

VIRGINIA

Appomattox County Agent Report
1922

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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 attached. 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 agent's 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.

A separate narrative report should accompany this statistical summary.

MAP OF COUNTY

SHOWING KIND AND DISTRIBUTION OF WORK

The following sheet is to be used for an outline map of your county, to show the kinds and distribution of your work. Maps larger in size than this sheet may be used if desired. In some states, suitable maps, showing topography, railroads, rivers, election districts, etc., are obtainable from the Office of the State Geological Survey. It is suggested that a copy of the map furnished with your report be kept for your own office record, unless you already have one answering the same purpose.

The map is intended to show the approximate location of your various demonstrations, community clubs, boys' clubs, etc., each kind of demonstration club, or other activity to be indicated by the same sign or mark, so that a glance at the map will give a general impression of the nature and extent of the work. Be sure to enter at some convenient place along the margin of the map sheet a key or explanation to the various marks. For example, some such set of marks and key as the following might be used:

 community organizations;	 corn;	 cotton;
 tobacco;	 wheat;	 oats;
 legumes;	 potatoes;	 orchards;
 poultry;	 silo;	 boys' clubs; or
		cream routes, etc.

Additional signs may be used for other lines of work. The use of colored pencils for these signs, using one color for all the work of the same kind, makes such a map very effective. If further suggestions are desired in this connection write direct to this office. It is believed that a large outline map of the county, showing the kind and the location of the work, could be displayed to advantage in every county agent's office.

MAP OF COUNTY

SHOWING KIND AND DISTRIBUTION OF WORK

W. H. BYRNE,
County Agent,
APPOMATTOX, VIRGINIA.

Space for Agent's Stamp

COUNTY ORGANIZATIONS

1. Is there a central county committee supporting your work? Yes
2. If so, what is it called? Tobacco Growers Association
3. Who constitute its membership? Tobacco Growers
4. How is membership selected or appointed? Members solicited
5. Does this committee help you make a county plan of work? Yes
- How long has this county organization been in existence? 24 years
6. Number of communities in your county _____
7. How many community farmers' clubs have you assisted in organizing this year?
Total membership 4
210
8. How many community farmers' clubs have you in your county?
Total membership 8
364
9. How many community farmers' clubs have ceased to exist during the year?
(Give reason) _____
10. How many of these clubs are organized so as to include the farmer's wife, children, and others, in their membership? 8

Wives and children not included in above figures.

(11)

Space for agent's stamp

COUNTY ORGANIZATIONS (Continued)

11. How have these clubs been helpful to the farmer and his family? (Use extra pages if necessary)

Cooperative

The tobacco Growers Association is essentially a marketing organization,

whose membership includes any person who raises tobacco. We are using the
organization for other purposes and are taking steps to use it more ex-
tensively for other purposes another year.

12. Are these community farmers' clubs dependent on the county agent for their existence and the continuation of their efforts? Yes

13. Does each club have a community plan or program of work? Yes
(Attach a copy of such plans for the past year)

County Organization meets once each month. This is a delegated meeting. Reports from the Tri State organization are discussed at this meeting. The County Agent also discusses some agricultural subject at this meeting, having previously prepared enough copies of his talk for each delegate present to have one to carry back to his local for discussion, which meets shortly after the county meeting. This is our plan. We can hardly claim that the above has been accomplished as we have had only two meetings under this plan.

Community Leagues

The County Agent has assisted in organizing Community Leagues (membership includes all of the Farmer's family) around the schools in the following communities: Spout Spring, Stonewall, Oakville, Piney Ridge, Liberty Chapel and Vera. Some of the Leagues have been in existence for a year or more and some have been organized in the past few months. The League in every case supports Demonstration work and is a big factor in the success of the school as well. A League also develops a Community Spirit that is essential for the best development of any community.

Space for agent's stamp.

CORN

(Including Kafir, Milo, Peterita)
Separate sheet for each

	(3 starting Certified seed reports on back of sheet)	5
1.	Number of demonstrators	5
2.	Number of demonstrators reporting	
3.	Total acreage of corn grown under improved methods on demonstration farms	8
4.	Average yield per acre on demonstrations (bushels)	384
5.	Estimated average yield for entire county (bushels)	25
6.	Increased yield on demonstrations over ordinary methods (bushels)	134
7.	Number of cooperators	20
8.	Total acreage of corn grown under improved methods by cooperators	200
9.	Average yield per acre on demonstrations by cooperators (bushels)	30
10.	Number of farmers testing seed corn for germination	10
11.	Number of bushels so tested for germination	12
12.	How many farmers planted selected seed on their demonstrations?	5
13.	Acreage planted with selected seed	9
14.	Number of farmers you have influenced to select seed for next year's crop	50
15.	Estimated amount of seed selected (bushels)	60
16.	Number who turned under cover crops on their demonstration acres	3
17.	Number of acres harvested for silage	
18.	Yield per acre harvested for silage (tons)	
19.	Number of acres "hogged down"	
20.	Estimated value per acre when utilized this way	\$
21.	Number of acres treated for diseases or insect pests	
22.	On how many farms have you introduced the growing of corn or improved cultural methods?	35
23.	Number of communities in which corn demonstrations were conducted	5

Three of the corn Demonstrators started out to grow Certified Seed, but in each case something destroyed the demonstration, however, the demonstrations were not without a lesson.

W. H. Smith who started out with 52 rows to grow Certified Seed's Yellow Dent did not get a uniform stand to begin with and the crows consumed so much of it afterwards that his results were not accurate enough for him to attempt to have his seed certified.

Mr. Scheffler, another Farmer who attempted to grow Certified Seed was more unfortunate than Mr. Smith, however, his attempt had been worth a lot to the county, especially to the farmers in his section. The value of his experience was worth most in demonstrating the absolute necessity of testing seed corn. He planted 52 rows from 52 different ears of corn, (100 grains from each) saving the ear remnants to each. He got an excellent stand with the exception of one row, where not a single grain germinated. His plot was on the main road and every one passing by learned the valuable lesson that some seed will not germinate. His chance to raise certified seed was later ruined by cut worms. They cut his crop so badly that his results could not have been worth anything. He therefore prepared the land and seeded it to Soy Beans.

Mr. Horeley's experience, the third demonstrator was even sadder than the others. I am copying his statement word for word:

"The test was in a field where my whole crop of corn was planted. I cut and checked the field corn next to the 52 rows and left the plot intending to pull the ears from each row and weigh and examine separately. While some day hands were cutting the field corn some new hands came in and I directed them to join the other hands and go to cutting. I followed in a few minutes and was amazed and provoked to find they had set in on my test rows and had cut and mixed stalks from, at least, one-third of the rows which vitiated and destroyed the test as a whole and it was abandoned and the remainder harvested along with the rest of the field."

Space for agent's stamp.

CORN

(Including Kafir, Milo, Feterita)
Separate sheet for each

1. Number of demonstrators _____
2. Number of demonstrators reporting _____
3. Total acreage of corn grown under improved methods on demonstration farms _____
4. Average yield per acre on demonstrations (bushels) _____
5. Estimated average yield for entire county (bushels) _____
6. Increased yield on demonstrations over ordinary methods (bushels) _____
7. Number of cooperators _____
8. Total acreage of corn grown under improved methods by cooperators _____
9. Average yield per acre on demonstrations by cooperators (bushels) _____
10. Number of farmers testing seed corn for germination _____
11. Number of bushels so tested for germination _____
12. How many farmers planted selected seed on their demonstrations? _____
13. Acreage planted with selected seed _____
14. Number of farmers you have influenced to select seed for next year's crop _____
15. Estimated amount of seed selected (bushels) _____
16. Number who turned under cover crops on their demonstration acres _____
17. Number of acres harvested for silage _____
18. Yield per acre harvested for silage (tons) _____
19. Number of acres "hogged down" _____
20. Estimated value per acre when utilized this way \$ _____
21. Number of acres treated for diseases or insect pests _____
22. On how many farms have you introduced the growing of corn or improved cultural methods? _____
23. Number of communities in which corn demonstrations were conducted _____

W. H. BYRNE,

County Agent,

APPOMATTOX, VIRGINIA.

Space for agent's stamp.

CORN

(Including Kafir, Milo, Feterita)

Separate sheet for each

1. Number of demonstrators _____
2. Number of demonstrators reporting _____
3. Total acreage of corn grown under improved methods on demonstration farms _____
4. Average yield per acre on demonstrations (bushels) _____
5. Estimated average yield for entire county (bushels) _____
6. Increased yield on demonstrations over ordinary methods (bushels) _____
7. Number of cooperators _____
8. Total acreage of corn grown under improved methods by cooperators _____
9. Average yield per acre on demonstrations by cooperators (bushels) _____
10. Number of farmers testing seed corn for germination _____
11. Number of bushels so tested for germination _____
12. How many farmers planted selected seed? _____
13. Acreage planted with selected seed _____
14. Number of farmers you have influenced to select seed for next year's crop _____
15. Estimated amount of seed selected (bushels) _____
16. Number who turned under cover crops on their demonstration acres _____
17. Number of acres harvested for silage _____
18. Yield per acre harvested for silage (tons) _____
19. Number of acres "hogged down" _____
20. Estimated value per acre when utilized this way \$ _____
21. Number of acres treated for diseases or insect pests _____
22. On how many farms have you introduced the growing of corn or improved cultural methods? _____
23. Number of communities in which corn demonstrations were conducted _____

Space for agent's stamp.

T O B A C C O

1. Number of demonstrators	25
2. Number of demonstrators reporting	24
3. Total acreage in demonstrations	
4. Average yield per acre (pounds)	824
5. Estimated average yield per acre for entire county (pounds)	500
6. Increased yield per acre of demonstrations over ordinary methods (pounds)	324
7. How many farmers have you induced to plant pure or selected seed?	25
8. Acreage planted with pure or selected seed	100
9. How many farmers treated tobacco seed for disease?	500
10. How many acres did this treated seed plant?	1800
11. On how many farms have you introduced the growing of tobacco or improved cultural methods?	
12. Number of communities in which tobacco demonstrations were conducted	25

In most of the above demonstrations the yield has been estimated since very little tobacco has been marketed, however a few of the demonstrators have marketed their entire crops. In these cases the number of pounds raised was determined by weighing. The cost of raising the crop, not including marketing, has been handed in and the average cost per pound is a little above nine cents.

W. H. BYRNE

County Agent,
APPOMATOX, VIRGINIA

Space for agent's stamp

T O M A T O E S

1. Number of demonstrators _____
2. Number of demonstrators reporting _____
3. Total acreage in demonstrations _____
4. Average yield per acre (bushels) _____
5. Estimated average yield per acre for entire county (bushels) _____
6. Increased yield per acre of demonstrations over ordinary methods (bushels) _____
7. How many farmers have you induced to plant pure or selected seed? _____
8. How many farmers have you induced to field select seed for next year's crop? _____
9. Acreage planted with pure or selected seed _____
10. How many turned under cover crops on their demonstration acres? _____
11. How many tomato farmers did you influence to adopt a rotation system? _____
12. State the number of acres treated for insect pests _____
13. Estimate increased value per acre resulting from treatment \$ _____
14. State the number of acres treated for diseases _____
15. Estimate increased value per acre resulting from treatment \$ _____
16. How many demonstrators grow their own plants? _____
17. How many farmers have you induced to construct hot beds? _____
18. On how many farms have you introduced the growing of tomatoes or improved cultural methods? _____
19. Number of communities in which tomato demonstrations were conducted _____

Space for agent's stamp.

SMALL GRAINS

(Oats, Wheat, Rye, Barley, Buckwheat)

Wheat

Demonstration

(Enter here name of crop - separate sheet for each)

- | | | |
|---|----------|------|
| 1. Number of demonstrators | _____ | 2 |
| 2. Number of demonstrators reporting | _____ | 2 |
| 3. Total acreage grown under improved methods on demonstration farms | _____ | 34 |
| 4. Average yield per acre on demonstrations (bushels) | _____ | 38.2 |
| 5. Estimated average yield per acre for entire county (bushels) | _____ | 32 |
| 6. Increased yield per acre on demonstrations over ordinary methods (bushels) | _____ | 6.2 |
| 7. Number of cooperators | _____ | 10 |
| 8. Total acreage grown under improved methods by cooperators | _____ | 45 |
| 9. Average yield per acre by cooperators (bushels) | _____ | 34 |
| 10. Number of farmers testing seed for germination | _____ | 2 |
| 11. Number of bushels so tested | _____ | 4 |
| 12. Number of demonstration acres threshed for grain | _____ | 24 |
| 13. Acreage planted with pure or selected seed | _____ | 24 |
| 14. Number of demonstration acres cut for hay | _____ | |
| 15. Average yield of cured hay per acre on demonstrations (tons) | _____ | |
| 16. Increase per acre of cured hay on demonstrations over ordinary methods (tons) | _____ | |
| 17. Number of acres grazed off | _____ | |
| 18. Estimated value per acre of grazing | \$ _____ | |
| 19. Number of acres turned under for soil improvement | _____ | |
| 20. How many bushels of seed were treated for smut? | _____ | 35 |
| 21. On how many farms have you introduced the growing of small grains or improved cultural methods? | _____ | 20 |
| 22. Number of communities in which demonstrations were conducted. | _____ | 2 |

Certified seed was used on both of the demonstrations on the same type and quality of land and seed alike, one of the demonstrators made 7½ more bushels per acre with V.P.I. # 131 wheat than he made with the other wheat he seeded. His yield from V.P.I. # 131 was 20 bushels per acre and from the other 12½ bushels.

The Demonstrator made a better yield than his report shows. English Sparrows destroyed a large part of his test. He is satisfied that his yield with V. P. I. # 131 wheat was much above his ordinary wheat.

Space for agent's stamp.

SMALL GRAINS

(Oats, Wheat, Rye, Barley, Buckwheat)

W. H. BYRNE,

County Agent,
APPOMATOX, VIRGINIA.

Demonstration

(Enter here name of crop, - separate sheet for each)

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 (bushels) _____
5. Estimated average yield per acre for entire county (bushels) _____
6. Increased yield per acre on demonstrations over ordinary methods (bushels) _____
7. Number of cooperators _____
8. Total acreage grown under improved methods by cooperators _____
9. Average yield per acre by cooperators (bushels) _____
10. Number of farmers testing seed for germination _____
11. Number of bushels so tested _____
12. Number of demonstration acres threshed for grain _____
13. Acreage planted with pure or selected seed _____
14. Number of demonstration acres cut for hay _____
15. Average yield of cured hay per acre on demonstrations (tons) _____
16. Increase per acre of cured hay on demonstrations over ordinary methods (tons) _____
17. Number of acres grazed off _____
18. Estimated value per acre of grazing \$ _____
19. Number of acres turned under for soil improvement _____
20. How many bushels of seed were treated for smut? _____
21. On how many farms have you introduced the growing of small grains or improved cultural methods? _____
22. Number of communities in which demonstrations were conducted _____

Space for agent's stamp

SMALL GRAINS

(Oats, Wheat, Rye, Barley, etc.)

W. H. BYRNE,

County Agent,
APPOMATTOX, VIRGINIA.

Demonstration

For here ~~make~~ of crop - separate sheet for each)

- | | |
|--|-------|
| 1. Number of demonstrators | 1 |
| 2. Number of demonstrators reporting | 1 |
| 3. Total acreage grown under improved methods on demonstration farms | 2 |
| 4. Average yield per acre on demonstrations (bushels) | 52 |
| 5. Estimated average yield per acre for entire county (bushels) | 30 |
| 6. Increased yield per acre on demonstrations over ordinary methods (bushels) | 32 22 |
| 7. Number of cooperators | 10 |
| 8. Total acreage grown under improved methods by cooperators | 75 |
| 9. Average yield per acre by cooperators (bushels) | 35 |
| 10. Number of farmers testing seed for germination | 1 |
| 11. Number of bushels so tested | 2 |
| 12. Number of demonstration acres threshed for grain | 2 |
| 13. Acreage planted with pure or selected seed | 2 |
| 14. Number of demonstration acres cut for hay | |
| 15. Average yield of cured hay per acre on demonstrations (tons) | |
| 16. Increase per acre of cured hay on demonstrations over ordinary methods (tons) | |
| 17. Number of acres grazed off | |
| 18. Estimated value per acre of grazing | \$ |
| 19. Number of acres turned under for soil improvement | |
| 20. How many bushels of seed were treated for smut? | 100 |
| 21. On how many farms have you introduced the growing of small grains or improved cultural methods | 55 |
| 22. Number of communities in which demonstrations were conducted | 1 |

Mr. Moore who conducted this demonstration is conceded by his neighbors not only to be a good farmer but also an excellent oat grower. He has been growing Va. Grey Oats and felt that he was making an exceptional success when harvested as much as 50 bushels per two bushels seedling. This year he grew Va. Winter Grey and V.P.I. #1 Oats (the latter being certified) on land of the same type and quality. Two bushels seedling of Va. Winter Grey gave him a yield of 54 bushels and two bushels seedling of V.P.I. #1 gave him a yield of 805 bushels.

The result of this demonstration has been that a large number of the farmers in the county have bought a few bushels of this seed and sowed them in order that they might get seed to sow their entire crop next year.

W. H. BYRNE,

County Agent

APPOMATON, VIRGINIA

Space for agent's stamp

SMALL GRAINS

(Oats, Wheat, Rye, Barley, Buckwheat)

Demonstration

(Enter here name of crop - separate sheet for each)

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 (bushels) _____
5. Estimated average yield per acre for entire county (bushels) _____
6. Increased yield per acre on demonstrations over ordinary methods (bushels) _____
7. Number of cooperators _____
8. Total acreage grown under improved methods by cooperators _____
9. Average yield per acre by cooperators (bushels) _____
10. Number of farmers testing seed for germination _____
11. Number of bushels so tested _____
12. Number of demonstration acres threshed for grain _____
13. Acreage planted with pure or selected seed _____
14. Number of demonstration acres cut for hay _____
15. Average yield of cured hay per acre on demonstrations (tons) _____
16. Increase per acre of cured hay on demonstrations over ordinary methods (tons) _____
17. Number of acres grazed off _____
18. Estimated value per acre of grazing \$ _____
19. Number of acres turned under for soil improvement _____
20. How many bushels of seed were treated for smut? _____
21. On how many farms have you introduced the growing of small grains or improved cultural methods? _____
22. Number of communities in which demonstrations were conducted _____

Space for agent's stamp

SMALL GRAINS

(Oats, Wheat, Rye, Barley, Buckwheat)

Demonstration

(Enter here name of crop - separate sheet for each)

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 (bushels) _____
5. Estimated average yield per acre for entire county (bushels) _____
6. Increased yield per acre on demonstrations over ordinary methods (bushels) _____
7. Number of cooperators _____
8. Total acreage grown under improved methods by cooperators _____
9. Average yield per acre by cooperators (bushels) _____
10. Number of farmers testing seed for germination _____
11. Number of bushels so tested _____
12. Number of demonstration acres threshed for grain _____
13. Acreage planted with pure or selected seed _____
14. Number of demonstration acres cut for hay _____
15. Average yield of cured hay per acre on demonstrations (tons) _____
16. Increase per acre of cured hay on demonstrations over ordinary methods (tons) _____
17. Number of acres grazed off _____
18. Estimated value per acre of grazing \$ _____
19. Number of acres turned under for soil improvement _____
20. How many bushels of seed were treated for smut? _____
21. On how many farms have you introduced the growing of small grains or improved cultural methods? _____
22. Number of communities in which demonstrations were conducted _____

W. H. BYRNE

County Agent
APPOINTMENT, VIRGINIA

Space for agent's stamp

Fathers
HAY, FORAGE, OR COVER CROPS

NOTE: This form to be used for such crops as Alfalfa, Crimson, Alsike, Red, Bar and Sweet Clover, Lespedeza, 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 space below.

Wheat and Vetch

Demonstration

(Enter here the name of crop - separate sheet for each.)

1. Number of demonstrators 1
2. Number of demonstrators reporting 1
3. Total acreage in this crop on demonstrations 2
4. Average yield per acre on demonstrations 15
(tons of cured hay)
5. Estimated average yield per acre for entire county (tons of cured hay) 12
6. Number of acres out for hay 3
7. Increased yield per acre of demonstrations over ordinary methods 3
(tons of cured hay)
8. Number of acres grazed off 8
9. Estimated value per acre of grazing \$ 32
10. Number of co-operators 32
11. Total acreage grown by co-operators 9
12. Average yield per acre by co-operators 9
(tons of cured hay)
13. How many acres (if legume) were inoculated? 9
14. How many farmers ordered inoculating material through you from U.S. Department of Agriculture? 9
15. How many demonstration acres were turned under for soil improvement? 32
16. Estimate total number of acres in county turned under by agent's advice 50
17. How many acres were sown this fall? 150
18. On how many farms have you introduced the growing of hay, forage, or cover crops, or improved cultural methods? 1
19. Number of communities in which demonstrations were conducted 1

The seed on this demonstration plot was not sown until Nov. thereby cutting the yield. A series of tests indicate that this crop should be sowed in Sept. to get best results in this section.

Space for agent's stamp

W. H. BYRNE,

COMBAT AREA
APPROPRIATION, VIRGINIA

HAY, FORAGE, OR COVER CROPS

NOTE: This form to be used for such crops as Alfalfa, Crimson, Alsike, Red, Bur and Sweet Clover, Lespedeza, Vetch, Vetch and Oats, - Wheat, or Eye, Crimson Clover and Oats, - Wheat or Eye, 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 space below.

(Enter here *alfalfa* ^{Demonstration} ~~this~~ of crop - separate sheet for each.)

1. Number of demonstrators 3
2. Number of demonstrators reporting 3
3. Total acreage in this crop on demonstrations 40
4. Average yield per acre on demonstrations (tons of cured hay) 23.5
5. Estimated average yield per acre for entire county (tons of cured hay) 3
6. Number of acres cut for hay (one cutting) 38
7. Increased yield per acre of demonstrations over ordinary methods (tons of cured hay) .5
8. Number of acres grazed off 38
9. Estimated value per acre of grazing \$ 10.00
10. Number of cooperators 10
11. Total acreage grown by cooperators 20
12. Average yield per acre by cooperators (tons of cured hay) 24.5
13. How many acres (if legume) were inoculated? 60
14. How many farmers ordered inoculating material through you from U. S. Department of Agriculture? 13
15. How many demonstration acres were turned under for soil improvement? 15
16. Estimate total number of acres in county turned under by agent's advice 15
17. How many acres were sown this fall? 45
18. On how many farms have you introduced the growing of hay, forage, or cover crops, or improved cultural methods? 50
19. Number of communities in which demonstrations were conducted 3

Two of these demonstration plots were seeded in 1920 and one last spring. The one seeded last spring was cut only once. Those seeded in 1920 were cut once and then used for pasture the balance of the year. The experience my farmers have had with Alfalfa has taught me that it is a profitable crop in this section in only a few instances. A few farmers who have followed the detailed instructions have been successful in a small way.

7

W. H. BYRNE.

County Agent,
APPOMATTON, VIRGINIA.

Space for agent's stamp

HAY, FORAGE, OR COVER CROPS

NOTE: This form to be used for such crops as Alfalfa, Crimson, Alsike, Red, Bur and Sweet Clover, Lespedeza, 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 space below.

Sweet Clover

Demonstration

(Enter here the name of crop - separate sheet for each.)

1. Number of demonstrators 4
2. Number of demonstrators reporting 4
3. Total acreage in this crop on demonstrations 11
4. Average yield per acre on demonstrations (tons of cured hay) 14.5
5. Estimated average yield per acre for entire county (tons of cured hay) 1
6. Number of acres cut for hay 2
7. Increased yield per acre of demonstrations over ordinary methods (tons of cured hay) 1.5
8. Number of acres grazed off 9
9. Estimated value per acre of grazing \$
10. Number of cooperators 8
11. Total acreage grown by cooperators 15
12. Average yield per acre by cooperators (tons of cured hay) 29.5
13. How many acres (if legume) were inoculated? 29
14. How many farmers ordered inoculating material through you from U. S. Department of Agriculture? 12
15. How many demonstration acres were turned under for soil improvement? _____
16. Estimate total number of acres in county turned under by agent's advice _____
17. How many acres were sown this fall? Last spring 30
18. On how many farms have you introduced the growing of hay, forage, or cover crops, or improved cultural methods? 50
19. Number of communities in which demonstrations were conducted 4

HAY, FORAGE, OR COVER CROPS

NOTE: This form to be used for such crops as Alfalfa, Crimson, Alsike, Red, Bur and Sweet Clover, Lespedeza, 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 space below.

Red Clover

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 on demonstrations _____
4. Average yield per acre on demonstrations (tons of cured hay) _____
5. Estimated average yield per acre for entire county (tons of cured hay) _____
6. Number of acres cut for hay _____
7. Increased yield per acre of demonstrations over ordinary methods (tons of cured hay) _____
8. Number of acres grazed off _____
9. Estimated value per acre of grazing \$ _____
10. Number of cooperators 40
11. Total acreage grown by cooperators 120
12. Average yield per acre by cooperators (tons of cured hay) 8
13. How many acres (if legume) were inoculated? 50
14. How many farmers ordered inoculating material through you from U. S. Department of Agriculture? 10
15. How many demonstration acres were turned under for soil improvement _____
16. Estimate total number of acres in county turned under by agent's advice _____
17. How many acres were sown this fall? _____
18. On how many farms have you introduced the growing of hay, forage, or cover crops, or improved cultural methods? 50
19. Number of communities in which demonstrations were conducted _____

This fall E. L. Ferguson according to my instruction seeded 12 acres of the following mixture as a permanent pasture: Orchard Grass 5 lbs, Blue Grass 14 lbs, Meadow Fescue 4 lbs, Red Clover 4 lbs, Alsike 1 lb, Sweet Clover 4 lbs, and Alfalfa 2 lbs. Although the season was dry he got an excellent stand. His preparation of the soil was excellent also.

One other farmer agreed to seed this mixture but the weather was so dry that he was afraid to sow.

Wheat - 1914-15

Wheat - 1914-15

Wheat - 1914-15

Wheat - 1914-15

Wheat - 1914-15

Wheat - 1914-15

Wheat - 1914-15

Wheat - 1914-15

Wheat - 1914-15

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Wheat - 1914-15

Wheat - 1914-15

W. H. BYRNE,

County Agent

Space for Agent's Stamp

SUMMER LEGUMES

(Cowpeas, Soy Beans, Velvet Beans, Peanuts, etc.)

Soy Beans - Virginia

Demonstration

(Name of crop - separate sheet for each)

1. Number of demonstrators 1
2. Number of demonstrators reporting 1
3. Total acreage of this crop grown under improved methods on demonstrations 184
4. Average yield per acre on demonstrations (bushels of seed) 14.8
5. Average yield per acre on demonstrations (tons cured hay) 14.8
6. Estimated average yield per acre for entire county (bushels of seed) 10
7. Estimated average yield per acre for entire county (tons cured hay) 14.15
8. Increased yield per acre on demonstrations over ordinary methods (bushels of seed) 4.8
9. Increased yield per acre on demonstrations over ordinary methods (tons cured hay) 4.8
10. Number of cooperators 11
11. Total acreage grown under improved methods by cooperators 11
12. Average yield per acre by cooperators (bushels of seed) 11
13. Average yield per acre by cooperators (tons cured hay) 11
14. Number of farmers testing seed for germination 11
15. Total number of bushels seed so tested 11
16. Acreage planted with pure or selected seed 11
17. Total acreage of demonstrators and cooperators threshed for seed 11
18. Total acreage of demonstrators and cooperators cut for hay 11
19. Number of acres grazed off 11
20. Estimated value per acre of grazing \$ 11
21. Total number of acres turned under for soil improvement 11
22. Total number of acres inoculated - by Department cultures 11
23. Total number of acres inoculated - by inoculated soil 11
24. Total number of acres inoculated - by commercial cultures 11
25. Give estimate of the number of acres in your territory which were planted this year to this crop due to your influence 125
26. On how many farms have you introduced the growing of summer legumes or improved cultural methods? 40
27. Number of communities in which demonstrations were conducted 3

*combined with next page
Soy Beans - 11/11*

One of these Demonstrators is a certified seed grower and has
a good crop of seed.

SUMMER LEGUMES

(Cowpeas, Soy Beans, Velvet Beans, Peanuts, etc.)

Soy Beans - Wilson

Demonstration

(Name of crop - separate sheet for each)

1. Number of demonstrators _____
2. Number of demonstrators reporting _____ 1
3. Total acreage of this crop grown under improved methods on demonstrations _____ 1
4. Average yield per acre on demonstrations (bushels of seed) _____ 20
5. Average yield per acre on demonstrations (tons cured hay) _____
6. Estimated average yield per acre for entire county (bushels of seed) _____
7. Estimated average yield per acre for entire county (tons cured hay) _____
8. Increased yield per acre on demonstrations over ordinary methods (bushels of seed) _____
9. Increased yield per acre on demonstrations over ordinary methods (tons cured hay) _____
10. Number of cooperators _____
11. Total acreage grown under improved methods by cooperators _____
12. Average yield per acre by cooperators (bushels of seed) _____
13. Average yield per acre by cooperators (tons cured hay) _____
14. Number of farmers testing seed for germination _____
15. Total number of bushels seed so tested _____ 1
16. Acreage planted with pure or selected seed _____
17. Total acreage of demonstrators and cooperators threshed for seed _____ 1
18. Total acreage of demonstrators and cooperators cut for hay _____
19. Number of acres grazed off _____
20. Estimated value per acre of grazing \$ _____
21. Total number of acres turned under for soil improvement _____
22. Total number of acres inoculated - by Department cultures _____
23. Total number of acres inoculated - by inoculated soil _____ 1
24. Total number of acres inoculated - by commercial cultures _____
25. Give estimate of the number of acres in your territory which were planted this year to this crop due to your influence _____ 1
26. On how many farms have you introduced the growing of summer legumes or improved cultural methods? _____
27. Number of communities in which demonstrations were conducted _____ 1

Space for agent's stamp.

SUMMER LEGUMES

(Cowpeas, Soy Beans, Velvet Beans, Peanuts, etc.)

W. H. BIRNEY

COOPER, JR.
APPOMATTOX, VIRGINIA.

Velvet Beans

Demonstration

(Name of crop - separate sheet for each)

- | | | |
|--|----------|---------|
| 1. Number of demonstrators | _____ | 1 |
| 2. Number of demonstrators reporting | _____ | 2 |
| 3. Total acreage of this crop grown under improved methods on demonstrations | _____ | 25 |
| 4. Average yield per acre on demonstrations (bushels of seed) | _____ | |
| 5. Average yield per acre on demonstrations (tons cured hay) | _____ | 24 1.75 |
| 6. Estimated average yield per acre for entire county (bushels of seed) | _____ | |
| 7. Estimated average yield per acre for entire county (tons cured hay) | _____ | 24 1.5 |
| 8. Increased yield per acre on demonstrations over ordinary methods (bushels of seed) | _____ | |
| 9. Increased yield per acre on demonstrations over ordinary methods (tons cured hay) | _____ | 25 |
| 10. Number of cooperators | _____ | 3 |
| 11. Total acreage grown under improved methods by cooperators | _____ | 30 |
| 12. Average yield per acre by cooperators (bushels of seed) | _____ | |
| 13. Average yield per acre by cooperators (tons cured hay) | _____ | 24 1.5 |
| 14. Number of farmers testing seed for germination | _____ | |
| 15. Total number of bushels seed so tested | _____ | |
| 16. Acreage planted with pure or selected seed | _____ | |
| 17. Total acreage of demonstrators and cooperators threshed for seed | _____ | |
| 18. Total acreage of demonstrators and cooperators cut for hay | _____ | 25 |
| 19. Number of acres grazed off | _____ | |
| 20. Estimated value per acre of grazing | \$ _____ | |
| 21. Total number of acres turned under for soil improvement | _____ | 25 |
| 22. Total number of acres inoculated - by Department cultures | _____ | 45 |
| 23. Total number of acres inoculated - by inoculated soil | _____ | |
| 24. Total number of acres inoculated - by commercial cultures | _____ | |
| 25. Give estimate of the number of acres in your territory which were planted this year to this crop due to your influence | _____ | 40 |
| 26. On how many farms have you introduced the growing of summer legumes or improved cultural methods? | _____ | 80 |
| 27. Number of communities in which demonstrations were conducted | _____ | 1 |

SUMMER LEGUMES

(Cowpeas, Soy Beans, Velvet Beans, Peanuts, etc.)

Space for agent's stamp

W. H. BYRNE,

County Agent

APPOMATTOX, VIRGINIA.

Demonstration

(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 demonstrations _____
4. Average yield per acre on demonstrations (bushels of seed) _____
5. Average yield per acre on demonstrations (tons cured hay) _____
6. Estimated average yield per acre for entire county (bushels of seed) _____
7. Estimated average yield per acre for entire county (tons cured hay) _____
8. Increased yield per acre on demonstrations over ordinary methods (bushels of seed) _____
9. Increased yield per acre on demonstrations over ordinary methods (tons cured hay) _____
10. Number of cooperators _____
11. Total acreage grown under improved methods by cooperators _____
12. Average yield per acre by cooperators (bushels of seed) _____
13. Average yield per acre by cooperators (tons cured hay) _____
14. Number of farmers testing seed for germination _____
15. Total number of bushels seed so tested _____
16. Acreage planted with pure or selected seed _____
17. Total acreage of demonstrators and cooperators threshed for seed _____
18. Total acreage of demonstrators and cooperators cut for hay _____
19. Number of acres grazed off _____
20. Estimated value per acre of grazing. \$ _____
21. Total number of acres turned under for soil improvement _____
22. Total number of acres inoculated - by Department cultures _____
23. Total number of acres inoculated - by inoculated soil _____
24. Total number of acres inoculated - by commercial cultures _____
25. Give estimate of the number of acres in your territory which were planted this year to this crop due to your influence _____
26. On how many farms have you introduced the growing of summer legumes or improved cultural methods? _____
27. Number of communities in which demonstrations were conducted _____

Space for agent's stamp

IRISH POTATOES

1. Number of demonstrators _____
2. Number of demonstrators reporting _____
3. Total acreage of potato demonstrations _____
4. Average yield per acre on demonstrations (bushels) _____
5. Estimated average yield per acre for entire county (bushels) _____
6. Estimated number of acres planted with treated seed _____
7. Estimated number of acres on which foliage was treated for diseases
and insect pests _____
8. How many farmers used certified seed through your influence? _____
9. Total acreage planted with certified seed _____
10. On how many farms have you introduced the growing of Irish potatoes
or improved cultural methods? _____
11. Number of communities in which Irish potato demonstrations were
conducted _____

Space for agent's stamp

SWEET POTATOES

1. Number of demonstrators _____
2. Number of demonstrators reporting _____
3. Total acreage of potato demonstrations _____
4. Average yield per acre on demonstrations (bushels) _____
5. Estimated average yield per acre for entire county (bushels) _____
6. Estimated number of acres planted with treated seed _____
7. Estimated number of acres on which foliage was treated for diseases
and insect pests _____
8. Estimated increased acreage this year over last year due to county
agent's work _____
9. How many storage houses built this year? _____
10. Total capacity of these storage houses (bushels) _____
11. How many storage houses in county? _____
12. Total capacity of storage houses in county (bushels) _____
13. Total number of bushels put in storage this year (bushels) _____
14. On how many farms have you introduced the growing of sweet potatoes
or improved cultural methods? _____
15. Number of communities in which sweet potato demonstrations were
conducted _____

Space for Agent's stamp

ORCHARDS

	(Apple	4	
1. Number of demonstration home orchards - - -	(Peach	2	
	(Other		
2. Total number of trees in these demonstrations-		240	
	Orchards	Acres	Trees
3. Orchards inspected by agent	100	140	5600
4. Orchards pruned due to your influence	35	40	1200
5. Orchards sprayed due to your influence	15	10	400
6. Peach orchards treated for borers due to your influence	35	18	350
7. Orchards planted due to your influence	6	7	240
			1790
	TOTAL		

8. How many commercial orchards in your county - Apple	4	Trees	4000
9. How many commercial orchards in your county - Peach	1	Trees	500
10. How many commercial orchards in your county - Other		Trees	
11. How many commercial orchards have you assisted in caring for?	3		
12. How many trees did you actually spray?	35		
13. How many trees did you actually prune?	200		
14. How many trees did you actually worm?	50		
15. Estimated value of increased production due to demonstration methods \$			
16. Report of special campaigns, results, etc.			
17. Number of communities in which orchard demonstrations were conducted	14		

A complete Home Orchard was planted in this county near the County Seat a couple of years ago. Each year we hold a pruning school in this orchard which has created considerable interest among the Farmers, especially those with young home orchards. The Agent and Supt. of the Experimental Station and interested farmers are growing with the orchard. The Agent is trying to show the farmers each step in proper pruning of a young tree. Besides this, pruning demonstrations have been held in all sections of the county. There are only five small Commercial orchards in the county, and there is a question if we are ready for Commercial orchards in this section, but without a doubt every farm in the county should have a home orchard as it well cared for. This side of the question has been receiving the Agents attention.

Space for agent's stamp

H O R S E S

1. How many registered stallions have been secured this year, due to your influence? _____
2. How many registered jacks-secured due to your influence? 1 Sept 1
3. How many registered brood mares secured due to your influence? _____
4. How many demonstrations in feeding horses or mules? _____
5. How many horses or mules in these demonstrations _____
(Report results under "Remarks")
6. How many horses or mules fed and cared for according to methods you have advocated? _____
7. How many pure-bred stallions in county now? 2
8. How many pure-bred jacks in county now? 2
9. Number of communities in which horse demonstrations were conducted _____

REMARKS:

Space for agent's stamp

DAIRY CATTLE

1. How many head of registered bulls have been secured this year through your influence? 2
2. How many head of registered cows or heifers have been secured this year through your influence?
3. How many head of pure-bred dairy cattle have you assisted your farmers in selling this year - through individual sales? 6
4. How many head of pure-bred dairy cattle have you assisted your farmers in selling this year - through group sales? 16
5. How many high-grade dairy cows have been secured this year through your influence? 4
6. How many cows have been tested by individuals at your instance to determine the profitable milk producers?
7. Do you carry or own a Babcock tester? 2 Yes
8. How many farmers have been induced to feed a better balanced ration to their stock? 2
9. How many head of stock so fed? 65
10. How many demonstrations in dairy work have you supervised?
11. How many cows in these demonstrations? (Report results under "Remarks")
12. How many new cream stations established this year due to your influence?
13. How many cream stations in county? None
14. How many new cream routes established this year due to the influence of the county agent's work?
(If creameries have been established make report)
15. How many cheese factories in your county? None
16. How many cheese factories established in your county this year?
17. How many pure-bred dairy bulls in the county now? 6
18. How many pure-bred dairy cows in the county now? 22

Space for agent's stamp

DAIRY CATTLE (Continued)

19. How many cow-testing associations organized this year due to your influence? (Give report if any) _____
20. Number members in above Ass'ns? _____
21. " cows tested by " " ? _____
22. How many dairy breeders' associations established this year due to your influence? (Give report if any) _____
23. How many dairy bull associations established this year? _____
24. Number of members in these associations _____
25. Number of bulls in these associations _____
26. Total number of cows kept by members of these associations _____
27. Total number of bull associations now in operation in your county _____
28. Number of communities in which dairy cattle demonstrations were conducted _____

Space for agent's stamp

BEEF CATTLE

1. How many head of registered bulls have been secured this year through your influence? 2
2. How many head of registered cows or heifers have been secured this year through your influence? 2
3. How many head of pure-bred beef cattle have you assisted your farmers in selling this year - through individual sales? 2
4. How many head of pure-bred beef cattle have you assisted your farmers in selling this year - through group sales?
5. How many head of high-grade cows have been secured through your influence?
6. How many beef breeding herds were started this year due to your influence?
7. How many head of feeding cattle have been brought into the county this year through your influence?
8. How many beef feeding demonstrations did you supervise?
9. How many cattle in these feeding demonstrations?
10. 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")
11. Estimate the number of beef cattle cared for according to methods which you advocated - where methods were wholly followed
12. Estimate the number of beef cattle cared for according to methods which you advocated - where methods were partially followed 40
- (Give results of these methods and special campaigns along beef cattle lines under "Remarks")
13. Number of beef cattle breeders' associations or clubs formed
14. Number of members of such associations or clubs
15. Number of pure-bred beef bulls in county now? 12
16. Number of pure-bred beef cows in county now? 9
17. Number of communities in which beef cattle demonstrations were conducted 4

DIPPING VATS

1. How many dipping vats have been built through your influence this year? _____
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 _____

W. H. BYRNE.

County Agent.

APPOMATTOX, VIRGINIA.

Space for agent's stamp

H O G S

- | | |
|--|-------------------|
| 1. How many head of registered boars have been secured this year due to your influence? | <u>8</u> |
| 2. How many head of registered sows or gilts have been secured this year due to your influence? | <u>16</u> |
| 3. How many head of pure-bred hogs have you assisted your farmers in selling this year - through <u>individual sales</u> ? | <u>12</u> |
| 4. How many head of pure-bred hogs have you assisted your farmers in selling this year - through <u>group sales</u> ? | <u> </u> |
| 5. How many herds of pure-bred hogs have been started through your influence? | <u>4</u> |
| 6. How many hog feeding demonstrations did you supervise? | <u>3</u> |
| 7. How many hogs in these demonstrations? | <u>6</u> |
| 8. On how many of these demonstrations were records kept? | <u>6</u> |
| 9. How many farmers used self-feeders secured at your suggestion? | <u>2</u> |
| 10. How many farmers have you induced to start the growing of grazing crops for hogs? | <u>10</u> |
| 11. Estimate number of hogs fed or cared for according to methods which you advocated | <u>40</u> |
| 12. Give number of pure-bred boars in county now | <u>60</u> |
| 13. Number of communities in which hog demonstrations were conducted | <u>15</u> |

Space for agent's stamp

SHEEP AND GOATS

1. How many head of registered rams have been secured this year through your influence? 1
2. How many head of registered ewes have been secured this year through your influence?
3. How many head of pure-bred sheep and goats have you assisted your farmers in selling this year - through individual sales?
4. How many head of pure-bred sheep and goats have you assisted your farmers in selling this year - through group sales?
5. How many grade ewes have been brought into the county this year for breeding purposes due to your influence?
6. How many flocks have been started?
7. How many sheep-feeding demonstrations did you supervise?
8. How many sheep in these demonstrations?
9. On how many of these demonstrations were records kept?
10. How many farmers did you induce to grow grazing crops for sheep?
11. Estimated number of sheep fed or cared for according to methods which you advocated
12. Number of pure-bred rams in county now 2
13. Number of pure-bred ewes in county now 14
14. Report results of campaign for more sheep, eradication of dogs, etc., under "Remarks".
15. Number of communities in which sheep and goat demonstrations were conducted

W. H. BYRNE,

County Agent,
APPOMATTOX, VIRGINIA

Space for agent's stamp

P O U L T R Y

1. Number of poultry demonstrations

5

2. Number of each kind of poultry
grown and cared for according
to methods which you advocated

(Chickens

975

(Ducks

(Guineas

(Turkeys

(Geese

TOTAL

975

3. On how many farms has poultry management been improved as a result
of your work?

75

4. How many birds on these farms?

455

5. How many communities have adopted a standard variety of poultry?

2

6. On how many cream routes are poultry products collected?

7. How many flocks culled through your efforts? **Actual Culling Dem. by Agent.**

26

8. Number of birds in flocks culled

354

9. Number of birds eliminated through culling

341

10. How many farmers were induced to raise standard bred poultry this year?

4

11. How many demonstrators were induced to practice early hatching?

25

12. How many winter feeding demonstrations?

4

13. Number of birds in these demonstrations?

430

14. Number of new poultry houses erected at your suggestion

4

15. Number of poultry houses remodeled at your suggestion

0

16. Report on reverse side of this sheet any work done on poultry diseases.

17. Number of communities in which poultry demonstrations were conducted

20

Question 7 shows that I have held 16 culling demonstrations. The average number persons present at these demonstrations was five. In every case all those present agreed to go home and cull their flock and I have learned since that most of them did as they promised. These demonstrations were therefore beneficial to at least 80 farmers. The Agent actually handled 134 birds out of which 341 were discarded as unprofitable to keep. Not taking into consideration the number of eggs these hens would have laid if kept, their disposal meant a saving in feed cost (Considering it cost $\frac{1}{2}$ cent per day per hen for feed) to these farmers of \$613.80 for the year.

Several farm flocks in the county had very bad colds during the spring. Some of the farmers lost a few birds from this cause. After the Agent was called in the trouble was soon located and the flock freed from this trouble by following the Agents instructions.

The Agent had five home flocks in the State Home Flock Egg Laying Contest. Two of these flocks were dropped during the summer because records were not being kept. The other three are still in the contest and are following instructions as to feeding etc. Mr. Gordon's flock of W. Leghorns are among the ten highest producing flocks of 100 or more hens. His record shows that his 274 hens have produced an average of 2517 eggs per month at a feed cost of 16.62 cents per doz.

LIVE STOCK DISEASES AND PESTS

Space for agent's stamp
W. H. BYRNE,
County Agent,
APPOMATOX, VIRGINIA.

1. How many demonstrations have been conducted through your influence in treating or testing livestock for the control of the following:

	Demonstrations	* Animals treated
CATTLE		
(Blackleg - - - - -)	3	28
(Anthrax or charbon - - - - -)		
(Digestive and other troubles - - - - -)		12
(Tuberculosis - - - - -)		
(Ticks - - - - -)		
(Lice - - - - -)		
HOGS		
(Cholera (single treatment) - - - - -)		
(Cholera (simultaneous treatment) - - - - -)		
(Digestive and other troubles - - - - -)		15
(Worms - - - - -)		20
(Lice - - - - -)		40
(Mange - - - - -)		5
SHEEP		
(Stomach worms - - - - -)		
(Digestive and other troubles - - - - -)		
(Grubs - - - - -)		
(Scab - - - - -)		
(Ticks - - - - -)		
HORSES		
(Spinal meningitis - - - - -)		
(Digestive ailments - - - - -)		7
(Anthrax or charbon - - - - -)		
(Distemper - - - - -)		
(Accidents - - - - -)		
(Other troubles - - - - -)		

2. State in how many of the above demonstrations you actually treated livestock to demonstrate the method of treatment and the number of animals actually treated by you:

	Demonstrations	Animals
CATTLE, for Blackleg - - - - -	2	8
CATTLE, for Tuberculosis - - - - -		
CATTLE, for Anthrax or charbon - - - - -		
HOGS, for Cholera - - - - -		
HORSES, for Anthrax or charbon - - - - -		

3. Have you instruments for such demonstrations? Yes
4. Report results of treatments and of campaigns for eradication or control of diseases or pests under "Remarks".

*Include all animals treated through your influence.

Space for agent's stamp

FERTILIZERS

- | | |
|---|------------------------|
| 1. How many farmers consulted you regarding the use of fertilizers? | <u>180</u> |
| 2. How many fertilizer demonstrations are the farmers conducting with you? | <u>4</u> |
| 3. Total acreage in these demonstrations | <u>85</u> |
| 4. How much fertilizer used on such demonstrations? (tons) | <u>28</u> ³ |
| 5. How many communities have you influenced to buy fertilizers cooperatively? | <u>0</u> |
| 6. Quantity bought cooperatively (tons) | <u>251.4</u> |
| 7. Value of fertilizer bought cooperatively (actual price paid by cooperative purchase) | \$ <u>5519.18</u> |
| 8. Total amount saved by cooperative purchases | \$ <u>716.02</u> |
| 9. Number of farmers home-mixing fertilizer on your advice | <u>85</u> |
| 10. Estimated number of tons home-mixed | <u>133</u> |
| 11. Estimated saving to farmers (per ton) | \$ <u>5.50</u> |
| 12. Number of communities in which fertilizer demonstrations were conducted | <u>4</u> |

W. H. BYRNE.

County Agent.
APPOMATTOX, VIRGINIA.

Space for agent's stamp

MANURE

1. How many farmers have you induced to take better care of farm manure? 120
2. How many have provided manure sheds at your suggestion?
3. How many are composting farm manure and waste products? 312
4. How many manure spreaders have been secured this year through your influence? 2
5. How many farmers are using phosphate or other material for reinforcing farm manure? 20
6. Number of communities in which manure demonstrations were conducted

Space for agent's stamp

S I L O S

- 97-SRS

Space for agent's stamp

L I M E

1. Number of demonstrators	<u>2</u>
2. Number of demonstrators reporting	<u>2</u>
3. Total number of acres in lime demonstrations	<u>80</u>
4. How many farms, other than demonstrators, used lime or limestone this year due to your influence?	<u>98</u>
5. Quantity of burned lime or limestone used (tons)	<u>3690</u>
6. Total number of acres treated this year	<u>1920</u>
7. Number of local sources of lime developed	<u> </u>
8. Number of lime crushers installed as a result of your work	<u> </u>
9. Number of lime kilns built as a result of your work	<u> </u>
10. Number of lime sheds constructed as a result of your work	<u>2</u>
11. Number of carloads shipped into your county	<u>123</u>
12. Number of farms on which soil was tested for acidity	<u> </u>
13. Number of communities in which lime demonstrations were conducted	<u>2</u>

FARM AND FARMSTEAD
IMPROVEMENTS

Space for agent's stamp

W. H. BYRNE

County Agent
APPOMATOIX, VIRGINIA

THINGS DONE WITH AGENT'S ASSISTANCE AND ADVICE

	Dwelling	Other
1. Number of buildings erected	_____	4
2. Number of farm buildings improved	2	6
3. Number of new building plans furnished	_____	4
4. Number of farm buildings painted or whitewashed	_____	2
5. Number of home water systems installed this year	_____	1
6. Total number of such systems in county now	_____	26
7. Number of home lighting systems installed in county this year	_____	5
8. Total number of such systems in county now	_____	25
9. Number of windmills erected this year	_____	_____
10. Number of home grounds improved	_____	4
11. Number of farm and home sanitary conditions improved	_____	8
12. Number of homes screened against flies and mosquitoes	_____	5
13. Number of sanitary privies erected	_____	1
14. Number of sewage disposal systems installed	_____	_____
15. Number of telephone systems installed	_____	_____
16. Number of farmers furnished plans and induced to adopt systematic crop rotations	_____	8
17. Total acreage of such rotations	_____	1200
18. Number of new pastures established	_____	8
19. Total acreage of new pastures established	_____	125
20. Number of old pastures renovated	_____	1
21. Total acreage of old pastures renovated	_____	30

Space for agent's stamp

W. H. BYRNE

County Agent

APPOMATOX, VIRGINIA

FARM AND FARMSTEAD IMPROVEMENTS (Continued)

- | | |
|--|-------------------|
| 22. Number of drainage systems planned and adopted | <u>3</u> |
| 23. Number of acres drained - by tile | <u> </u> |
| 24. Number of acres drained - by ditch | <u>12</u> |
| 25. Number of farmers induced to remove stumps | <u>7</u> |
| 26. Number of acres from which stumps were removed | <u>4</u> |
| 27. Number of farmers induced to terrace their sloping lands | <u>3</u> |
| 28. Total acreage so terraced | <u>23</u> |
| 29. Number of home gardens planted or improved | <u>9</u> |
| 30. Number of road improving demonstrations assisted in | <u> </u> |
| 31. Number of miles of improved roads resulting therefrom | <u> </u> |
| 32. Number of farmers who planted cover crops to be turned under | <u>154</u> |
| 33. Number of new implements and tools bought: | |

Binders	<u>3</u>
Hay presses	<u>1</u>
Gas engines	<u>11</u>
2-horse cultivators	<u>15</u>
Tractors	<u>12</u>
Motor trucks	<u>7</u>
✓ Corn planters	<u>16</u>
Ditching machines	<u> </u>
Mowers	<u>7</u>
Grain drills	<u>11</u>
Disk harrows	<u>9</u>
1-horse cultivators	<u>25</u>

Flows	<u>22</u>
Hay loaders	<u> </u>
Farm levels	<u> </u>
Grating machines	<u> </u>
Hay rakes	<u>4</u>
Ensilage cutters	<u>1</u>
Cream separators	<u>1</u>
Spraying machines	<u>15</u>
Manure spreaders	<u>2</u>
Small tools	<u>200</u>
Cultivators	<u>8</u>

34. Number of communities in which farm and farmstead improvements were conducted 2

Space for agent's stamp

MISCELLANEOUS EXTENSION WORK

	(Demonstrators - - - - -	150
	(Cooperators - - - - -	1615
1. Number of visits by agent to - - -	(Other farmers - - - - -	75
	(Business men - - - - -	310
	(Boys' and girls' club members - - - - -	
	TOTAL	1891
	(Railroad - - - - -	851
2. Number of miles traveled - - - - -	(Team - - - - -	153
	(Automobile - - - - -	545
	(Otherwise - - - - -	8
	TOTAL	646
3. Calls on agent at office and home relative to work - Personal		574
4. Calls on agent at office and home relative to work - Telephone		280
5. Number of farmers' meetings held under auspices of agent or Extension Division		80
6. How many meetings of all kinds, including field meetings, did you take part in?		80
7. Total attendance at these meetings (approximate)		6919
8. How many field meetings held by you?		20
9. Total attendance at these meetings		259
10. Number of days spent at office work? <u>81</u>	How divided?	(Correspondence 50)
		(Conference 30)
		(Miscellaneous 20)
	TOTAL	100
11. Number of days spent in field work? <u>217</u> ✓	How divided?	(Supervising regular demonstrations 20)
		(Other farm visits 60)
		(At meetings 12)
		(Assisted in short course work 2)
		(Organization and marketing 7)
	TOTAL	100

W. H. BYRNE,

County Agent,
APPOMATOX, VIRGINIA.

Space for agent's stamp

MISCELLANEOUS EXTENSION WORK
(Continued)

12. Number of official individual letters written	<u>1053</u>
13. Number of articles relating to your work prepared and published	<u>6</u>
14. Number of different circular letters prepared by you and sent out	<u>9</u>
15. Total number of copies of such letters (Give list and copy of each, if possible)	<u>2355</u>
16. Number of bulletins or circulars of U. S. Department of Agriculture distributed	<u>139</u>
17. Number of bulletins or circulars from State college or State department of agriculture distributed.	<u>193</u>
18. Number of visits to schools relating to work	<u>56</u>
19. In how many schools did you assist in outlining an agricultural course?	<u>2</u>
20. How many extension schools or short courses did you assist in?	<u>500</u>
21. Total attendance at these schools	<u>6</u>
22. Total number of days you were engaged in these schools	<u>9</u>
23. Number of farmers who attended short courses at colleges as a result of your effort	<u>3</u>
24. Number of club boys who entered college for first time this year	<u>7</u>
25. How many times have you been visited by specialists from college or the Department?	<u>Yes</u>
26. Was there a county fair held in your county?	<u>Yes</u>
27. How many demonstrators, cooperators and club members had exhibits?	<u>✓</u>
28. How many of these won prizes?	<u>✓</u>
29. How many demonstrations have you in truck or small fruit?	<u>2</u>
30. How many were successful from a financial standpoint?	<u>2</u>
31. How many farm account books distributed to farmers?	<u>2</u>
32. How many farmers in your county did you assist to keep cost production records?	<u>2</u>

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MISCELLANEOUS EXTENSION WORK

(Continued)

34. How many farmers in your county are practicing fall plowing as a
75% of all that do fall plowing result of county agent's work? **75%**
35. How many wood lots have been improved at your suggestion? _____
36. How many farmers in your county have been influenced to grow sugar
 cane or sorghum for syrup? _____
37. How many farmers began keeping bees this year or improved their
 methods at your suggestion? **2**
38. Number of hives involved in previous questions **12**
39. How many farmers induced to transfer from old to improved hives? **2** ✓
40. Number of hives involved in these transfers **12**
41. How many new queens introduced? _____
42. How many honey extractors purchased? _____
43. List in following table work done in connection with seed improvement.

CROP	Improved seed secured		Improved seed offered for sale	
	Farms	Bushels	Farms	Bushels
Corn	11	12	2	60
Wheat	4	10	2	20
Rye				
Cotton		(lbs)		(lbs)
Oats	1	2	1	65
Potatoes				
Tobacco		(oz.)		(oz.)
Other Soy Beans	2	2	2	60

W. E. MYERS

County Agent

ADDITIONAL SHEET

(Space for agent's stamp)

SEED CERTIFICATION

Corn, Wheat, oats, rye, soy beans, cow peas, peanuts

1. Total number of demonstrations in certified seed production 2
2. Number of farmers making ear-to-row tests or growing certified corn 3
3. Total acreage of corn eligible for certification
4. Number of farmers making head selections of wheat or growing certified seed wheat 1
5. Total acreage of wheat eligible for certification 3
6. Number of farmers making head selection of oats or growing certified oats 1
7. Total acreage of oats eligible for certification 2
8. Number of farmers growing certified rye
9. Total acreage of rye eligible for certification
10. Number of farmers growing certified soy beans 2
11. Total acreage of soy beans eligible for certification 224
12. Number of farmers growing certified cow peas
13. Total acreage of cowpeas eligible for certification
14. Number of farmers growing certified peanuts
15. Total acreage of peanuts eligible for certification
16. Estimated total value of certified seed produced in your county 855.00
17. Estimated increase in value of all certified crops as compared with values if ordinary crops had been grown 218.50
18. How many farmers used certified seed through your influence? 5
19. Estimated total acreage of all crops planted with certified seed 19
20. Estimated total increased value of all crops due to the use of certified seed 218.50

(For additional remarks use reverse side of this sheet)

None of the three corn demonstrators who started out to grow Certified Seed were successful.

W. H. Smith who started out with 52 rows to grow Certified Seed's Yellow Dent did not get a uniform stand to begin with and the crews consumed so much of it afterwards that his results were not accurate enough for him to attempt to have his seed certified.

Mr. Scheffler, another farmer who attempted to grow Certified Seed was more unfortunate than Mr. Smith, however, his attempt has been worth a lot to the county, especially to the farmers in his section. The value of his experience was worth most in demonstrating the absolute necessity of testing seed corn. He planted 52 rows from 52 different ears of corn, (100 grains from each) saving the ear remnants from each. He got an excellent stand with the exception of one row, where not a single grain germinated. His plot was on the main road and every one passing learned the valuable lesson that some seed will not germinate. His chances to raise certified seed was later ruined by cut worms. They cut his crop so badly that his results could not have been worth anything. He therefore prepared the land and seeded it to Soy Beans.

Mr. Hersey's experience, the third demonstrator, was even sadder than the others. I am copying his statement word for word:
"The test was in a field where my whole crop of corn was planted. I cut and shocked the field corn next to the test rows and left the plot intending to pull the ears from each row and weigh and examine separately. While some day hands were cutting the field corn some new hands came in and I directed them to join the other hands and go to cutting. I followed in a few minutes and was amazed and provoked to find they had got in on my test rows and had cut and mixed stalks from, at least, one-third of the rows which vitiated and destroyed the test as a whole and it was abandoned and the remainder harvested along with the rest of the field."

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SPECIAL REPORT BY WHITE AGENTS ON WORK WITH

NEGRO FARMERS

NOTE:- The data reported on this and following page must be included in your report on all work done. Negro agents need not report on these sheets.

1. Number of negro demonstrators (all crops) _____
 2. Number of negro demonstrators reporting (all crops) _____
 3. Total acreage of all crops grown under improved methods on negro demonstration farms _____
 4. Number of negro cooperators (all crops) _____
 5. Total acreage of all crops of negro cooperators _____
 6. Number of negro farmers who planted pure or selected seed on their demonstrations _____
 7. Number of negro farmers you have influenced to select seed for next year's crop _____
 8. Estimated quantity of all seed selected by negro farmers (bushels) _____
 9. Name the principal crops grown under demonstration methods by negro demonstrators and cooperators _____
-
- | | | |
|--|-----------------------------|-------|
| | (Horses - - - - -) | _____ |
| | (Beef cattle - - - - -) | _____ |
| | (Sheep and goats - - - - -) | _____ |
| | (Dairy cattle - - - - -) | _____ |
| | (Hogs - - - - -) | _____ |
| | (Poultry - - - - -) | _____ |
-
10. Number of pure-bred animals bought by negro farmers at your suggestion - - - _____
 11. Number of negro farmers who have produced practically all their home food and feed due to your influence _____
 12. Number of negro agricultural clubs or community organizations formed this year for the general improvement of rural conditions _____
 13. Number of members _____

Space for agent's stamp

SPECIAL REPORT BY WHITE AGENTS ON WORK WITH

NEGRO FARMERS (Cont'd)

- | | | |
|--|---------------------------------|-------|
| | (New houses built - - - - - | _____ |
| | (New barns built - - - - - | _____ |
| | (New schools built - - - - - | _____ |
| 14. Farm and rural improvements made | (New churches built - - - - - | _____ |
| due to agent's influence - - - - | (New toilets built - - - - - | _____ |
| | (Buildings improved or repaired | _____ |
| 15. Number of Farm Makers' Clubs organized this year | | _____ |
| 16. Number of members in these clubs | | _____ |
| 17. Number of Home Makers' Clubs organized this year | | _____ |
| 18. Number of members in these clubs | | _____ |

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SUCCESSFUL UNDERTAKINGS

Each county agent will be expected to report three (3) important pieces of extension work attempted and successfully accomplished by him during the year. Details of your plan, method of procedure; and results, together with any other interesting facts and observations concerning each piece of work, should be included.

This sheet and as many additional sheets as are necessary should be used for this purpose.

My work with the Tobacco Growers Co-Operative Association has been one of the most important accomplishments. At the end of last year we had about 50 % of the tobacco in the county signed up. Now we have over 75 % of it signed up and have organized a County Association, and a number of local organizations. Our aim is to have a local in every school house in the county. The best results of my labor with the Association has not been in getting the members to sign, but in keeping them loyal to the Association after they have signed. Meetings were held all over the county to get new signers, at each of these meetings the Agent was either present or had someone present to impress the absolute necessity of their loyalty to their organization. As a result of the Agents efforts every business man in the village with the exception of one agreed to give one day

to canvassing farmers who had not signed for the purpose of getting their signature. The day was set and each business man given a list of non-signers to canvass. The result was that a large number of additional farmers came into the organization.

In cooperation with the Dept. of the Local Experimental Station the Agent arranged for a Tobacco Growers Picnic at which over 2,000 farmers and their families were present. This meeting was addressed by officials of the Tobacco Growers Association and officials from the Experimental Station. After the speaking many farmers visited the Experimental Station where the results of the different experiments were explained.

The Agent held tobacco seed treating demonstrations at practically all important centers in the county, which resulted in more than 500 farmers treating or having their seed treated.

2- If I can call any one piece of work more important than another I would say that club work is the most important project undertaken. I consider it important not simply from the child's standpoint but from the influence the child's work has on the parents and the community. Club work in this county is not what I would like for it to be, but I think I have made some progress along this line during the past year, especially in enrollment and organized clubs. This year 114 members were enrolled and nine clubs organized, from which I got eight reports. The reports show that most of the clubs did not have the required number of meetings, but I feel that I have made some progress and will be able to make a better report of this work next year.

3- Since a large amount of labor and land are devoted to corn, wheat and oats, I felt that the certified work done with these crops in the county during the past year will mean as much to the farmers within a year or so as anything that could have been started. In every case the certified seed used made a larger yield than other seed used on the same land or same type of land. In some cases the certified seed gave a yield nearly double that of the other seed. T. Borge Moore for instance raised 105 bushels of oats from two bushels seedling of certified oats and 54 bushels from Winter Gray. S. H. Anderson raised 35 bushels wheat from 1 1/2 bushels certified seed and on better land he raised only 22 bushels from 1 1/2 bushels seeded with other seed.

I want to mention that the Agent has secured leases for lime bins at two points this year. At one point the bin has been built and is in operation and at the other the lease has just been approved. This will make a total of four bins in the county.

A Poultry Demonstration worth while.

Out in the country about twelve miles from the Railroad lives a little family of three - Father, Mother and a little son ten years old. Although the Father has T.B. and is almost blind he, with the assistance of his good wife and little boy, are making a living by farming their farm of sixty acres.

Last year this little boy joined the Poultry Club, but did not get his eggs set until very late, however, he had a good hatch and by careful attention raised most of them. By the last of Sept. a fox had left him not more than half of them.

One day when I was holding a culling demonstration at this place his Mother said to me "Robert is right much discouraged since the foxes have caught so many of his chickens but is going to continue the work next year. I have learned a lot from his experience that will help me in making my flock a paying investment. You know my husband's health is very poor and I want to learn everything I can about poultry so I can help take care of the family. Robert and I are going to be real Poultry Club Members next year".

Demonstration with Corn.

Mr. Bingham, a Corn Club member, made sixty bushels on his acre. When he was enrolled he wanted to use the seed his father had been raising but upon examination by the Agent this seed was found to be of poor quality and badly mixed. After some argument the Father agreed for the boy to have better seed. This fall after the boy had harvested and measured the corn his father told me he had learned a lesson from the boy's acre of corn that would be of unestimatable value to him. He is now a better seed advocate. This boy had some very good exhibit corn, and exhibited 41 ears at the county fair, winning a total of \$13.00 in prizes. Ten ears was exhibited in the club class, ten ears in each of three other classes and one ear in the single ear class in the open exhibit where there were seventy-six entries. He won first prize not only in the club class but first in the other three classes as well as first in the single ear class. He is planning to send a couple of ten ear exhibits to the State Corn Show which is to be held in Jan. This boy's corn is the talk of that neighbor-hood. He has already told ten farmers their seed for next year.

W. H. BYRNE

County Agent
APPROPRIATE

BOYS' CLUB WORK

Furnish at least three human interest stories, with pictures if possible. Use separate sheet if necessary.

Also furnish the name and address of the club member in each crop or animal demonstration who made the best record for the year, and a statement of the record to include, variety of seed planted, yield per acre, cost, net profit, value of prizes won, and for livestock the number of animals involved, original and final values of the same, net profit, and value of prizes won.

CLUB MEMBERS WITH BEST RECORD FOR YEAR.

Cereals - Raised by - Wm. A. Bingham, York, Va.

<u>Variety seed</u>	<u>Yield</u>	<u>Cost</u>	<u>Net Profit</u>	<u>Prizes</u>
Beane County	6000.	\$22.30	\$45.70	\$13.00

SWEET CLOVER

Raised by Eugene Carson, Appomattox, Va.

<u>Variety</u>	<u>Yield in lbs. cured hay</u>	<u>Cost</u>	<u>Net Profit</u>	<u>Prizes</u>
White Blumhul	2100	\$2.27	\$15.83	\$2.00

BREEDING PIG

Raised by Dettridge Martin, Oakville, Va.

<u>Breed</u>	<u>Original Value</u>	<u>Final Value</u>	<u>Net Profit</u>	<u>Prizes</u>
Berkshire	\$15.00	\$50.00	\$34.25	\$28.00

POULTRY

Raised by Frances Gordon, Appomattox, Va.

<u>Breed</u>	<u>Original Value</u>	<u>Final Value</u>	<u>Cost</u>	<u>Net Profit</u>	<u>Prizes</u>
W. Leghens	\$300	\$55.00	\$21.25	\$33.75	\$4.00

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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 demonstration farms (pounds seed cotton) _____
5. Estimated average yield for entire county (pounds seed cotton) _____
6. Increased yield per acre on demonstrations over ordinary methods -
(pounds seed cotton) _____
7. Number of cooperators _____
8. Total acreage grown under improved methods by cooperators _____
9. Average yield per acre by cooperators (pounds seed cotton) _____
10. Number of farmers testing seed cotton for germination _____
11. Number of bushels so tested _____
12. Number of demonstrators who planted pure or selected seed _____
13. Acreage planted with pure or selected seed _____
14. Number of farmers you have induced to field select seed for next
year's crop _____
15. How many turned under cover crops on their demonstration acres? _____
16. Number of acres treated for diseases or insect pests _____
17. Have you been able to get the farmers in any community to grow but
one variety of cotton? _____
18. On how many farms have you introduced the growing of cotton or im-
proved cultural methods? _____
19. Number of communities in which cotton demonstrations were conducted _____

Pure Bred Pig Proves its Value to "Daddy" and the Community.

Last spring when Dottridge Martin's pig was delivered to him and he had to pay \$15.00 for it his father and all his neighbors thought it was outrageous to pay such a price. The Agent was not criticized to his face for advocating the purchase, but the criticism broke loose after his departure when delivered the pig weighed 69 pounds and at the end of the contest which was 152 days the pig weighed 295 pounds. The pig was exhibited at the state fair where it won second prize, at Petersburg where it won first prize and at the County fair where it won first prize, and the sweepstake for the best Berkshire Silt on the grounds. The total prize money was at all fairs was \$28.00. Shortly after the pig came back from the fair I visited the boy and while there his father said to me "That boy's pig will make two of any I have on the place. We have bred her to a registered boar, and furthermore I don't ever expect to raise any more like these in that pen. When you brought that pig here I doubted the advisability of paying \$15.00 for her, but she is the cheapest hog that has ever been on this farm."