orchards sprayed due to your influence - 22 No. Trees 3000
6. Number of peach orchards wormed due to your influence 5 No. trees 200
7. Number of orchards planted due to your influence - 4 No. trees 300
- TOTAL 145 17000
8. How many commercial orchards have you assisted in caring for? 5
9. How many trees did you actually spray? 26 Prune 300 Worm 20
10. Report of special campaigns, results, etc.

HORSES.

SPACE FOR AGENT'S STAMP

W. I. KERRY,
Agent
GORDONSVILLE, VIRGINIA

1. Give number of pure blood stallions 0 and jacks 0 brought into the county this year due to your influence.
2. Give number of brood mares brought in due to your influence 0
3. Give number of demonstrations in feeding horses or mules 2
4. Give number of horses or mules in these demonstrations 2
(Give results under "Remarks".)
5. Give number of horses or mules fed and cared for according to methods you have advocated 6
6. Give number of pure blood stallions _____ and jacks _____ in county when demonstration work started _____ Number now _____

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COLLEGE AND POLYTECHNIC INSTITUTE
AND UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING.

EXTENSION DIVISION,
VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE.

Dairy Cattle.

More attention has been given to the Dairy Industry in this County than any other industry. There have been causes for this - first this is a dairy section and second the dairymen were ready. After writing and publishing a number of articles relative to cow-testing associations Prof. Hutchens came to my assistance and together we visited every dairyman in this County and some in Culpeper. With the assistance of County Agent Bruce we had a meeting at Rapidan, Va. There organized a Dairymen's Association out of which that day grew two cow-testing associations. These associations one in Orange and one in Culpeper have over 600 cows in them. We have had in Orange County an average of 14 cows on the honor roll each month. Three herds are now doing advanced registry work with the result that Orange County Cows are standing at the head of advanced work in Virginia. We have one herd of Jerseys that have averaged well in every month's test. One sale of Holstein cows averaged in a public sale \$156.00 a head. 6 new cow barns are being built. Eight pure bred bulls have been brought into the County. Farmers are paying more attention to testing than ever before.

I helped to organize a cow testing association at Hokeville.

The Beef cattle proposition is not far behind and I expect to start a pure bred bull campaign just as soon as this year's work is closed.

DAIRY CATTLE

W. L. KIRBY,
Agent
GORDONSVILLE, VIRGINIA

1. How many head of pure bred dairy stock have been brought into the county through your influence? Bulls 8 Cows or Heifers 6
2. How many grade dairy cows have been brought into the county for breeding purposes through your influence? 114
3. How many cows have been tested at your instance to determine the profitable milk producers? 914 have a counting asso.
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? 32 How many head of stock so fed? 295
(Give results under "Remarks".)
6. How many demonstrations in dairy work have you supervised? 11
7. How many cows in these demonstrations? 486 (Give results under "Remarks".)
8. How many new creameries established this year due to your influence? 0
9. How many pure bred dairy bulls when county agent's work started? 2
How many now? 25
10. How many pure bred dairy cows when county agent's work started? 3
How many now? 250
11. How many new cream routes established this year due to the influence of the agent's work? 0
12. How many cow testing associations established under your influence? 3
13. How many dairy breeders' " " " " " " 1

DIPPING VATS.

W. L. KIRBY,
Agent,
CONDONVILLE, VIRGINIA.

1. How many dipping vats have been built this year through your influence? 0
2. How many have you helped to construct? 0
3. How many have you helped to fill with the solution? 0
4. For how many have you tested the solution? 0
5. Total number built in county by all forces during the year 0
6. Total number in the county at this time 1
7. Estimate the total number of cattle dipped during the year 0
8. Give yearly increase in the number of vats in county 0

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

SHEEP AND GOATS.

W. L. KIRBY,
Agent,
GORDONSVILLE, VIRGINIA.

Sheep

DEMONSTRATION.

REPORT OF SHEEP OR GOATS - CAMPAIGN SHEET FOR EACH

- How many head of pure bred rams have been brought into the county through your influence? 6 Ewes 0
- How many grade ewes have been brought into the county for breeding purposes due to your work? 120
- How many flocks have been started? 7
- How many sheep feeding demonstrations did you supervise? 0
- How many sheep in these demonstrations? _____
- On how many of these demonstrations were records kept? _____
(Give results and statement of production in dollars, rate, amount and cost of gain, profit, etc., and attach hereto.)
- Give results of grazing of crops in same manner as above.
- Give number of farmers induced to grow grazing crops for sheep 0
- Estimate number of sheep fed or shorn for according to methods which you advocated 120
- Give number of pure blood rams when demonstration started _____ Now 20
- " " " sheep in county " " " _____ Now _____
- Give results of campaign for more sheep, eradication of dogs, etc., under "Remarks".
- Give increase in shipment of sheep from county by years since work started

POULTRY.

W. L. NIBBY,
Agent
GORDONVILLE, VIRGINIA

1. How many poultry demonstrations? 7
2. Number of each kind of poultry grown and cared for according to methods which you advocate.
- | | | | |
|----------|------------|---------|-------|
| Chickens | <u>260</u> | Turkeys | _____ |
| Ducks | _____ | Geese | _____ |
| Guinea | _____ | | |
3. On how many farms has poultry management been improved as a result of your work? 7 Number of birds on these farms 310
4. Do you give advice on poultry diseases? Some (Give results under "Remarks.")
5. How many farmers have you induced to produce non fertile eggs? 17
6. Give number of eggs produced _____ Average price (per doz.) _____ \$
7. How many communities are raising same kind of poultry? _____
8. Are poultry products collected on cream routes? No

LIVE STOCK
DISEASES AND PESTS.W. L. KIRBY,
GORDONSVILLE, 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 29 anthrax _____ charbon _____
 " " " tuberculosis _____ ticks _____ lice _____
 " " " digestive and other troubles 6

(Give results under "Remarks".)

Hogs: treated for cholera (single treatment) _____
 " " " (simultaneous treatment) _____
 " " " worms 150 lice 1200 mange 0
 " " " digestive and other troubles 10

(Give results under "Remarks".)

Sheep: treated for stomach worms 1 grab _____ scab _____
 " " " ticks _____ Digestive and other troubles _____

(Give results under "Remarks".)

Horses treated for spinal meningitis 0 distemper 6
 " " " digestive ailments 2 accidents 2
 " " " charbon _____ other troubles _____

(Give results under "Remarks".)

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

Cattle: Blackleg 29 Anthrax _____ Charbon _____ Tuberculosis _____
 Hogs: Hog cholera 0
 Horses: Charbon _____

3. Have you instruments for the purpose? Yes
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? no

FERTILIZER

W. L. KIRBY,

Agent

GORDONSVILLE, VIRGINIA

- How many farmers have you advised regarding proper use of fertilizer? 170
- How many fertilizer demonstrations are the farmers conducting with you? 3
- How much fertilizer used on them? 23200 lb
- How many communities have you influenced to buy fertilizers cooperatively? 6

Amount bought cooperatively \$ 11000Amount saved \$ 1450

- Number of farmers home-mixing fertilizer on your advice 7
- Estimate saving per ton to farmers \$2.00
- Give number of farmers who top-dressed crops with fertilizer at your suggestion 18

MANURE

W. L. KIRBY,

Agent

Lynchburg, Virginia

1. How many farmers have you induced to take better care of farm manure? 26
2. How many have provided sheds at your suggestion? 5
3. How many are composting farm manure and waste products? 13
4. How many manure spreaders are in the county? 25
5. How many have you helped to place? 1
6. How many farmers are using phosphate or other materials for reenfencing farm manure? 17
7. Estimate number of tons of farm manure now being saved in your territory 70,000

SILOS.

W. L. KIRBY
Agent
GORDONSVILLE, VIRGINIA.

1. How many silos built in county this year? 7
 2. How many silos built as a result of your advice? 1
 3. How many silos were in county when county agent's work was started? 30

How many in county now? 179

Tile 2 Cement 3 Stone 15 Other 123

4. Give growth in number of silos by years:

First year _____

Second " _____

Third " _____

Fourth " _____

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS.
STATE OF VIRGINIA.

VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE
AND UNITED STATES DEPARTMENT OF
AGRICULTURE, COOPERATIVE.

EXTENSION DIVISION,
VIRGINIA AGRICULTURAL AND MECHANICAL
COLLEGE AND POLYTECHNIC INSTITUTE.

Organization.

Every movement started here through organizations. While there has only been one farmers Club organized here this year all the Farmers organizations formerly organized have shown a steady growth and new associations like Dairymens Association, contesting associations, breeders association, leagues and clubs have all grown from the nucleus that was started last year. Cooperative work of every nature has been growing. Better roads because farmers organizations have discussed the matter and appointed committees to look after the building and upkeep of roads. A new warehouse has been built at a cost of \$300.00 given directly by the farmers at Orange. All the Farmers organizations throughout the County are now using this warehouse. This has worked because the people have been taught the value of cooperation. A warehouse has been rented at Gordonsville. One is under consideration now at Mine Run. Cooperative purchasing has been going on in every organization. Cooperative selling has been going on until now we have a central committee that will look after farmers supplies. Farmers loan associations are being talked about now and it wont be long until one or more is formed. Delegates from all farmers organizations have been appointed to go before the Board of Supervisors to obtain a woman agent on next Monday. Result better farming better business and better living.

W. J. KUMBY
 ASSISTANT COUNTY AGENT
 ROANOKE COUNTY, VIRGINIA

ORGANIZATION.

1. How many farmers' clubs have you assisted in organizing? 5
2. Give total membership of these clubs. 320
3. Give the name and address of each club and state briefly the object of each.
 (Use other side if additional space is necessary.)

4. Is there a central county organization composed of delegates from the local clubs? Yes
5. Is there any central county organization supporting your work? Yes
 If so, what is it called? Orange Co. Farmers Club & Com. The
 Who may be members? Delegates members
6. What other organizations of farmers or business men cooperate with or support your work? Godsenville Board of Trade
7. State the quantity of each farm product bought or sold by these organizations and the approximate saving to the farmer. How much of Fruit.
- | | | | |
|-----------|------|-----------|---------------|
| \$1760.00 | paid | \$1850.00 | worth of Seed |
| 400.00 | " | 2800 | " " Feed |
| 250.00 | " | 1900 | " " Lumber |
8. Have you attempted to keep a bulletin board in your office, listing things for sale and things wanted? Yes

FARM AND FARMSTEAD
IMPROVEMENTS.

THINGS DONE WITH AGENT'S ASSISTANCE AND ADVICE.

1. Number of buildings erected 1
2. Number of farm buildings improved 8
3. Number of new building plans furnished 4
4. Number of farm buildings painted or whitewashed 12
5. Number of home water systems installed or improved 1
6. Number of home water systems in county before demonstration work started
Number now _____
7. Number of home lighting systems installed 1
8. Number of home lighting systems in county before demonstration
work started _____
Number now _____
9. Number of home grounds improved 12
10. Number of farm and home sanitary conditions improved 11
11. Number of homes screened against flies and mosquitoes 12
Number of fly traps installed 4
12. Number of sanitary privies erected 17
13. Number of telephone systems installed 1
14. Number of farmers furnished plans and induced to adopt a systematic rotation 11
15. Total acreage of such rotations 2750
16. Crops commonly used in these rotations:

Corn, wheat, Grass & pasture

17. Number of new pastures established 2
18. Number of old pastures renovated 17 Acreage 225
19. Number of drainage systems established in county 3
20. Number of farmers induced to drain all or part of their farms 1
21. Number of such acres drained - by tile 12 - by ditch 26
22. Number of farmers induced to remove stumps 3 Acreage 12
23. Number of farmers induced to terrace their sloping lands 0 Acreage
24. Number of home gardens planted or improved 52
25. Number of farmers induced to save surplus farm products for winter use 18
26. Number of road improving demonstrations assisted in 1
27. Number of miles of improved roads resulting therefrom 0
28. Number of farmers who planted cover crops to be turned under 20
29. Number of acres in each kind of cover crop:

Crop Common clover Acreage 25

Crop Witch & Rye Acreage 10

Crop Rye Acreage 200

Crop Red & white Acreage 250

30. Number of new implements and tools bought:

Binders 1 Mowers 3 Hay rakes 2

Hay presses 0 Grain drills 8 Ensilage cutters 1

Gas engines 1 Disk harrows 4 Cream separators 2

Cultivators: two horse 4 one horse 2 Small tools

Spraying machines 1 Etc

**MISCELLANEOUS
DEMONSTRATION WORK.**

- | | | |
|--|---|---|
| | | <u>769</u>
<u>84</u>
<u>111</u>
<u>9</u>
<u>287</u> |
| 1. Number of visits by agent to | DEMONSTRATIONS
COOPERATIONS
OTHER PERSONS
BUSINESS MEN
SOCIETY & SINGLES CLUB MEMBERS | |
| 2. Number of miles traveled - - | (Railroad
(Team
(Otherwise | <u>1087</u>
<u>7215</u>
Total <u>8302</u> |
| 3. Calls on agent relative to work at office or home | (Personal
(Telephone | <u>84</u>
<u>108</u> |
| 4. Number of farmers' meetings held under auspices of agent or Extension Division | | <u>59</u> |
| 5. How many meetings of all kinds did you address? | | <u>41</u> |
| 6. Total attendance at such meetings (approximate) | | <u>2300</u> |
| 7. How many field meetings held by you? | | <u>5</u> |
| 8. Total attendance at these meetings | | <u>31</u> |
| 9. What per cent of time spent at office work? | HOW DIVIDED
(CORRESPONDENCE
(CONFERENCE
(MISCELLANEOUS | <u>15</u>
10
2
3 |
| 10. What per cent of time spent in field work? | HOW DIVIDED
(SUPERVISING REG. WORK
(OTHER FARM VISITS
(AT NEEDING
(ASSISTED IN SHOWING
(COURSE WORK
(ORGANIZATION | <u>85</u>
20
30
20
30 |
| 11. Number of official letters written | | <u>668</u> |
| 12. Number of articles relating to your work prepared for publication | | <u>43</u> |
| 13. Number of circular letters prepared by you and sent out (Give list and copy of each if possible.) | | <u>4</u> |
| 14. Number of bulletins or circulars of U. S. Department of Agriculture distributed | | <u>1121</u> |
| 15. Number of bulletins or circulars from State College or State Department of Agriculture distributed | | <u>30</u> |
| 16. Number of visits to schools relating to work | | <u>28</u> |

17. In how many schools did you assist in outlining an agricultural course? 3
18. How many Extension schools or short courses did you assist in? 0
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, _____ 0
22. Number of boys attending Agricultural or other schools or colleges as result of club work _____ 4
23. How many girls attended industrial or other schools as result of girls' club work? _____ 0
24. How many times have you been visited by specialists from college or the Department? _____ 13
25. Was there a county fair held in your county? Yes
26. How many demonstrators, cooperators and club members had exhibits? _____ 50
27. How many prizes won? _____
28. How many demonstrations have you in truck or small fruit? 17
29. Were they successful from a financial standpoint? Yes
30. How many farmers in your county are keeping cost records at your instance?
Complete 4 Partial 27 32
31. How many farmers in your county are practicing fall plowing as result of county agent's work? 60
32. How many farmers are selecting seed? _____ 150
33. How many farmers are growing any kind of improved seed for sale? 28
34. How many wood lots have been improved at your suggestion? _____ 1
35. How many farmers in your county have been influenced to grow sugar cane or sorghum for syrup? _____ 2

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

GORDONSVILLE, VIRGINIA

(The data called for on the other sheets are mostly statistics. 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:

1. Raising practically all their home supplies? 25%
2. Have opened new bank accounts since beginning demonstration work? 2
3. Have increased their bank deposits since beginning demonstration work? 1
4. Own their farms? 95%
5. Have mortgages on their farms? 45%
6. Have paid off their mortgages since beginning demonstration work? 2
7. Trading on a cash basis since beginning demonstration work? 20%
8. Do the bankers and merchants favor demonstration farmers in placing business, such as in the loaning of money and extension of credit? 1

If so, give examples.

WHAT PER CENT OF YOUR DEMONSTRATORS AND FARMERS ARE:

9. Decreasing their indebtedness along various lines? 2
10. Showing increased interest in agricultural meetings? 5%

11. Showing a desire to study their farm business and progress? *83-90*

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? *Biggs County farm*

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, or his greater economic 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:

Better educational facilities are constantly taking place. Four high schools are being built at this time. In some cases except one half of the necessary money has been given by farmers as a public donation. Every section of the County is clamoring for good roads and the time is now present in Grant County when the Demonstration Agent has to take any advanced steps in road building. The citizens are awake to this need and the work is going forward as fast as it is expedient.