

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 1916.

DUE DECEMBER 31, 1916.

STATE, Virginia

COUNTY, Bedford

REPORT OF A. K. Arthur

COUNTY AGENT.

FROM JANUARY 1, 1916, TO DECEMBER 31, 1916.

APPROVED:

STATE AGENT.

DATE FORWARDED.

DIRECTOR OF EXTENSION WORK.

P. E. ARTHUR

Agent

LEESSVILLE, VIRGINIA

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.

This Co. for a Co. has 8050 square miles & 6500 farmers. Hence, a "rose can't be made to do any amount of work in one place. The farmers, as a whole, are very, very intelligent & they look upon a County Agent as being employed by them. They want & expect him, as far as possible, to call on them & give such information as he (Ag't) may be able to then they expect the Ag't. to "ride on" & let them use information with their own to suit their particular case. Therefore, in field measuring of Ward Demonstrator I have none, as none are willing to take time to fill record books or write letters as yet. When I took position as Co. Ag't. to fill an unpaid term of 6 months, there was a petition of 800 farmers before the Superior Court, that work be cut out. At expiration of 6 mo. the petitioners, vote standing at 4. One finally yielding in my favor. At last meeting of Superior Court - a few weeks ago - every member voted for it & no petition against, but one for it.

The above is not intended to be in behalf of myself, but a brief statement of conditions here.

ANNUAL REPORT FORM AND INSTRUCTIONS TO AGENTS.

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

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

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

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

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

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

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

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

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

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

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

CROPS:

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

LIVE STOCK:

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

OTHER WORK:

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

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

CORN.

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

U.S.D.A. NO. 222 A

Lucville, S.
(Agent's Headquarters)

O. K. Arthur
(Name of Agent)

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. Increased yield on demonstrations over ordinary methods _____
6. Number of co-operators _____ Acreage _____ Yield per A. _____ bu.
7. Number who planted pure or selected seed on their demonstrations _____
8. Number of farmers you have influenced to select seed for next year's crop 43. Estimated amount of seed selected About 100 bu.
9. Number who fall plowed their demonstration acres _____
10. Number who turned under cover crops on their demonstration acres _____
11. State number of acres harvested for silage _____ Yield per A. _____ tons.
12. State number of acres "hogged down" _____ Value per acre when utilized this way \$ _____
13. State number of acres treated for diseases or insect pests _____
14. How many farmers have you influenced to use better methods in growing corn this year? _____
15. Estimate total number of farmers in county who have been influenced to use better methods in corn growing since county agent work started _____
16. What per cent is this of total number of farmers in your county? _____

See back

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

Practically all the farmers in this county, now
want their corn almost exactly according to teaching
of U. S. Department of Agriculture. Hence, it is
next to impossible to get one as a demonstrator, except
to keep a record of expenses & bbls made & this
seems impossible. None will keep an expense
account. Very few, if any, will measure corn
but most all keep mental note of loads
hauled, in shucks, & estimate each load at
2 1/2 bbls. None will let you know (by post)
how much they made if you go to ask
thaw or are 99 out of 100 he will tell
you that he has forgotten, hence, in
full meaning of the word I have no
corn demonstrator but hundreds who
have asked & received information
along culture &c. Therefore, I can not
with any degree of accuracy answer questions here.

COTTON.

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

No cotton raised

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 has 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 county to grow but one variety of cotton? _____ Give particulars _____

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

TOBACCO.

SPACE FOR AGENT'S NAME.

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

1. Number of demonstrators *none*
 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 _____
- Su Laek*

Have been doing all I could to
get farmers to cut out raising
so much Tobacco & raise more
feed, here, I have no tobacco
dem., but have given much
information as to fertilizer for it
& method of raising.

TOBACCO.

SPACE FOR AGENT'S SIGNATURE

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

1. Number of demonstrators *None*
2. Number of demonstrators reporting _____
3. Total acreage in demonstration _____
4. Average yield per acre (pounds) _____
5. Increased yield of demonstrations over ordinary methods _____
6. How many farmers have you induced to plant pure or selected seed? _____
7. How many farmers have you induced to field select seed for next year's crop? _____
8. How many fall plowed their demonstration acres? _____
9. How many turned under cover crops on their demonstration acres? _____
10. How many tobacco farmers did you influence to adopt a rotation system? _____
11. State the number of acres treated for insect pests. _____
12. Estimate the total number of acres in your county which were worked by improved methods due to the county agent's influence _____

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

SPACE FOR AGENT'S SIGNATURE

F. E. ARTHUR
COUNTY AGENT
LEWISVILLE, MISSOURI

none

DEMONSTRATION.

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

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

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

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

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA.

none

DEMONSTRATION.

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

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

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

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

SPACE FOR AGENT'S STAMP.

P. K. ARTHUR
Agent
LEESVILLE, VIRGINIA

now

DEMONSTRATION.

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

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

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

HAY, FORAGE, OR COVER CROPS.

P. K. ARTHUR
Agent
LEESVILLE, VIRGINIA

[NOTE:- This form to be used for such crops as Alfalfa, Crimson, Alsike, Red, Bur and Sweet Clovers, 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 the space below.]

Red clover

DEMONSTRATION.

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

- Number of demonstrators 20
- Number of demonstrators reporting none
- Total acreage in this crop grown under improved methods on demonstrations 104
- Average yield per acre on demonstration 2 1/2 (tons of cured hay)
- Number of acres cut for hay 104
- Increased yield of demonstrations over ordinary methods 2 1/2 (tons cured hay)
- Number of acres grazed off 0
- Estimated value per acre of grazing \$ _____
- Number of cooperators _____ Acreage _____ Yield per acre cured hay (tons) _____
- How many acres of legumes in this class of crops were inoculated? 0
- How many farmers ordered inoculating material through you from the Dept? 0
- How many demonstration acres were turned under for soil improvement purposes? can not say
- Estimate total number of acres in county turned under by agent's advice 300000
- How many acres were sown this fall? can not say
- Estimate acreage grown in county before county agent's work started about 1/2
- What is your estimate of the increased acreage of this crop in the county, as the result of the agent's influence? 50 Give increase by year if possible.
 First year's increase can not say Third year's increase _____
 Second " " _____ Fourth " " _____

Rice below is one of my hobbies & the
104 here reported is just what twenty (20)
different farmers told me they would
seed according to my suggestions
but some would keep an account.

There are hundreds of other acres, of course,
seeded in the county due perhaps to
my persuasion.

The crop is greatly on the increase

HAY, FORAGE, OR COVER CROPS.

P. E. ARTHUR
Agent
LEESVILLE, VIRGINIA

(NOTE:- This form to be used for such crops as Alfalfa, Crimson, Alsike, Red, Bur and Sweet Clovers, 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 the space below.)

Alfalfa

DEMONSTRATION

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

- Number of demonstrators *22*
- Number of demonstrators reporting *none*
- Total acreage in this crop grown under improved methods on demonstrations *61*
- Average yield per acre on demonstrations *about 10 tons of cured hay*
- Number of acres cut for hay *61 2/3 tons of 5 cut stems*
- Increased yield of demonstrations over ordinary methods *some known* (tons cured hay)
- Number of acres grazed off: *none - so far*
- Estimated value per acre of grazing \$ _____
- Number of cooperators _____ Acreage _____ Yield per acre cured hay (tons) _____
- How many acres of legumes in this class of crops were inoculated: *10*
- How many farmers ordered inoculating material through you from the Dept? *4*
- How many demonstration acres were turned under for soil improvement purposes? *None so far*
- Estimate total number of acres in county turned under by agent's advice *0*
- How many acres were sown this fall? *He reported to me but of course there are many more*
- Estimate acreage grown in county before county agent's work started *absolutely none*
- What is your estimate of the increased acreage of this crop in the county as the result of the agent's influence? *100% - Give increase by year if possible.*
 First year's increase *have no!* Third year's increase _____
 Second " " _____ Fourth " " _____

This act (aefaf) is beginning
to come good here

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

HAY, FORAGE, OR COVER CROPS.

(Note: - This form to be used for such crops as Alfalfa, Crimson, Alsike, Red, Bar and Sweet Clovers, 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 the space below.)

Crimson Clover

DEMONSTRATION.

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

- Number of demonstrators *4/2*
- Number of demonstrators reporting *same*
- Total acreage in this crop grown under improved methods on demonstrations *189*
- Average yield per acre on demonstrations *do not know* (tons of cured hay)
- Number of acres cut for hay *same so far*
- Increased yield of demonstrations over ordinary methods *do not know* (tons cured hay)
- Number of acres grazed off *none yet*
- Estimated value per acre of grazing \$ _____
- Number of cooperators _____ Acreage _____ Yield per acre cured hay (tons) _____
- How many acres of legumes in this class of crops were inoculated? *0*
- How many farmers ordered inoculating material through you from the Dept? *0*
- How many demonstration acres were turned under for soil improvement purposes? *none yet*
- Estimate total number of acres in county turned under by agent's advice *2 years more this spring*
- How many acres were sown this fall? *189 that I know of*
- Estimate acreage grown in county before county agent's work started *none*
- What is your estimate of the increased acreage of this crop in the county as the result of the agent's influence? *100% five increase by year if possible.*
 First year's increase *600,000* Third year's increase _____
 Second " " _____ Fourth " " _____

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

HAY, FORAGE, OR COVER CROPS.

(NOTE: - This form to be used for such crops as Alfalfa, Crimson, Alsate, Red, Bur and Sweet Clovers, Lespedeza, Vetch, Vetch and Oats - Fheat or Rye, Crimson Clover and Oats - Shent 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.)

Sudan Grass

DEMONSTRATION.

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

- Number of demonstrators *10*
- Number of demonstrators reporting *none*
- Total acreage in this crop grown under improved methods on demonstrations *18*
- Average yield per acre on demonstrations *2000 lbs* (tons cured hay)
- Number of acres cut for hay *18*
- Increased yield of demonstrations over ordinary methods _____ (tons cured hay) *2000 lbs*
- Number of acres grazed off *0* *except after it was cut*
- Estimated value per acre of grazing \$ _____
- Number of cooperators _____ Acreage _____ Yield per acre cured hay (tons) _____
- How many acres of legumes in this class of crops were inoculated? *0*
- How many farmers ordered inoculating material through you from the Dept? *0*
- How many demonstration acres were turned under for soil improvement purposes? *0*
- Estimate total number of acres in county turned under by agent's advice *none the 9 months*
- How many acres were sown this fall? *0*
- 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? *100%* Give increase by year if possible.
 First year's increase *100%*
 Second " " " " " " " " " " " "
 Third year's increase _____
 Fourth " " " " " " " " " " " "

This is first year the Sudan Grass
has been tried to any extent & from
experiments this summer it will
fill a place, in some sections,
which nothing had ever done
before & I look for much to be
sowed next spring

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

F. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

Cowpeas

DEMONSTRATION.

WRITE IN THE NAME OF EACH CO-OP. SEPARATE SHEET FOR EACH.

- Number of demonstrators *19*
- Number of demonstrators reporting *none*
- Total acreage of this crop grown under improved methods on demonstration
farming *153*
- Average yield per acre on demonstrations - *none taken on average*
Seed (bushels) _____, Cured hay (tons) _____
- Increased yield on demonstrations over ordinary methods -
Seed (bushels) _____, Cured hay (tons) *do not know*
- Number of co-operators _____ Acreage _____ Yield per acre _____
Seed (bushels) _____, Cured hay (tons) _____
- Total acreage of demonstrators and co-operators' interest for seed *0*
- Total acreage of demonstrators and co-operators' interest for hay *80 refused*
- Number of acres grazed off _____; Estimated value per acre of grazing \$ _____
- Total number of acres turned under for soil improvement *73*
- Total number of acres inoculated, *0* by Department cultures _____
by inoculated soils _____
- Give estimate of the number of acres in your territory which were planted
to this crop due to your influence *500 or more*
- If possible give the increase by years - *can not*
First year's increase _____ acres Third year's increase _____ acres
Second " " _____ acres Fourth " " _____ acres

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

low peas are very much grown here now
Thousands of acres were sowed in Canada
last year, perhaps, to my suggestion but
I only report here the ones who agreed to
do so. I am perfectly safe in saying
that there was more pea hay mow
peas turned under for land improvement
this summer than in past three years.

I know one farmer who gave the pea
hay on a 6 acre field to a neighbor
just to get it off of ground or he could
prepare land for wheat. This because
he had all feed needed no time
to haul the pea hay, & many
instances of this kind in Canada.

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

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

Soy Beans

DEMONSTRATION.

SEPARATE SHEET FOR EACH CROP. SEPARATE SHEET FOR EACH FARM.

- Number of demonstrators 24
- Number of demonstrators reporting none
- Total acreage of this crop grown under improved methods on demonstration farms 188
- Average yield per acre on demonstrations - none checked or weighed
Seed (bushels) _____ Cured hay (tons) _____
- Increased yield on demonstrations over ordinary methods - do not know
Seed (bushels) _____ Cured hay (tons) _____
- Number of cooperators _____ Acreage _____ Yield per acre -
Seed (bushels) _____ Cured hay (tons) _____
- Total acreage of demonstrators and cooperators reserved for seed 0
- Total acreage of demonstrators and cooperators cut for hay 92
- Number of acres grazed off 0; Estimated value per acre of grazing \$ _____
- Total number of acres tilled under for soil improvement 96
- Total number of acres inoculated 0 by Department cultures _____
by inoculated soils _____
- Give estimate of the number of acres in your territory which were planted to this crop due to your influence 500 or more
- If possible give the increase by years - do not
First year's increase _____ acres Third year's increase _____ acres
Second " " _____ acres Fourth " " _____ acres

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

Soy Beans are also very much grown
here now. More last year than
past three years.

Bees of all kinds are more used for
fodder and land improvement than
perhaps, any thing else put together
& the farmers seem just 'woken up to it'
& it is here to stay.

U.S.E.S. NO. 929 G.

POTATOES.
(SWEET OR IRISH.)

SPACE FOR AGENT'S STAMP.

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

None

DEMONSTRATION.

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

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

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

ORCHARDS.

SPACE FOR AGENT'S SIGNATURE

F. K. ARTHUR,
Agent,
GREENSBORO, VIRGINIA

1. Number of demonstration home orchards _____ *See back*
 Kind: Apple _____ Peach _____ (etc.)
2. Total number of trees in these demonstrations _____ Give statement of
 results on reverse side.
3. Number of orchards inspected - - - - - _____, No. trees _____
4. Number of orchards pruned due to your influence - _____, No. trees _____
5. Number of orchards sprayed due to your influence - _____, No. trees _____
6. Number of peach orchards wormed due to your influence _____, No. trees _____
7. Number of orchards planted due to your influence - _____, No. trees _____
- TOTAL _____
8. How many commercial orchards have you assisted in caring for? _____
9. How many trees did you actually spray? _____, Pruned _____, Wormed _____
10. Report of special campaigns, results, etc. _____

Most of fruit in this county is in
one corner or section & in that
section Prof. Starcher & Prof. Balton
of V.P.S. have been working
& I have had little to do with
it except to get them there

HORSES.

SPACE FOR AGENT'S STAMP

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

1. Give number of pure blood stallions 4, and jacks 6, 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 0
4. Give number of horses or mules in these demonstrations 0
(Give results under "Remarks".)
5. Give number of horses or mules fed and cared for according to methods you have advocated 0
6. Give number of pure blood stallions in county when demonstration work started same, Number now same
7. Give number of pure blood jacks in county when demonstration work started same, Number now same

DAIRY CATTLE.

SPACE FOR AGENT'S SIGNATURE

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

- How many head of pure bred dairy stock have been brought into the county through your influence? Bulls 4, Cows or Heifers 7.
- How many grade dairy cows have been brought into the county for breeding purposes through your influence? 22
- For many cows have been tested at your instance to determine the profitable milk producers? 23
- Do you carry or own a Babcock tester? Yes
- How many farmers have been induced to feed a better balanced ration to their stock? ~~None~~ How many head of stock so fed? _____
(Give results under "Remarks".)
- How many demonstrations in dairy work have you supervised? 0
- How many cows in these demonstrations? _____ (Give results under "Remarks".)
- How many new creameries established this year due to your influence? 0
- How many pure bred dairy bulls in the county when county agent work was started? ~~None~~ How many now? None
- How many pure bred dairy cows in the county when county agent work was started? ~~None~~ How many now? None
- How many new cream routes established this year due to the influence of the county agent's work? 0
- How many cow testing associations established under your influence? 0
- How many dairy breeders' " " " " " " 3

Six years ago there was not one dairy in
county, (that I know of) Today there
is about 100 & all seem to be
doing a good business.

No creameries here. All products
from dairy shipped to Lynchburg
& Roanoke to creamery there.

BEEF CATTLE.

E. K. ARTHUR

Agent
GREENSBORO, VIRGINIA

1. How many head of pure bred beef cattle have been brought in this year through your influence? Bulls 9, Cows or heifers 5.
2. How many head of females we have used brought in for breeding purposes through your influence? None that I know of.
3. How many head of breeding cattle were started, due to your influence? 0.
4. How many head of feeding cattle have been brought in through your influence? About 500 or more.
5. How many head of feeding demonstrations did you supervise? 0.
6. How many cattle in these demonstrations? 0.
7. On how many of these demonstrations were records kept? 0.
(Give methods, dates and results in dollars, gains made, cost of gains, total profit, etc., under "Remarks")
8. Indicate the number of beef cattle cared for according to methods which you advocated.
Number of cattle where methods were wholly followed _____
" " " " " partially " _____
(Give results of these methods and special campaigns along beef cattle lines under "Remarks".)
9. Number of beef cattle breeders' associations or clubs formed Three started
Number of members _____
10. Number of pure bred beef cattle in county when demonstration was started None that I know of Number now None that I know of
11. Number of pure bred beef cattle in county when demonstration was started None that I know of Number now None that I know of
12. Give names of pure bred beef cattle from the county by years since introduction was started: Not possible, except to get to all shipping points on 269th. 670 & 7th Ave & look of shipment for part by car

Almost every farmer now raises some
cattle. Shipments, I am sure
are ten times as large as few years ago.
Right many purchased cattle in country now
I have three farmers club under
way for the purpose of purchasing
some purchased bulls.

DIPPING VATS.

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

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

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

We have no need for Vats

Many, many farms are
grazing less cows now
than before but I can not
give number



When the no fence law went into effect
the sheep almost went out.

It is not dog or disease that so much
interfere with sheep raising, but
lack of fences.

Knowing there is nothing on farm so
profitable as a sheep, I have, perhaps,
spent too much time on sheep.

The farmer, however, are "sitting up & striking no iron."

I know of 241 which I thought to have
this year & many more that would have
been sold. I look for big increase
in sheep fences next year.

POULTRY.

L. ARTHUR
Agent
LEESVILLE, VIRGINIA

1. How many poultry demonstrations? 0
2. Number of each kind of poultry grown and cared for according to methods which you advocate.

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

Have no dem. in poetry, but
Three substances in way

**LIVE STOCK
DISEASES AND PESTS.**

SPACE FOR AGENT'S STAMP.

F. K. ARTHUR,
Agent,
LEESVILLE, 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 102, anthrax or charbon 0,
 " " " tuberculosis 0, ticks 0, lice 24,
 " " " digestive and other troubles 16.
 (Give results under "Remarks".)

Hogs treated for cholera (single treatment) - 0,
 " " " (simultaneous treatment) - 0,
 " " " worms 18, lice 27, mange - 0,
 " " " digestive and other troubles - 0.
 (Give results under "Remarks".)

Sheep treated for stomach worms 0, grubs 0, scab 0,
 " " " ticks 0, Digestive and other
 (Give results under "Remarks".) troubles 0.

Horses treated for spinal meningitis 0, distemper 7,
 " " " digestive ailments 0, accidents 3,
 " " " anthrax or charbon 0, other
 (Give results under "Remarks".) troubles 0.

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

Cattle: Blackleg 102 Anthrax or Charbon - 0,
 Tuberculosis 0.

Hogs: Hog cholera 0

Horses: Anthrax or Charbon 0

3. Have you instruments for such treatments? 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 - Have none

I do my letter & according to you
as far as our learning chemistry.

FERTILIZER.

P. E. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

1. How many farmers have you advised regarding proper use of fertilizers? 1000 or more
2. How many fertilizer demonstrations are the farmers conducting with you? 0
3. How much fertilizer used on such demonstrations? _____ (tons)
4. How many communities have you influenced to buy fertilizers cooperatively? 4

Quantity bought cooperatively	<u>Some farms</u>	(tons)
Value of fertilizer bought cooperatively	-	\$ _____
Amount saved	-	\$ _____
5. Number of farmers home-mixing fertilizer on your advice 0
6. Estimated saving per ton to farmers \$ _____
7. Number of farmers who top-dressed crops with fertilizer at your suggestion 0

MANURE.

SPACE FOR AGENT'S STAMP.

F. R. ARTHUR,
Agent,
LEESVILLE, VIRGINIA.

1. How many farmers have you induced to take better care of farm manure? 147
2. How many have provided manure sheds at your suggestion? 11
3. How many are composting farm manure and waste products? Do not know
4. How many manure spreaders are in the county? 22 that I know of
5. How many have you helped to place? 9
6. How many farmers are using phosphate or other materials for reinforcing farm manure? None that I know of
7. Estimated quantity of farm manure now being saved in your territory — (tons). Impossible

Manure is one of my strong suits
I wish I took it to most every farmer
I have only put down here the
number (14) who told me
they would follow my suggestions

SILOS.

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

1. How many silos built in county this year? Do not know
2. How many silos built as a result of your advice? 8 that I know of
3. How many silos were in county when county agent's work was started? Do not know
How many in county now? Do not know
4. Of the number of silos in county now there are:
Tile _____, Cement _____, Stave _____, Stone _____, Other _____
5. Give growth in number of silos by years:
- First year do not know (19__)
- Second year 2 (19__)
- Third year 2 (19__)
- Fourth year 2 (19__)

It is very much on increase.

I can not tell how many in County.
Many are lost every year of which
I know nothing. Some rot, some
fall down & some burn & of course I
can not keep account.

Just a moment ago a Mr. Ward
of Thaxton, Va (40 miles from here) rode
up to my door (and looking for cattle) &
in course of our conversation remarked,
Well I have heard that it is you have
been after me about. Had he not
have passed here I should have known
nothing of it until I called at his house
and there many just sick cases

LIME.

P. K. ARTHUR,
Agent,
GREENSVILLE, VIRGINIA

1. Number of farmers using lime due to your influence 13 that I know of
2. Quantity used due to your influence 876 (tons) ^(Estimated) that I know of
 Burned lime that I know of (tons), Limestone or its equivalent that I know of (tons)
3. Number of acres treated first year of demonstration work about 1200 acres
4. " " " " second " " " " 2 (1921)
5. " " " " third " " " " 1 (1922)
6. " " " " fourth " " " " 1 (1923)
7. " " " " fifth " " " " 1 (1924)
- Total - - - 1
8. Number of local sources of lime developed 0
9. Number of lime crushers installed as a result of your work 0
10. Number of lime kilns built as a result of your work 0

Six years ago not one farmer
out of ten used lime.

To day it is almost the reverse.

I talk it, I push it & I preach it

One farmer told me that he ^{had} not
been to Leesville depot (my own station)
for past three weeks that he did
not see some one unloading a
car of lime.

ORGANIZATION.

P. E. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

Su Book

1. How many farmers' clubs have you assisted in organizing? _____
2. Give total membership of these clubs _____
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? _____
5. Is there any central county organization supporting your work? _____
If so, what is it called? _____
Who may be members of the central organization? _____
6. What other organizations of farmers or business men cooperate with or support your work? _____
7. State the quantity of each farm product bought or sold by these organizations and the approximate saving to the farmer _____

8. Have you attempted to keep a bulletin board in your office, listing things for sale and things wanted? *Yes I find it a good thing!*

I do not fool with organizations
other than to assist in any movement
that is to the uplift of the community.
I must & make addresses to nearly
every organization in Co. but have
not time to do with detail.

**FARM AND FARMSTEAD
IMPROVEMENTS.**

F. K. ARTHUR,
Agent,
GREENSVILLE, VIRGINIA

THINGS DONE WITH AGENT'S ASSISTANCE AND ADVICE

1. Number of buildings erected *27 - Homes*
2. Number of farm buildings improved *14*
3. Number of new building plans furnished *2*
4. Number of farm buildings painted or whitewashed *41*
5. Number of home water systems installed or improved *16*
6. Number of home water systems in county before demonstration, work started *done that I know of*
Number now *done*
7. Number of home lighting systems installed *8 that I know of*
8. Number of home lighting systems in county before demonstration, work started *done*
Number now *done*
9. Number of home grounds improved *best say*
10. Number of farm and home sanitary conditions improved *best say, but many*
11. Number of homes screened against flies and mosquitoes *done*
Number of fly traps installed *done*
12. Number of sanitary privies erected
13. Number of telephone systems installed *but many*
14. Number of farmers furnished plans and induced to adopt a systematic rotation
15. Total acreage of such rotations
16. Crops commonly used in these rotations:

*I discuss many rotations, but conditions are so
very different it is next to impossible to
follow any*

17. Number of new pastures established 100 or more
18. Number of old pastures renovated 41 Acreage Don't know
19. Number of drainage systems established in county 7 that I know of
20. Number of farmers induced to drain all or part of their farms 7
21. Number of such acres drained - by tile Don't know ditch Don't know
22. Number of farmers induced to remove stumps Don't know Acreage _____
23. Number of farmers induced to terrace their sloping lands 0 Acreage _____
24. Number of home gardens planted or improved Don't know
25. Number of farmers induced to save surplus farm products for winter use Don't know
26. Number of road improving demonstrations assisted in some but work for many and for different amounts
27. Number of miles of improved roads resulting therefrom Don't know
28. Number of farmers who planted cover crops to be turned under 70 that I know of
29. Number of acres in each kind of cover crop: Don't know
- Crop _____ Acreage _____
- Crop _____ Acreage _____
- Crop _____ Acreage _____
- Crop _____ Acreage _____

30. Number of new implements and tools bought:

Binders 12 Mowers 18 Hay rakes 6

Hay presses 2 Grain drills 34 Ensilage cutters 3

Gas engines 36 Disk harrows 44 Cream separators 3

Cultivators: ^{riding} two horse 9 one horse 50 Small tools Never measured

Spraying machines 1 Etc. 75 or more like labor saving tools

**MISCELLANEOUS
DEMONSTRATION WORK.**

P. K. ARTHUR,
Agent,
LEESVILLE, VIRGINIA

Carrolltown

- | | | | |
|--|---------------------------|--|--|
| | (DEMONSTRATORS) | | |
| | (COOPERATORS) | | |
| | (CIVIL FARMERS) | | |
| | (BUSINESS MEN) | | |
| | (BOY & GIRL CLUB MEMBERS) | | |
1. Number of visits by agent to _____
 2. Number of miles traveled

(Railroad)	416	
(Team)	1047	
(Otherwise)	32	Total 1515
 3. Calls on agent relative to work at office or home (Personal 103
Telephone 21)
 4. Number of farmers' meetings held under auspices of agent or Extension Division _____
 5. How many meetings of all kinds did you address? 33
 6. Total attendance at such meetings (approximate) 6500
 7. How many field meetings held by you? 0
 8. Total attendance at these meetings _____
 9. What per cent of time spent at office work? $\frac{1}{6}$

HOW	(CORRESPONDENCE)	$\frac{1}{2}$
DIVIDED	(COUNTING)	$\frac{1}{4}$
	(MISCELLANEOUS)	$\frac{1}{4}$
 10. What per cent of time spent in field work? $\frac{5}{6}$

HOW	(SUPERVISING REG. DEM.)	$\frac{1}{2}$
DIVIDED	(OTHER FARM VISITS)	$\frac{3}{4}$
	(AT MEETINGS)	$\frac{1}{4}$
	(ASSISTED IN SHOWS)	0
	(COURSE WORK)	0
	(ORGANIZATION)	0
 11. Number of official letters written _____
 12. Number of articles relating to your work prepared for publication 12
 13. Number of circular letters prepared by you and sent out (Give list and copy if such is possible.) 0
 14. Number of bulletins or circulars of U. S. Department of Agriculture distributed 107
 15. Number of bulletins or circulars from State College or State Department of Agriculture distributed 18
 16. Number of visits to schools resulting at least _____ 28

17. In how many schools did you assist in outlining an agricultural course? 0
18. How many extension schools or short courses did you assist in? 0
19. Total attendance at these schools 0
20. Total number of days you were engaged in these schools 0
21. Number of farmers who attended short courses at college as a result of your effort 4
22. Number of boys attending Agricultural or other schools or colleges as result of club work 3
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? 2
25. Was there a county fair held in your county? Yes - a good one.
26. How many demonstrators, cooperators and club members had exhibits? 14
27. How many prizes won? 14
28. How many demonstrations have you in truck or small fruit? 0
29. Were they successful from a financial standpoint?
30. How many farmers in your county are keeping cost records at your instance?
Complete 0 Partial 0
31. How many farmers in your county are practicing fall plowing as result of county agent's work? 5000 or more.
32. How many farmers are selecting seed? 43 that I know of
33. How many farmers are growing any kind of improved seed for sale? Letal I know of
34. How many good lands have been improved at your suggestion? 0
35. How many farmers in your county have been influenced to grow sugar cane?
Sugar cane for syrup? Don't know

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

F. K. ARTHUR
Agent,
LEESVILLE, 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? *About 7/3*
2. Have opened new bank accounts since beginning demonstration work? *Nearly all have bank accounts*
3. Have increased their bank deposits since beginning demonstration work? *cannot say*
4. Own their farms? *3/4*
5. Have mortgages on their farms? *1/4*
6. Have paid off their mortgages since beginning demonstration work? *cannot say*
7. Trading on a cash basis since beginning demonstration work? *7/3*
8. Do the bankers and merchants favor demonstration farmers in placing business, such as in the loaning of money and extension of credit?

If so, give examples.

Do not know of any instance.
Most merchants thank for a counter employee
County Agent

WHAT PER CENT OF YOUR DEMONSTRATORS AND FARMERS ARE:

9. Decreasing their indebtedness along various lines? *About 7/3*
10. Showing increased interest in agricultural meetings? *2/4*

11. Showing a desire to study their farm business and progress: *Yes*
12. What additional industries have been established in your territory since demonstration work was begun: *Milk Dairy & Coommun*
13. What other signs of progress are apparent as a direct, or indirect, result of demonstration and extension work: *See a/c to #15*
14. In how many instances among your demonstrators and cooperators have labor saving devices for the home been installed: *Many but I have no record of them*
15. Name some of the more noticeable effects on the farmer's home and family, of his greater earning power due to better methods; such as increased opportunities for social intercourse, amusements, entertainments, greater contentment with farm life, increased interest in church work, etc. Give instances:

I feel safe in saying 90% have bank accounts established not over to
75. pay cash for fertilizer
98. Washmore bank
70. on trade at local stores
50. Have phone in homes

Many have water in homes
" " lights
" " Yelkotas 9 most

all minor of some kind.

Many have Automobile & most all luggage & mares where only a few use to have Saddle & harness.
Most all communities have Baseball grounds & games are well attended.
" " Schools " Basket " Courts " " " "
" " " " Cotton day & others " " " "

Attendance at school & Sunday School is double that of earlier.
from presentage stand point.

