

11/19/47

NARRATIVE REPORT OF AGRICULTURAL EXTENSION WORK

in

BOTETOURT COUNTY, VIRGINIA

1947

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## III. COUNTY ORGANIZATION

|  |   |   |  |
|--|---|---|--|
| Bot.- Roanoke<br>Fruit Growers<br>Committee        | Botetourt<br>County FBLA<br>Association | Botetourt<br>County D.H.I.A.<br>Association | Botetourt Co. Div.<br>Roanoke Coop.<br>Milk Producers<br>Association |
| Home Demonstration<br>Committee                    |   |   | Poultry  |
| Home Demonstration<br>Federation Goal<br>Committee |   |   | Botetourt<br>Wool Pool   |
| Home Demonstration<br>Amsterdam District           | COUNTY BOARD<br>OF<br>AGRICULTURE       |   | Botetourt Key<br>Banker  |
| Home Demonstration<br>Buchanan District            |   |   | Agriculture Committee<br>of Chamber of<br>Commerce                   |
| Home Demonstration<br>Fincastle District           |   |   | Farm Home<br>Administration  |
| 4-H Adult<br>Advisory Board                        |   |   | Natural Bridge<br>S.C.S. District                                    |
| F. F. A.<br>Federation                             | County Committee<br>Of P.M.A.           |   | 4-H County<br>Council  |

The above chart explains more clearly our County Organization than words can describe. The head of each of these organizations is a representative on the Board of Agriculture. Within the organization we elect a president and vice-president, also a secretary. This revision was made after lengthy discussion with the District Agent, Mr. Warrinner, Miss Davis and the Home and Farm agents, Miss Howerton and myself. For a number of years the agent has felt that the community neighborhood leader system did not get results. While we were late in organizing this year the agent has been able to work with the separate groups much more affectively than before. We have held one entire board meeting and several meetings with the various groups as needed. Our plan of work calls for three meetings a year of the county board, one in November, January and April. The November meeting will be held in December due to the heavy schedule of November. The work in these various organizations will be discussed later on in the narrative.

## IV. TYPE OF AGRICULTURE

Botetourt County lies in the Great Valley Region of Virginia. It is bordered by the Blue Ridge Mountains on the east and by the Alleghany Mountains on the west. Roanoke County forms the southwestern boundary of this county, and Bedford County the southeastern boundary. Botetourt is bordered by Rockbridge County on the northeast and Alleghany County on the northwest, and with Craig County on the western boundary.

Botetourt is the fifteenth largest county in the state, having 548 square miles and being made up of 1443 farms containing 161,373 acres of land of which 33,459 acres are cropland, 43,859 acres are non-crop pasture, and 84,055 acres in woodland, waste, etc.

Fifty percent of the county is more or less mountain ranges engulfing fertile lowland which is well adapted to general agriculture purposes, the latter making it a good farming section. In the agricultural section of the county, the principal soils found are Hagarstown, Frederick, Muckengum, Montevalle, and Berks.

In the county the principal types of farming are general, crop specialities, livestock, dairying, fruit growing, and general livestock-crop farming, with some truck farming. The county is very fortunate in pursuing this type of farming due to the fact that two main highways furnish us easy transportation to get our produce into market channels. Two principal railroads also furnish the same opportunity.

## V. PROJECT ACTIVITIES

## A. Agronomy

## 1. General

This year 38½ days were spent on Agronomy, 12 of which were on corn, three on cereals, 7 on legumes, 7 on pastures and 7 on other crops. It is gratifying to say that we are definitely making progress along all lines of agronomy. This is due largely to combined efforts of the P.M.A., S.C.S., and Extension working together under a well combined program as set up in the program of work. This was their assigned duty to the Board of Agriculture. Alfalfa and hybrid corns lead the way with pasture improvement coming in third. Three things have been largely responsible for these improvements, adapted seed varieties, proper amounts of fertilizer and lime, plus proper land use to conserve soil and moisture. These three factors will be covered more in detail in other phases of the narrative.

## 2. Corn

As last year the story is still hybrids. As best we can check practically all the corn crops have been hybrids. In fact I know of only two farmers who planted open pollinated corn for grain. Half or better of the silage acreage was planted to open pollinated varieties. However, with as many new varieties of hybrid corn on the markets we still have not answered the question as to what variety is best adaptable to Botetourt. I think we can safely assume that that question will never be completely answered. However, to keep abreast of the developments, the agent conducted three hybrid corn variety result demonstrations. These were planted in a cross section of the county, properly labeled, and field meetings were held at all three with a total attendance of 64 farmers observing the results. These demonstrators were selected at a combined meeting of the P.M.A. Committee, Soil Conservationists and Extension and while the supervision of the demonstrations was conducted solely by the agent the three organizations worked together, and gave emphasis to these demonstrations at every opportune time.

## 3. Barley

Barley acreage is on the increase. The factors responsible for this are; 1. the increased yield of corn per acre, through use of hybrids, curtailing the acreage of corn needed and barley taking its place, 2. barley being substituted in the rotation for corn,

3. Wong barley giving big increases over old varieties thus making it more profitable, 4. the combined efforts of P.M.A., S.C.S. and Extension in getting farmers to realize that Botetourt County is largely a hay and grass crop county. This means that we have established a number of three year rotations of barley and two years of hay, giving us more hay acreage and lots of supplementary pasture.

#### 4. Oats

Five farmers were persuaded to plant oats for the first time using winter varieties and 15 to 20 others who had been using oats were persuaded to change from spring varieties to winter varieties. This amounted to 12 to 15 bushels more per acre in their oat yields. I do not have the exact acreage of oats planted but it is estimated to be around 105 acres, with a 12 bushel increase which would amount to 1260 bushels of extra grain.

#### 5. Wheat

Heavy acreages are being sown to wheat because of the high prices of grain. Two things stand out this year. We have growing here in the county eight acres of Vahart wheat which is a new and outstanding variety and will, we believe, add greatly to increasing bushels per acre. The other thing is the treatment of seed with semesan. The farmers union at Lauderdale, membership 100, bought semesan for treating all their small grains except rye. However, very little rye if any is sown in that section. One other factor which is more or less a carry over of past years is an increase of fertilizer on small grain. Where we use to use 300# to 400# of fertilizer per acre we now use from 400# to 500# per acre and top-dress 50% of our upland with nitrate of soda, as a result of getting 12 TVA farmers and 10 others to try nitrate on wheat three years ago.

#### 6. Rye

We have emphasized the use of rye for two purposes, - as a cover crop in our peach orchards and vegetable fields, and as temporary grazing for fall and spring.

#### 7. Hay

As I have said before the Extension, S.C.S. and P.M.A. have presented Botetourt County to its farmers as being mainly a hay and pasture county. Therefore, we have done everything possible to increase the acreage of alfalfa, since it is definitely the most satisfactory hay for this county. The other hays such as lespedeza, mixed hay, and clover have been used in rotation.

The 1945 census shows that 308 farms were using alfalfa having 2447 acres, and averaging eight acres per farm, with a total yield of 4542 tons. We are satisfied that this acreage has increased to at least a 12 acre average per farm with an increased yield of  $2\frac{1}{2}$  tons per acre. Two factors have been responsible, the two alfalfa demonstrations as planned by the agent, on top dressing showed a slight increase over the acreage not top-dressed. The other factor has been the increase of fertilizer used for top-dressing. Whereas we use to use 400# to 500# for top-dressing, we now use 600# to 800#. This not only gives us a greater yield per acre but also maintains the stand longer, thereby making it more profitable to plant more alfalfa. We are still working on the problem of the barn hay dryer versus the pick-up bailer. Ashby Henderson gave us a partial answer to the question this year, wherein he stated and I quote, "I find that it cost more to hire a pick-up bailer to make my hay and I find that it takes no more work to put green hay on a hay drier than it does to haul in bailed hay and attempt to stack it in a mow." However, Mr. Henderson was properly prepared to unload the green hay, whereas he needed a conveyor to handle the bailed hay efficiently. Two facts have been adequately established this year in regard to alfalfa; the first is that it is definitely the major hay crop for beef and dairy cattle, and second, we can increase our tonnage and reduce our cost of production by applying adequate amounts of plant food.

The other hays, lespedeza, red clover, and mixed hays, we have used solely as rotation crops with small grain and corn. No particular Extension effort has been put forth on these this year.

#### 8. Pastures

The three agencies again functioning as a unit, through its educational program has presented Botetourt Agriculture to its farmers as being no stronger than its pasture improvement program. We have presented it three ways, first through our pasture demonstration, showing the different results on various treatments of pastures, second by urging maximum use of lime and fertilizers on pastures, based on what our demonstration shows, and third, on all of our S.C.S. farm plans and T.V.A. farms we gave first emphasis to pasture. Another thing that has helped us is the selection of a few leading farmers and having them apply 500# to 600# of complete fertilizer on good permanent sods. The Shaw Hereford farm has done an excellent piece of work along this line. They sowed half of the pasture field with 500# of 4-12-4 and the other half with phosphate. The difference stood out like a sore thumb. We have given a lot of publicity by news articles, radio and through meetings to the results of these treatments.

We have made some headway in supplementary pasture, planting 20 acres of ladino and orchard grass mixture on five farms. This looks very promising and from its results there is no doubt that more will be planted. Sudan grass, Italian Rye grass, soy beans and alfalfa have been used for supplementary pastures. We have not yet gotten as much supplementary pasture as is needed but more and more farmers are realizing the necessity of fortifying their production with early spring, mid-summer and late fall supplementary pastures.

#### B. Poultry

Working through the Troutville Hatchery which represents our poultry on the Board of Agriculture we have strived to build up the poultry industry here to meet our market demand. The agent has spent 15½ days on poultry. Those days were spent in trying to accomplish the objective set up in our plan of work which was to grow more broilers commercially to supply the trade area and to intensify the operation of small farms so that they would have a greater income. Mr. Firestone and I have worked together and have increased the number of broiler growers by six. We now have 21 small farmers producing broilers commercially. It seems as though we are going to fall short of our goal due to the lack of hatching eggs from which to supply these growers. Therefore, we have the problem of securing more laying flocks, and getting them certified for hatchery use. Here we have failed utterly as we have not increased the number of flocks any and two of our larger flocks have decreased in number. The increased cost and the scarcity of feed are discouraging flock owners. However, we see a bright future in our overall poultry program, due to the remarkable trade the Troutville Poultry farm has built up for broiler business and with the construction of a modern dressing plant which enables them to process efficiently the broilers raised.

#### C. Dairying

Our dairy work has been channeled through two organizations in our Board of Agriculture, namely the D.H.I.A. Association and the Roanoke-Rototourt Milk Producers Association. Most of the educational work from the production standpoint has been channeled through the D.H.I.A. We have held monthly meetings except through the summer and fall months. These programs have been taken up entirely with the production end. The milk tester and I discovered a very pertinent problem in our D.H.I.A. Association through our D.H.I.A. records. We found that there was a definite correlation between the production and the size of the replacements that came into the herds. That is to say those dairymen who were growing out their heifers to a good size were getting a higher rate of production than those who were failing to grow out their heifers to

the proper size. We attack this problem in this way; we received permission of a few of the cooperative dairymen to go on their farms and take some pictures of the animals that illustrated our problem. With these pictures and charts made from the records, we presented the problem as we saw it at one of our meetings. The D.H.I.A. members realized from this presentation that it was a serious problem and ask us to take steps to correct the same. At our next meeting we invited Mr. Connelly in for a discussion on what the necessary feeding requirements were for properly growing out our herd replacements. Having gotten the specialist's ideas as to requirements, the S.C.S. technician and I selected one of the dairymen who was having trouble growing his replacements and made a detail study of his farm, which we brought back to the following meeting with specific recommendations as to how he could meet his feeding requirements. Thereby, a proper balance between the livestock numbers and the acreage of pasture and crop land was struck. This farm unit, of course, will be followed up for results.

There has been little participation in the Roanoke Milk Production Association other than that of marketing our products. The county agent has been consulted in reference to securing proper production cost figures for securing a better price for milk. Just recently the producers were granted a 40¢ per hundred raise for their grade A. milk.

Other activities have been working with the Botetourt Bull Association and doing educational work relative to an artificial breeding program. The agent has taken several of the dairymen to visit the artificial insemination center in Caloway and is trying to interest farmers in signing up cows to be bred artificially. Very little progress has been made.

The D.H.I.A. has also sponsored a 4-H Dairy contest for the 4-H Dairy Club members. This has been a great asset to the 4-H program. This will be discussed more fully in the 4-H narrative.

#### D. Livestock

The educational program along the lines of beef cattle this year have been spraying demonstrations for fly and lice control. Three such demonstrations were held in the spring with good attendance at each demonstration. News articles have been published, in reference to this program in following it up. Practically all the dairymen are using DDT in and about their barns as well as on the animals to control flies. Twenty beef herds have been sprayed with DDT.

The wool growers have sponsored a wool pool this year. Twenty growers in all participated. They also sponsored a carload of western lambs which were distributed among four growers. Through the Botetourt Wool Pool we arranged a cooperative dipping vat where approximately 200 ewes were dipped.

There has been very little work done relative to hogs except on diseases. The disease troubles have been cholera, worms, and mineral deficiencies. The agent has cooperated with one F.F. A. chapter in placing two of its purebred boars in the county. Those people who are large growers of hogs are using self-feeders and pasture. This has come about over past experience and educational work.

The agent has spent a great deal of time with dairymen and livestockmen in promoting a purebred livestock pavilion which is to be located at Hollins in this county. This has been a cooperative project between Roanoke and Botetourt Counties. The work has progressed to the point that we are now erecting the building. The agent believes that this will aid greatly in promoting sales of purebred livestock in the county and the proper feeding and selling of feeder calves. We also intend to use this building for surplus dairy cow sales and many other uses that will help to promote better agriculture.

#### E. Horticulture

##### 1. Apples and Peaches

Apples and peaches consumed a large portion of the agents time this year, having spent  $17\frac{1}{2}$  days on these in all. A good many of these days were spent in working with the peach growers in securing Bahamian labor to harvest their crop. This labor will be discussed more in detail in the Farm Labor portion of this report.

Two major steps accomplished with the fruit growers this year were to set up two major demonstrations, one on peaches in the Etzler Brothers orchard and one on apples in Layman Brothers orchard. The plots were established with the assistance of Prof. Teske, Horticulturist Specialist. The purposes of these demonstrations are to demonstrate the affect of the time and amounts of nitrogen supplied to the trees and various methods of pruning and possibly spraying demonstrations. We held two pruning demonstrations and attended monthly meetings with the Roanoke Fruit growers. The Botetourt Growers attended these meetings well. Prof. Teske met with the group each time and they discussed their problems with him in the agent's presence. We feel that these meetings are most helpful as they give

us an opportunity to take up the fruit growers problems, month by month. In addition each grower receives a spray card on both peaches and apples during spraying season. We furnish through this office the requested amounts of poison needed for poisoning mice in our orchards.

## 2. Small Fruits

Outside of securing spraying calendars on grape and raspberries and obtaining specialists' assistance on disease in strawberries, the agent had very little to do in connection with small fruits.

## 3. Vegetables

### a. Commercial Vegetables

Our main attention was given to commercial production of tomatoes since it is by far the largest truck crop in terms of acreage production in this county. Because of blight in the '46 season we had a county-wide meeting on this problem early in the winter. L. C. Beamer of Blacksburg discussed the problem in detail and assured the farmers that they could expect little if any blight in the '47 season. His predictions ran true to form. Since we only had one or two fields that were attacked by blight to any appreciable degree. However, the farmers put out very little acreage, less than one half of last year, because of the experience of the last season.

There is a small amount of truck farming, some under irrigation some without irrigation, all of which is retailed on the curb market in Roanoke.

### b. Home Gardens

By far the largest acreage of truck crops are in the form of the home garden. Practically every farm has a home garden and 96% or better of the homes in small towns of this county have home gardens. However, the agent has very few requests concerning home gardens as it is a customary habit of rural people here and while the gardens are far from being tops, they supply the family with the necessary vegetables for eating and canning.

## 4. Ornamentals

The acreage of cut flowers, particularly gladioli are on the increase in this county being planted at the rate of one fourth acre to 15 acres annually on contract basis. This seems to be developing into a very good cash crop. With several florists in Roanoke buying them and a good market for them on the curb market. The agent has been asked for assistance in spraying bag worm and euonymus scale on shrubs.

F. T.V.A. Demonstrations

A total of 26 unit demonstration farms have been established to date. Fourteen are now active. The Botetourt County farm was sold this year to a private owner who is not active as a demonstrator. In the fourteen farm units we are covering 3189.1 acres. Eight are receiving Triple Superphosphate and 6 Meta phosphate. This year we received 60,000 pounds of phosphate and covered 269.89 acres. All 15 demonstrators including the County farm turned in a record book for 1946. A total of 28 visits were made by the County Agent and eight by the Assistant agent.

We held one field meeting on one demonstrator's farm with 21 present. The number of annual meetings held this year is one and as far as I can ascertain 221 farmers visited demonstration farms during the year. I think we are being very conservative when we say that no less than 72 farms have adapted some of the better practices resulting from the demonstration farms.

It is difficult to continue to evaluate the increase in production and quality of the demonstration farms year after year. By this I mean to say that some of our farms are now in their third year of the 5 year period and are beautiful to behold. Just yesterday I was on Frank Wickline's farm with two specialists from Blacksburg, and while we stood on the lawn looking out across the farm, Leo Beamer commented on the high state of cultivation. Those who have finished the first 5 year period this year have definitely doubled their production with pastures, hays and corn. Another very definite sign of improvement is the quality and numbers of livestock. Bernard Maier at Speck has increased his livestock number by adding 20 ewes. He now has all purebred cows. As an additional asset to the farm Bernard has gone into the poultry business and utilizing a small portion of his small grain in finishing off broilers. Last year he received 52% of his gross income from broilers. George Anderson, at Oriskany, has increased the number of cattle by 65%. Sidney Saville decreased his crop acreage by 15%, thus adding 7 more acres to his permanent pasture. He is now carrying 15 more head of cattle and producing enough feed on a lot less acreage. Howard Loops has the key-note to the whole TVA program by saying and I quote, "Burtner, I didn't know that a plan would make so much difference until you introduced me to TVA. I had farmed for 10 years, spent as much or more money, and had scarcely accomplished anything. Yet in five years with a specific plan I have increased my production more than 75% per acre and have doubled my farm income, and war prices don't get all the credit, by a long ways."

#### G. Farm Labor

As mentioned previously the agent was active in securing 107 Bahamians for the peach harvest. Twenty of the laborers were kept over in private owned camps by two growers to harvest apples.

The Extension Division also sponsored in this county a one day Farm and Home Labor-Saving Show which was attended by 665 people. All who saw the show stated that it was a very well worth while exhibit and many requested blue prints and bulletins on the different labor saving devices. This show consisted of numerous labor saving devices, which save hours of labor, that can be made by some member of the farm family.

#### H. Agriculture Planning

In revising our County Board of Agriculture, meetings numbering 7, were held and many homes visited to acquaint those who would be immediately affected by it with the new plan. Each group that was connected with the Board of Agriculture as shown on Page three, had an opportunity to discuss the plan and become familiar with it.

Three meetings were held with other agencies in making plans for our agriculture fair. The P.M.A., S.C.S. and Extension held 3 meetings in planning demonstrations and tours. Five meetings were held with the 4-H County Council and Adult Advisory Committee in planning 4-H work. Twenty home visits and several telephone calls were made and 30 letters were written along planning lines.

#### I. Cooperatives

The agent has worked with the Lauderdale Farm Union in supplying them with advice through Dr. Ward, the Extension Specialist, in their endeavor to form a cooperative store.

The agent also cooperated with southern States in sponsoring a hybrid corn contest for 4-H boys. Seven boys participated in the contest.

The main cooperative work with the Roanoke Cooperative Milk Production Association was in their quarterly meetings and in their endeavor to obtain better prices for their milk and more uniform health inspection laws. The agent also worked with the farmers from Botetourt and other county agents in our endeavor to locate one of the diagnostic laboratories in this area. A sizable delegation went to the State Agriculture Committee hearing in Richmond. Botetourt was well represented at this hearing.

#### J. Forestry

News articles and 8 letters have been written on the subject of the proper care for farm forests. As a result of these articles we have had eight calls from farmers to have the District Forester cruise their timber prior to cutting. Through the S.C.S. this year we have gotten ten farmers to fence their woods that borders permanent pastures to prevent grazing by stock. The S.C.S. has also been able to secure a limited number of trees from the U.S. nurseries for reforestation. Another very important activity was the organizing of a volunteer fire fighting crew consisting of the older FFA and 4-H boys, under the supervision of the district forester, in fighting forest fires. The Agricultural Teachers have taken advantage of this work to prevent forest fires rather than making it necessary to having to fight fires. There has not been a major forest fire in the county this year.

#### K. Guidance to Veterans

The Extension's part in this program has been to advise veterans how they can get farm training, helping securing vocational teachers, and conducting three meetings during the year. Forty-four veterans are now taking training in agriculture under two veteran teachers and one agricultural teacher. The SCS has worked very closely with these boys in helping them to establish a sound farming program.

## VI. 4-H CLUB WORK

## A. 4-H Organization

There were 9 4-H clubs in Botetourt County last year with an enrollment of 290. This year the enrollment has increased to 367. All of the clubs have both boys and girls, 114 boys and 253 girls. Each club has seven officers, President, Vice-President, Secretary, Treasurer, Game Leader, Reporter, and Song Leader. The officers of the nine clubs make up the County Council. The County Council has the same seven officers as the local clubs. The Executive Committee of the County Council is composed of the seven officers. The County Council met three times this year. The first meeting was to make plans for the year's work. The second was for the purpose of discussing the 4-H department at the County Fair, 4-H contests, and the State Short Course. The third meeting was to plan Achievement Week. There is also an 4-H Adult Advisory committee composed of two men and two women. The Advisory Committee was very helpful in carrying out the 4-H work and met with the County Council on all occasions. The Committee also spent one day judging 4-H Achievement Week window displays. The farm agent spent 74 days in 4-H work and the Assistant Agent spent 116 days.

## B. Project Work

## 1. General

The 1946-47 enrollment showed 122 members of which 114 were boys and 8 girls. The boys took 136 projects completing 67, and seven of the eight girls completed their projects. From these projects a total profit of \$3129.07 was shown.

## 2. Dairy Heifer

There were 19 boys and 5 girls enrolled in the Dairy Heifer project this year, with 16 completing. The Dairy Club is one of the most active clubs we have. This project showed a profit of \$853.21 for the year. Nineteen of the animals were shown at the County Fair, and 12 were taken to Lynchburg to the Lynchburg Farm and Home Show, where they competed with 13 other counties. Nancy Wickline won first place for having the best fitted heifer in the show. Jerry Henderson had the Grand Champion Holstein. There were prizes won by these boys and girls at the two shows amounting to \$320.00.

There was another contest in the County sponsored by the D.H.I.A. which created a lot of interest among dairy club members. The prize for the winner of the contest was a purebred calf. The heifers were scored as to individual merit and the member was scored as to management and interest shown in the project. This contest was won by Nancy Wickline with Virginia Kinzie scoring a close second and two boys placing third and fourth.

### 3. Baby Beef

Eight members were enrolled in the Baby Beef project, five boys and three girls, with a total of 8 animals. All members showed and sold their animals at the Baby Beef show sponsored by Neuhoff at Salem, Va., receiving a total of \$2063.44 of which \$292.75 was profit. This project does not show the profit that it has in former years due to the high cost of both feed and animals. All eight members completed this project.

### 4. Breeding Pig

The Sears Roebuck Foundation Pig project helped to create interest among members in the breeding pig project. At the present time we have 7 gilts placed with Colonial Club boys. Thirteen boys started this project and seven completed with a total profit of \$337.21

### 5. Fat Lamb

Two boys enrolled in the Fat Lamb Project with 10 lambs. These lambs were shown at the County Fair and also at the Atlantic Rural Exposition in Richmond. Prizes amounting to \$38.00 were won by the two boys. A profit of \$31.87 was shown.

### 6. Beef Animals

We had 10 members enrolled in the beef animal project with five completing with a total of 10 animals. Charles Foster of the Colonial 4-H Club is doing an outstanding job with this project. He is working into a purebred Hereford herd. The total receipts from this project was \$1100.52 with a profit shown of \$228.64. Three of these animals were shown at the County Fair, and the prizes amounted to \$20.00.

### 7. Fat Pig

The Fat Pig project has 19 members enrolled with 9 completing the project and showing a profit of \$217.10. These pigs, in most cases, were raised for home use, the parents dictating the methods and feed used in feeding these animals. This makes it difficult for the boy to carry out his project work as it should be done. However, the county winner, Richard Gunter, used a self feeder and did an outstanding job. Richard netted \$14.00 each on two pigs valued at \$25.00.

8. Cow and Calf

Only one of the two members starting the cow and calf project completed it. The member not completing this project has moved from the county. Billy Austin completed and is building up a herd of Jersey cows. He shows a profit of \$28.50 plus \$10.00 in prizes won at the County Fair.

9. Dairy Calf

Two boys were enrolled in the dairy calf project, one completed his work. The other boy dropped this project during the year because he failed to secure a calf. The one completing showed a profit of \$28.50.

10. Rabbits

Thirteen boys enrolled in the rabbit project with seven boys completing. A profit of \$31.38 was shown. The younger 4-H members carry this project.

11. Poultry

Fifteen boys took poultry for their project this year. Five completed showing a profit of \$231.91. Here again most of the boys carried the poultry project for home use as in the case of the Fat Pig project.

12. Sow and Litter

The one member enrolled in this project moved from the county.

13. Corn Project

The corn project was carried by 11 members with four completions. Hybrid corn was planted by these members with yields on  $3 \frac{3}{4}$  acres of 228 bushels. A profit of \$451.33 was realized by the four who planted it.

14. Tomatoes

Two of the eight who enrolled in the tomato project completed it. A profit of \$161.45 was made on  $187 \frac{1}{2}$  bushels grown on  $1 \frac{1}{2}$  acres.

15. Garden

Thirteen enrolled in the garden project and five completed. Twelve different vegetables were grown for home use. These five members showed a profit of \$127.37.

16. Potatoes

Only one boy enrolled in this project and he completed it making a total profit of \$20.35.

17. Summary

A total of 109 members were enrolled in Livestock and Poultry projects, with 62 completing. Thirty-two were enrolled in field crops and gardens and 12 completed. The Dairy Club is by far the strongest project in the boys club work. This is due, we feel, to the interest shown by the parents and the Botetourt D.H.I.A.

C. Achievements

1. State Short Course

Four delegates, 2 boys and two girls were selected to attend the State Short Course at Blacksburg. These members attended the Short Course accompanied by Mr. J. G. Kinzie, a member of the 4-H Adult Advisory Committee. Curtis Simmons of the Buchanan Senior 4-H Club, and Ann Webb, of the Nace 4-H Club were made All-Stars. They all reported a very profitable and enjoyable week.

2. 4-H Camp

The 4-H Camp was held at Camp Bethel the week of August 4. This camp was operated jointly with Alleghany, Bath and Rockbridge Counties. There were 27 members from Botetourt attending, 17 girls and 10 boys. The campers were organized into four Indian Tribes, with a big chief and notch cutter heading the camp, and four lesser chiefs and scribes heading each tribe. Two classes were taught, one in handicraft and one in nature study.

3. Achievement Week

The County Council decided to have Achievement week, climaxed with Achievement Day at the end of the week. Each club displayed the outstanding work each club had accomplished during the year by putting up a booth in conspicuous places in their individual communities. In most communities store windows were used. The exhibits were judged by the Advisory Committee on neatness, quality of work, quantity of work and club work represented. A ribbon was given on Achievement Day to the Club having the highest score.

The Haymakertown club won. Achievement Day was held on Friday October 18 in the Buchanan High School Auditorium. This was attended by 150 members from the nine clubs. Reports of the year's work and stunts were given by each club, and awards were made to county winners. The members furnished food for lunch which they sold in order to raise funds for the County Council.

## VII. U.S.D.A. COUNCIL

Botetourt has an organized U.S.D.A. Council which has largely been replaced in function by the County Board of Agriculture. The reason being that in our plan we have attempted to keep our organizations limited and within one board rather than have so many different boards as were had during the war.

The Production Goals were channeled out through the Board of Agriculture. Therefore, there has not been a meeting of the U.S.D.A. Council as such, since all organizations that are entitled to membership in this organization are represented in the Board of Agriculture.

## VIII. COOPERATION WITH PRODUCTION AND MARKETING ADMINISTRATION

### A. Organization to Handle Educational Work

As has been brought out under pasture, hays, corn, the P.M.A., S.C.S. and Extension has functioned as a unit in handling educational work relating to the best use of lime and fertilizer and other means of earning the farm payment. Monthly meetings have been held in discussing the overall plan and checking up on progress from time to time. The agent made a strong drive to point out to farmers the importance of electing good committees. This year we took the county allotment and divided it among the eleven communities and charged these committeemen with the responsibility of seeing that their community allotment was used or to show evidence by September 1 that it was going to be used. The AAA clerk informs me that the allotments will be used and more can be used if the county could receive an additional allotment. We have 786 farmers participating this year in the program out of a possible 1024 farmers that we consider to be the size to practice in the program affectively.

### B. Individual Farmers Contacted

One of the more effective weapons used in educational lines with P.M.A. was the plan and developement of two farm programs showing the proper use of grant-of-add material. One farmer was selected in the Glen Wilton community, and the other in the Springwood area. The Community Committees selected these farmers. It was the duty of the SCS and Extension to visit these farms and develop a plan. These farms are being pointed out in their respected communities and are being observed by the farmers of these communities. We hope to get a few more such farms in other communities next year.

## IX. COOPERATING WITH CREDIT AND LOAN AGENCIES

The only work that the agent has done along these lines with the Farm Credit Administration this year of 1947 is to advise farmers of this source of credit and turned over three specific prospects to John Siebel to make supervised loans to. I have acted on the committee of the Emergency Feed and Seed Loan which has now been combined with the Farm and Home Administration. We have not had any such loans in the county this year to my knowledge. I had the privilege of attending the Production Credit Annual meeting.

## X. FARM HOME ADMINISTRATION

It was my privilege to attend the annual meeting of the Tenant Purchaser Farmers under the Farm Home Administration. At this meeting the agent outlined the agricultural situation and suggested improvements that might be made to make their farm operations more economical. The Farm Home Supervisor and I visited together four of the tenants and assisted them in mapping out a more complete and balanced farm operation.

## XI. NATURAL BRIDGE SOIL CONSERVATION DISTRICT

This year S.C.S. has completed 41 plans to date. The agent has directly been responsible for seven farmers accepting the services of S.C.S. and indirectly responsible for many more. Of all the agencies in the county, the S.C.S. and Extension work more closely together than any other agencies. There is an increased interest in S.C.S. work and more and more farmers, particularly veteran farm owners and young farmers, demanding S.C.S. services. The agent has spent several days with the soil technician in working out various problems of farm management.

## XII. EDUCATIONAL ACTIVITIES

While we have discussed the activities of the Agricultural Board all through the narrative I would like to say, in a way of summarizing, that each organization has been assigned a specific job which they seem best fitted to do. For example it was logical that the S.C.S. and P.M.A. be asked to cooperate along all agronomy lines. And by this same token the D.H.I.A. which is the backbone of any dairy work be asked to take the lead in sponsoring dairy activities. In addition to these means of reaching the rural people the agent has published 82 articles in the county paper, given four radio talks, and has kept all the county agricultural workers posted with the latest information as received through publications from experiment stations and extension.

The agent has attended a number of allied meetings such as the Annual Bank Conference at Natural Bridge, County-Wide Telephone meetings, Southern States Annual meeting, and American Fruit Growers Annual meeting.

This office has distributed 967 bulletins, has had 781 office calls and has made and received a total of 1352 telephone calls. In addition to the above the agent has made 534 farm visits in carrying on extension work. Twenty-five circular letters have gone out to homes in the county on pertinent subjects. In addition to these we have conducted one county tour for the FFA boys on farm management, one tour of boys and dads in connection with the Conservation District, and have conducted a group of farmers to the experiment station in Blacksburg and have made arrangements for another such tour. Directly or indirectly through one of the above means, every farm family of the county has been reached this year.

### XIII. EVALUATION OF YEAR'S WORK

The value of Extension in Botetourt County has increased year after year. The proof of this lies in the attitude of the people, and the improvement of the soil and livestock all of which has given a higher standard of living. Talking to Clyde Rieley who is one of the early County Agents in Botetourt back in the days when his office was his saddle and his filing cabinets were his saddle bags, I learned many interesting stories of how extension grew its first roots in the lives of the Botetourt people. No one ever ask him for help. He had to force his services on the people. Even as recent as ten years ago there was a motion made before the Board of Supervisors that Extension be abolished. Today those are but faint memories in the minds of a few citizens of this county. More and more people are calling at the County Agent's office asking for advice on all agriculture lines. While the number of office and telephone calls may not show an increase, we need to remind ourselves that during the past war years rationing and farm deferment brought numerous people into the office that otherwise would not have come. Their interest and zeal in new developments are warm and cordial. Whereas, in the past the ideas were hooted at as book learning. So much for the attitude of the people.

Tangible yardsticks can be used to evaluate the work. I stated previously in the "Corn" paragraph that all farmers are hybrid corn conscious now. Strip cropping for the conservation of soil and water is on the increase with more momentum annually. This is indicated by 41 farm plans secured by S.C.S. this year as compared

to 15 three years ago. The increased acreage in alfalfa is another tangible yard stick, as well as the fading of broom sage from our permanent pastures. The quality of 4-H projects and the increased enthusiasm both by youths and adults is proof that through education and intelligent planning we can "make the best better."

Yes from the big spring under the weeping willow to the modern bath tub upstairs, from the haystack on the hillside to the barn hay drier in the mow, from the pessimistic attitude to whole-hearted and sincere cooperation is the story of the worth of Extension in Botetourt County

11/19/47

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### COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

#### AGENT'S ANNUAL REPORT

U. S. Department of Agriculture  
and State Agricultural Colleges  
Cooperating

Extension Service  
Washington, D. C.

The annual report is an accounting to the taxpayer public of what the extension worker has accomplished during the year.

## COMBINED ANNUAL REPORT OF COUNTY EXTENSION WORKERS

The annual report affords the extension worker opportunity to place his activities and accomplishments before superior officers who form judgment as to which workers are deserving of promotion or best qualified to fill responsible positions when vacancies occur.

The inventory of the past year's efforts and accomplishments enables the extension worker to plan more effectively for the year ahead.

This report form is for use by county extension agents in making a combined statistical report on all extension work done in the county during the year. Agents resigning during the year should make out this report before quitting the service.

From four to six copies of the annual report should be made, depending upon the number required by the State. One copy for the county, one for the agent's files, one or more copies for the State Extension Service, and one copy for the Extension Service, U. S. Department of Agriculture. The report should be submitted to the State Extension Director.

State Virginia County Batavia

#### REPORT OF

Daisy Hewerton From Dec. 1, 1946 to Nov. 30, 1947  
(Name) Home Demonstration Agent.

R. C. Kuzge From Dec. 1, 1946 to Nov. 30, 1947  
Assistant Home Demonstration Agent.  
4-H Club Agent.

R. A. Burtner From Dec. 1, 1946 to Nov. 30, 1947  
Assistant County Agent in charge of Club Work.  
Agricultural Agent.

Assistant Agricultural Agent.



#### READ SUGGESTIONS, PAGES 2 AND 16

When two or more agents are employed in a county they should submit a single statistical report showing the combined activities and accomplishments of all county extension agents employed in the county during the year. Negro men and women agents should prepare a combined statistical report separate from that of the white agents.

Provision is made in the report form for each agent to report separately the teaching activities he or she conducts or participates in during the report year. County totals are the sum of the activities of all agents unless duplication exists when two or more agents engage in the same activity. For purposes of reporting, extension results or accomplishments are expressed in numbers of farmers or families assisted in making some improvement or definitely influenced to make a change. Such an improvement or change may be the outcome of any phase of the program for men, women, club members, 4-H Club boys and girls. Only the improvement or change taking place during the current year in the county should be included. Causes of type of information on the status of farm and home practices should not be included.

For use on the national level the statistical data on the year's extension activities and accomplishments should be submitted to the State Extension Director.

Approved: \_\_\_\_\_ Date: \_\_\_\_\_ State Extension Director.

## SUGGESTIONS RELATIVE TO THE PREPARATION OF THE COUNTY EXTENSION AGENT'S ANNUAL REPORT

Six good reasons may be listed as to why an extension worker should prepare a comprehensive annual report.

1. The annual report is an accounting to the taxpaying public of what the extension worker has accomplished during the year.
2. It is a record of the year's work put into shape for ready reference in later years by the extension worker himself, or by his successors.
3. The annual report affords the extension worker opportunity to place his activities and accomplishments before superior officers, who form judgment as to which workers are deserving of promotion or best qualified to fill responsible positions when vacancies occur.
4. The inventory of the past year's efforts and accomplishments enables the extension worker to plan more effectively for the coming year.
5. An accurate report of his work is a duty every scientific worker owes to the other members of his profession.
6. Annual reports are required by Federal law.

From four to six copies of the annual report should be made, depending upon the number required by the State office: One copy for the county officials, one copy for the agent's files, one or more copies for the State extension office, and one copy for the Extension Service, United States Department of Agriculture. The report to the Washington office should be sent through the State extension office.

### NARRATIVE SUMMARY

A separate narrative report is desired from the leader of each line of work, such as county agricultural agent, home demonstration agent, boys' and girls' club agent, and Negro agent. Where an assistant agent has been employed during a part or all of the year, the report of his or her work should be included with the report of the leader of that line of work. Where an agent in charge of a line of work has quit the service during the year, the information contained in his or her report should be incorporated in the annual report of the agent on duty at the close of the report year, and the latter report so marked.

The narrative report should summarize and interpret under appropriate subheadings the outstanding results accomplished in helping rural people to solve their current problems and to make adjustments to changing economic and social conditions.

A good narrative report should enable the reader to obtain a comprehensive picture of—

1. What was attempted—the program as outlined at the beginning of the year.
2. How the work was carried on—the teaching methods employed.
3. The cooperation obtained from other extension workers, rural people, commercial interests, and other public agencies.
4. Definite accomplishments, supported by objective evidence.
5. Significance of the year's progress and accomplishments in terms of better agriculture, better homemaking, improved boys and girls, better rural living, etc.
6. How next year's work can be strengthened and improved in light of the current year's experience.

The following suggestions are for those agents who wish to prepare a better annual report than the one submitted last year:

1. Read the definitions of extension terms on the last page of this schedule.
2. Read last year's annual report again, applying the criteria for a good annual report discussed above.
3. Prepare an outline with main headings and subheadings.
4. Go over the information and data assembled from various office sources.
5. Decide upon a few outstanding pieces of work to receive major emphasis.
6. Employ a newspaper style of writing, placing the more important information first.
7. Observe accepted principles of English composition.
8. Include only a few photographs, news articles, circular letters, or other exhibits to illustrate successful teaching methods. Do not make the annual report a scrapbook.

### STATISTICAL SUMMARY

Where two or more agents are employed in a county they should submit a single statistical report showing the combined activities and accomplishments of all county extension agents employed in the county during the year. Negro men and women agents should prepare a combined statistical report separate from that of the white agents.

Provision is made in the report form for each agent to report separately the teaching activities he or she conducts or participates in during the report year. County totals are the sum of the activities of all agents minus duplications where two or more agents engage in the same activity. For purposes of reporting, extension results or accomplishments are expressed in numbers of farmers or families assisted in making some improvement or definitely influenced to make a change. Such an improvement or change may be the outcome of any phase of the program for men, women, older rural youth, or 4-H Club boys and girls. Only the improvement or change taking place during the current year as the result of extension effort should be reported. Census type of information on the status of farm and home practices should not be included. For use on the national level the statistical data on the year's extension activities and accomplishments must be expressed in somewhat broad and general terms. Each State extension service may desire to include in a statistical supplement additional information on problems and activities peculiar to the State or sections of the State.

GENERAL ACTIVITIES

205

| Report only this year's activities that can be verified |   |                              |  | Home demonstration agents (a) | 4-H Club agents <sup>1</sup> (b) | Agricultural agents (c) | County total <sup>2</sup> (d) |
|---|---|------------------------------|--|-------------------------------|----------------------------------|-------------------------|-------------------------------|
| 1.  | Months of service this year (agents and assistants)   |                              |  | 12                            | 12                               | 12                      | XXXXXXXXXX                    |
| 2.  | Days devoted to work with adults <sup>3</sup>   |                              |  | 140                           | 10                               | 226                     | XXXXXXXXXX                    |
| 3.  | Days devoted to work with 4-H Clubs and older youth <sup>3</sup>  |                              |  | 101                           | 106                              | 74                      | XXXXXXXXXX                    |
| 4.  | Days in office <sup>4</sup>   |                              |  | 74                            | 40                               | 147 1/2                 | XXXXXXXXXX                    |
| 5.  | Days in field <sup>4</sup>  |                              |  | 167                           | 76                               | 152 1/2                 | XXXXXXXXXX                    |
| 6.  | Number of farm or home visits made in conducting extension work <sup>4</sup>  |                              |  | 257                           | 295                              | 534                     | 1086                          |
| 7.  | Number of different farms or homes visited  |                              |  | 104                           | 233                              | 178                     | 515                           |
| 8.  | Number of calls relating to extension work  | (1) Office                   |  | 151                           | 15                               | 781                     | 947                           |
|   |   | (2) Telephone                |  | 741                           | 60                               | 1352                    | 2153                          |
| 9.  | Number of news articles or stories published <sup>5</sup>   |                              |  | 16                            | -                                | 82                      | 98                            |
| 10.   | Number of bulletins distributed   |                              |  | 321                           | 250                              | 967                     | 1538                          |
| 11.   | Number of radio talks broadcast or prepared for broadcasting  | (a) Number                   |  | 5                             | -                                | 3                       | 5                             |
|   |   | Total attendance of:         |  |                               |                                  |                         |                               |
| 12.   | Training meetings held for local leaders or committeemen  | (1) Adult work               |  | -                             | -                                | -                       | -                             |
|   |   | (b) Men leaders              |  | -                             | -                                | -                       | -                             |
|   |   | (c) Women leaders            |  | 77                            | -                                | -                       | 77                            |
| 13.   | Method demonstration meetings held. (Do not include the method demonstrations given at leader training meetings reported under Question 12) | (2) 4-H Club and older youth |  | -                             | -                                | -                       | -                             |
|   |   | (b) Leaders                  |  | -                             | -                                | -                       | -                             |
|   |   | (a) Number                   |  | 108                           | -                                | 8                       | 116                           |
| 14.   | Number of adult result demonstrations conducted   | (b) Total attendance         |  | 1763                          | -                                | 802                     | 2565                          |
|   |   | (2) 4-H Club and older youth |  | 64                            | -                                | -                       | 64                            |
| 15.   | Meetings held at such result demonstrations   | (a) Number                   |  | 1424                          | -                                | -                       | 1424                          |
|   |   | (b) Total attendance         |  | -                             | -                                | -                       | -                             |
| 16.   | Tours conducted   | (1) Adult work               |  | 115                           | -                                | 3                       | 118                           |
|   |   | (b) Total attendance         |  | 59                            | -                                | 64                      | 123                           |
|   |   | (2) 4-H Club and older youth |  | -                             | 26                               | 259                     | 285                           |
| 17.   | Achievement days held   | (a) Number                   |  | 1                             | -                                | -                       | 1                             |
|   |   | (b) Total attendance         |  | 62                            | -                                | -                       | 62                            |
|   |   | (2) 4-H Club and older youth |  | 1                             | 1                                | 1                       | 1                             |
|   |   | (b) Total attendance         |  | 150                           | 150                              | 150                     | 150                           |

<sup>1</sup> Includes assistant county agent in charge of 4-H Club work or who devotes practically full time to club work.  
<sup>2</sup> County total should equal sum of preceding three columns minus duplications due to two or more agents participating in same activity or accomplishment.  
<sup>3</sup> The sum of questions 2 and 3 should equal the sum of questions 4 and 5.  
<sup>4</sup> Do not count a single visit to both the farm and home as two visits.  
<sup>5</sup> Do not count items relating to notices of meetings only.

## GENERAL ACTIVITIES—Continued

| Report only this year's activities that can be verified  |                              |                             | Home demonstration agents (a) | 4-H Club agents <sup>1</sup> (b) | Agricultural agents (c) | County total <sup>2</sup> (d) |
|--|------------------------------|-----------------------------|-------------------------------|----------------------------------|-------------------------|-------------------------------|
| 18. Encampments held (report attendance for your county only) <sup>3</sup>   | (1) Farm women               | (a) Number                  | -                             | -                                | -                       | -                             |
|  |                              | (b) Total members attending | -                             | -                                | -                       | -                             |
|  |                              | (c) Total others attending  | -                             | -                                | -                       | -                             |
|  | (2) 4-H Club and older youth | (a) Number                  | 1                             | 1                                | 1                       | 1                             |
|  |                              | (b) Total boys attending    | 10                            | 10                               | 10                      | 10                            |
|  |                              | (c) Total girls attending   | 17                            | 17                               | 17                      | 17                            |
|  |                              | (d) Total others attending  | 4                             | 4                                | 4                       | 4                             |
| 19. Other meetings of an extension nature participated in by county or State extension workers and not previously reported             | (1) Adult work               | (a) Number                  | 14                            | 2                                | 102                     | 138                           |
|  |                              | (b) Total attendance        | 1701                          | 50                               | 4581                    | 6337                          |
|  | (2) 4-H Club and older youth | (a) Number                  | -                             | 1                                | 35                      | 36                            |
|  |                              | (b) Total attendance        | -                             | 40                               | 446                     | 486                           |
| 20. Meetings held by local leaders or committeemen not participated in by county or State extension workers and not reported elsewhere | (1) Adult work               | (a) Number                  | 60                            | 2                                | -                       | 62                            |
|  |                              | (b) Total attendance        | 764                           | 16                               | -                       | 780                           |
|  | (2) 4-H Club and older youth | (a) Number                  | 18                            | -                                | 17                      | 35                            |
|  |                              | (b) Total attendance        | 355                           | -                                | 284                     | 639                           |

<sup>1</sup> Includes assistant county agent in charge of 4-H Club work or who devotes practically full time to club work.

<sup>2</sup> County total should equal sum of preceding three columns minus duplications due to two or more agents participating in same activity or accomplishment.

<sup>3</sup> Does not include picnics, rallies, and short courses, which should be reported under question 19.

## SUMMARY OF EXTENSION INFLUENCE THIS YEAR

It is highly desirable for extension workers to consider the proportion of farms and homes in the county that have been definitely influenced to make some substantial change in farm or home operations during the report year as a result of the extension work done with men, women, and youth. It is recognized that this information is very difficult for agents to report accurately, so a conservative estimate based upon such records, surveys, and other sources of information as are available will be satisfactory.

|   |           |
|---|-----------|
| 21. Total number of farms in county (1945 census)   | 1443      |
| 22. Number of farms on which changes in practices have definitely resulted from the agricultural program  | 800       |
| 23. Number of farms involved in preceding question which were reached this year for the first time  | 178       |
| 24. Number of nonfarm families making changes in practices as a result of the agricultural program  | 216       |
| 25. Number of farm homes in which changes in practices have definitely resulted from the home demonstration program                                   | 1526 1400 |
| 26. Number of farm homes involved in preceding question that were reached this year for the first time  | 284       |
| 27. Number of other homes in which changes in practices have definitely resulted from the home demonstration program                                  | 86        |
| 28. Number of other homes involved in preceding question that were reached this year for the first time   | 60        |
| 29. Number of farm homes with 4-H Club members enrolled   | 301       |
| 30. Number of other homes with 4-H Club members enrolled  | 53        |
| 31. Total number of different farm families influenced by some phase of the extension program. (Include questions 22, 25, and 29 minus duplications)  | 2500 1400 |
| 32. Total number of different other families influenced by some phase of the extension program. (Include questions 24, 27, and 30 minus duplications) | 456 200   |

GENERAL ACTIVITIES

16-28074-2



## CROP PRODUCTION (other than for family food supply)

70-29014-2

| Include all work with adults, 4-H Club members, and older youth           | Corn<br>(a) | Wheat<br>(b) | Other cereals<br>(c) | Legumes<br>(d) | Pastures<br>(e) | Cotton<br>(f) | Tobacco<br>(g) | Potatoes and other vegetables<br>(h) | Fruits<br>(i) | Other crops<br>(j) |
|---|-------------|--------------|----------------------|----------------|-----------------|---------------|----------------|--------------------------------------|---------------|--------------------|
| 51. Days devoted to line of work by—                                      |             |              |                      |                |                 |               |                |                                      |               |                    |
| (1) Home demonstration agents   | -           | -            | -                    | -              | -               | -             | -              | -                                    | -             | -                  |
| (2) 4-H Club agents   | 5           | -            | -                    | -              | -               | -             | -              | 7                                    | -             | -                  |
| (3) Agricultural agents   | 12 1/2      | 1 1/2        | 1 1/2                | 7              | 7 1/2           | -             | -              | 6                                    | 10 1/2        | 1                  |
| (4) State extension workers   | 1 1/2       | -            | -                    | 2              | 1               | -             | -              | 1                                    | 4             | 1                  |
| 52. Number of communities in which work was conducted this year           | 5           | 3            | 2                    | 11             | 11              | -             | -              | 11                                   | 11            | 3                  |
| 53. Number of voluntary local leaders or committeemen assisting this year | 12          | 1            | -                    | 3              | 2               | -             | -              | -                                    | 9             | -                  |
| 54. Number of farmers assisted this year in—                              |             |              |                      |                |                 |               |                |                                      |               |                    |
| (1) Obtaining improved varieties or strains of seed                       | 100         | 20           | 40                   | 50             | 25              | -             | -              | 15                                   | 25            | 10                 |
| (2) The use of lime   | 118         | 21           | 45                   | 109            | 40              | -             | -              | 25                                   | -             | -                  |
| (3) The use of fertilizers  | 118         | 21           | 40                   | 100            | 48              | -             | -              | 148                                  | 600           | 5                  |
| (4) Controlling plant diseases  | -           | 5            | 5                    | -              | -               | -             | -              | 75                                   | 600           | 4                  |
| (5) Controlling injurious insects   | 10          | 15           | -                    | 25             | -               | -             | -              | 85                                   | 600           | 6                  |
| (6) Controlling noxious weeds   | -           | -            | -                    | -              | 3               | -             | -              | -                                    | -             | -                  |
| (7) Controlling rodents and other animals                                 | 30          | 4            | -                    | -              | -               | -             | -              | -                                    | 400           | -                  |

## LIVESTOCK PRODUCTION (other than for family food supply)

| Include all work with adults, 4-H Club members, and older youth  | Dairy cattle<br>(a) | Beef cattle<br>(b) | Sheep<br>(c) | Swine<br>(d) | Horses and mules<br>(e) | Poultry (including turkeys)<br>(f) | Other livestock <sup>1</sup><br>(g) |
|--|---------------------|--------------------|--------------|--------------|-------------------------|------------------------------------|-------------------------------------|
| 55. Days devoted to line of work by—   |                     |                    |              |              |                         |                                    |                                     |
| (1) Home demonstration agents  | -                   | -                  | -            | -            | -                       | -                                  | -                                   |
| (2) 4-H Club agents  | 27                  | 8                  | 7            | 6            | -                       | 6                                  | -                                   |
| (3) Agricultural agents  | 46 1/2              | 17 1/2             | 12           | 3 1/2        | 1/2                     | 15 1/2                             | -                                   |
| (4) State extension workers  | 2                   | 3                  | 1            | -            | -                       | 1                                  | -                                   |
| 56. Number of communities in which work was conducted this year  | 11                  | 11                 | 11           | 6            | 2                       | 11                                 | -                                   |
| 57. Number of voluntary local leaders or committeemen assisting this year  | 13                  | 1                  | 3            | -            | -                       | -                                  | -                                   |
| 58. Number of breeding circles or clubs or improvement associations organized or assisted this year                                    | 2                   | 1                  | 1            | -            | -                       | -                                  | -                                   |
| 59. Number of members in such circles, clubs, or associations  | 50                  | 15                 | 25           | -            | -                       | -                                  | -                                   |
| 60. Number of farmers not in breeding circles or improvement associations assisted this year in keeping performance records of animals | 66                  | -                  | 4            | -            | -                       | -                                  | -                                   |
| 61. Number of farmers assisted this year in—   |                     |                    |              |              |                         |                                    |                                     |
| (1) Obtaining purebred males   | 15                  | 25                 | 9            | 5            | -                       | -                                  | -                                   |
| (2) Obtaining purebred or high-grade females   | 18                  | 30                 | 25           | 10           | -                       | -                                  | -                                   |
| (3) Obtaining better strains of baby chicks (including hatching eggs)  | XXXXX               | XXXXX              | XXXXX        | XXXXX        | XXXXX                   | 10                                 | XXXXX                               |
| (4) Improving methods of feeding   | 500                 | 205                | 82           | 28           | -                       | 60                                 | -                                   |
| (5) Controlling external parasites   | 600                 | 208                | 18           | 15           | -                       | 43                                 | -                                   |
| (6) Controlling diseases and internal parasites  | 346                 | 118                | 81           | 26           | -                       | 42                                 | -                                   |
| (7) Controlling predatory animals  | -                   | -                  | -            | -            | -                       | 15                                 | -                                   |

<sup>1</sup> Do not include rabbits, game, and fur animals, which should be reported under wildlife.

16-29074-8

18 CONSERVATION OF NATURAL RESOURCES

19

| Include all work with adults, 4-H Club members, and older youth           |                       |                 |                 |
|---|-----------------------|-----------------|-----------------|
|   | Soil and water<br>(a) | Forestry<br>(b) | Wildlife<br>(c) |
| 62. Days devoted to line of work by—                                      |                       |                 |                 |
| (1) Home demonstration agents   | -                     | -               | -               |
| (2) 4-H Club agents   | 10                    | -               | -               |
| (3) Agricultural agents   | 20 1/2                | -               | -               |
| (4) State extension workers   | -                     | -               | -               |
| 63. Number of communities in which work was conducted this year           | 11                    | -               | -               |
| 64. Number of voluntary local leaders or committeemen assisting this year | 2                     | -               | -               |

| Soil and Water—Continued   |     | Forestry—Continued   |  |
|--|-----|--|--|
| 65. Number of farmers assisted this year—  |     | 67. Number of farmers assisted this year—  |  |
| (a) With problems of land use  | 188 | (a) In reforesting new areas by planting with small trees. (Include erosion-control plantings) |  |
| (b) In the use of crop rotations   | 126 | (b) In making improved thinnings, weedings or pruning of forest trees                          |  |
| (c) With strip cropping  | 114 | (c) With selection cutting   |  |
| (d) In constructing terraces   | 2   | (d) With production of naval stores  |  |
| (e) In grassing waterways or otherwise preventing or controlling gullies                                       | 43  | (e) With production of maple-sirup products  |  |
| (f) With contour farming of cropland   | 156 | (f) In timber estimating and appraisal   |  |
| (g) In contouring pasture or range   | 56  | 68. Number of farmers cooperating this year in prevention of forest fires                      |  |
| (h) In the use of cover or green-manure crops  | 28  |  |  |
| (i) In otherwise controlling wind or water erosion   | 6   |  |  |
| (j) In summer-fallowing  | 2   |  |  |
| (k) In making depth-of-moisture tests  | 2   |  |  |
| (l) With drainage  | 3   |  |  |
| (m) With irrigation  | 6   |  |  |
| (n) With land clearing   | 2   |  |  |
| 66. Number of farmers  |     |  |  |
| (a) In soil-conservation districts which were assisted with education for organization or operations this year | -   |  |  |
| (b) Assisted in arranging for farm-conservation plans this year  | 82  |  |  |
| (c) Assisted in doing work based on definite farm-conservation plans this year                                 | 100 |  |  |

\* Include nature study.

19

15-58074-2

FARM MANAGEMENT

| Include all work with adults, 4-H Club members, and older youth           | Farm accounts, cost records, inventories, etc. | Individual farm planning, adjustments, <sup>1</sup> tenancy, and other management problems | Farm credit (short and long time) | Outlook information |
|---|--|--|-----------------------------------|---------------------|
|   | (a)  | (b)  | (c)                               | (d)                 |
| 70. Days devoted to line of work by—                                      |  |  |                                   |                     |
| (1) Home demonstration agents   | -  | -  | -                                 | -                   |
| (2) 4-H Club agents   | 83   | 1 1/2  | 1 1/2                             | -                   |
| (3) Agricultural agents   | -  | -  | -                                 | -                   |
| (4) State extension workers   | -  | -  | -                                 | -                   |
| 71. Number of communities in which work was conducted this year           | 2  | 11   | 2                                 | -                   |
| 72. Number of voluntary local leaders or committeemen assisting this year | -  | 1  | -                                 | -                   |
| 73. Number of farm-survey records taken during the year:                  |  |  |                                   |                     |
| (a) Farm business   | -  |  |                                   |                     |
| (b) Enterprise  | -  |  |                                   |                     |
| (c) Other   | -  |  |                                   |                     |
| 74. Number of farmers assisted this year in keeping—                      |  |  |                                   |                     |
| (a) Farm inventory  | 10   |  |                                   |                     |
| (b) General farm records  | 101  |  |                                   |                     |
| (c) Enterprise records  | 4  |  |                                   |                     |
| 75. Number of farmers assisted this year—                                 |  |  |                                   |                     |
| (a) In developing a farm plan only  | 56   |  |                                   |                     |
| (b) In developing a farm and home plan                                    | 16   |  |                                   |                     |
| (c) In analyzing the farm business  | 24   |  |                                   |                     |
| (d) In improving landlord-tenant relations and leasing arrangements       | 22   |  |                                   |                     |
| 75. Number of farmers assisted this year—Continued.                       |  |  |                                   |                     |
| (e) In getting started in farming, or in relocating                       |  |  |                                   | 31                  |
| (f) With credit problems (debt adjustment and financial plans)            |  |  |                                   | -                   |
| (g) In using "outlook" to make farm adjustments                           |  |  |                                   | -                   |
| (h) With a farm-income statement for tax purposes                         |  |  |                                   | 3                   |
| (i) With farm-labor problems  |  |  |                                   | 23                  |
| (j) In developing supplemental sources of income                          |  |  |                                   | 35                  |

GENERAL ECONOMIC PROBLEMS RELATED TO AGRICULTURE

| Include all work with adults, 4-H Club members, and older youth  | Price and trade policies (prices, international trade, interstate trade barriers, transportation, interregional competition, etc.) | Land policy and programs (classification of land, zoning, tenure, land development, settlement, public-land management, etc.) | Public finance and services (taxation, local government, facilities such as roads and schools for rural areas, etc.) | Rural welfare (rural-urban relationships, part-time farming, problems of people in low-income areas, migration, population adjustments, rural works programs, etc.) |
|--|--|---|--|---|
|  | (a)  | (b)   | (c)  | (d)   |
| 76. Days devoted to line of work by—   |  |   |  |   |
| (1) Home demonstration agents  | -  | -   | -  | -   |
| (2) 4-H Club agents  | -  | -   | -  | -   |
| (3) Agricultural agents  | -  | -   | -  | -   |
| (4) State extension workers  | -  | -   | -  | -   |
| 77. Number of communities in which work was conducted this year  | -  | -   | -  | -   |
| 78. Number of voluntary local leaders or committeemen assisting this year  | -  | -   | -  | -   |
| 79. Number of tours conducted this year to observe economic and social conditions in various land use areas  | -  | -   | -  | -   |
| 80. Number of local groups (town and county officials, school boards, tax collectors, assessors, etc.) assisted this year in discussing problems of local government, public finance, and farming conditions related to these problems | -  | -   | -  | -   |
| 81. Number of displaced families assisted this year in finding employment (agricultural and nonagricultural)   | -  | -   | -  | 6   |
| 82. Number of nonagricultural groups to which any of the above economic and social problems have been presented and discussed this year  | -  | -   | -  | 1   |

<sup>1</sup> Include all work on farm adjustments conducted in cooperation with AAA and other agencies, and not definitely related to individual crop or livestock production or marketing (pp. 6 and 9) or to soil management (p. 7).

## MARKETING AND DISTRIBUTION

| Include all work with adults, 4-H Club members, and older youth  | General   | Grain and hay | Livestock and wool <sup>1</sup> | Dairy products | Poultry and eggs | Fruits and vegetables | Cotton | Forest products | Tobacco, sugar, rice, and other commodities | Home products and crafts | Purchasing of farm and home supplies and equipment <sup>2</sup> |
|--|-----------|---------------|---------------------------------|----------------|------------------|-----------------------|--------|-----------------|---|--------------------------|---|
|  | (a)       | (b)           | (c)                             | (d)            | (e)              | (f)                   | (g)    | (h)             | (i)   | (j)                      | (k)   |
| 83. Days devoted to line of work by—   |           |               |                                 | 110            |                  |                       |        |                 |   |                          |   |
| (1) Home demonstration agents  | -         | -             | -                               | -              | -                | -                     | -      | -               | -   | -                        | -   |
| (2) 4-H Club agents  | -         | -             | -                               | -              | -                | -                     | -      | -               | -   | -                        | -   |
| (3) Agricultural agents  | 2         | -             | 12 1/2                          | -              | -                | -                     | -      | -               | -   | -                        | -   |
| (4) State extension workers  | -         | -             | -                               | -              | -                | -                     | -      | -               | -   | -                        | -   |
| 84. Number of communities in which work was conducted this year  | 3         | -             | 11                              | -              | -                | -                     | -      | -               | -   | -                        | -   |
| 85. Number of voluntary local leaders or committeemen assisting this year  | 1         | -             | 14                              | -              | -                | -                     | -      | -               | -   | -                        | -   |
| 86. Number of new cooperatives <sup>2</sup> assisted in organizing during the year   | -         | -             | -                               | -              | -                | -                     | -      | -               | -   | -                        | -   |
| 87. Number of established cooperatives <sup>2</sup> assisted during the year   | 1         | -             | -                               | -              | -                | -                     | -      | -               | -   | -                        | -   |
| 88. Number of members <sup>2</sup> in the cooperatives assisted during the year (questions 86 and 87)  | -         | -             | 21                              | -              | -                | -                     | -      | -               | -   | -                        | -   |
| 89. Value of products sold or purchased by cooperatives assisted during the year (questions 86 and 87) <sup>2</sup>  | \$2500.00 | \$ -          | \$2090.20                       | \$ -           | \$ -             | \$ -                  | \$ -   | \$ -            | \$ -  | \$ -                     | \$ -  |
| 90. Number of farmers or families (not members of cooperatives) assisted during the year   | 13        | -             | 110                             | -              | -                | -                     | -      | -               | -   | -                        | -   |
| 91. Value of products sold or purchased by farmers or families involved in the preceding question  | \$2000.00 | \$ -          | \$10000.00                      | \$ -           | \$ -             | \$ -                  | \$ -   | \$ -            | \$ -  | \$ -                     | \$ -  |
| 92. Number of private marketing and distributing agencies and trade groups assisted this year  |           |               |                                 |                |                  |                       |        |                 |   |                          | 14  |
| 93. Number of programs <sup>2</sup> pertaining to marketing agreements, orders, surplus removal or Lend-Lease purchases assisted in or conducted this year |           |               |                                 |                |                  |                       |        |                 |   |                          | 1   |
| 94. Number of marketing facilities improvement programs <sup>2</sup> participated in or conducted this year  |           |               |                                 |                |                  |                       |        |                 |   |                          | 1   |
| 95. Number of marketing surveys assisted with or conducted this year   |           |               |                                 |                |                  |                       |        |                 |   |                          | 1   |
| 96. Number of special merchandising programs <sup>2</sup> participated in or conducted this year   |           |               |                                 |                |                  |                       |        |                 |   |                          | 1   |
| 97. Number of consumer information programs <sup>2</sup> pertaining to marketing and distribution participated in or conducted this year                   |           |               |                                 |                |                  |                       |        |                 |   |                          | 2   |
| 98. Number of programs <sup>2</sup> relating to marketing services and costs of distribution conducted this year   |           |               |                                 |                |                  |                       |        |                 |   |                          | -   |
| 99. Number of programs <sup>2</sup> relating to transportation problems conducted this year  |           |               |                                 |                |                  |                       |        |                 |   |                          | -   |
| 100. Number of programs <sup>2</sup> relating to the specific use of market information conducted this year  |           |               |                                 |                |                  |                       |        |                 |   |                          | -   |
| 101. Number of other marketing programs <sup>2</sup> conducted this year (specify)   |           |               |                                 |                |                  |                       |        |                 |   |                          | -   |

<sup>1</sup> Include livestock, poultry, and hatching eggs purchased for breeding, replacement, or feeding purposes.

<sup>2</sup> Where a cooperative association serves more than one county, include only the membership and proportionate volume of business originating in the county covered by this report.

<sup>3</sup> Organized pieces of work.

16-98074-1

U.S. DEPARTMENT OF AGRICULTURE  
 Bureau of Agricultural Economics  
 Agricultural Statistics Administration  
 UNITED STATES GOVERNMENT

**HOUSING, FARMSTEAD IMPROVEMENT, AND EQUIPMENT**

|   |  | The house, furnishings, and surroundings<br>(a) | Rural electrification<br>(b) | Farm buildings<br>(c) | Farm mechanical equipment<br>(d) |
|---|--|---|------------------------------|-----------------------|----------------------------------|
| 101   | Days devoted to line of work by—   |   |                              |                       |                                  |
| 102   | (1) Home demonstration agents  | 105   | 1                            | -                     | -                                |
|   | (2) 4-H Club agents  | -   | -                            | -                     | -                                |
|   | (3) Agricultural agents  | -   | 1                            | 1                     | -                                |
|   | (4) State extension workers  | 1   | 1                            | 142                   | -                                |
| 103   | Number of communities in which work was conducted this year  | 11  | 4                            | 3                     | -                                |
| 104   | Number of voluntary local leaders or committeemen assisting this year                                    | 169   | 2                            | -                     | -                                |
| <b>The House, Furnishings, and Surroundings—Continued</b> |  |   |                              |                       |                                  |
| 105   | Number of families assisted this year in—  | 13  |                              |                       |                                  |
|   | (a) Constructing dwellings   | 5   |                              |                       |                                  |
|   | (b) Remodeling dwellings   | 200   |                              |                       |                                  |
|   | (c) Installing sewage systems  | -   |                              |                       |                                  |
|   | (d) Installing water systems   | -   |                              |                       |                                  |
|   | (e) Installing heating systems   | 3   |                              |                       |                                  |
|   | (f) Providing needed storage space   | 999   |                              |                       |                                  |
|   | (g) Rearranging or improving kitchens  | 60  |                              |                       |                                  |
|   | (h) Improving arrangement of rooms (other than kitchens)   | 100   |                              |                       |                                  |
|   | (i) Improving methods of repairing, remodeling, or refinishing furniture or furnishings                  | 323   |                              |                       |                                  |
|   | (j) Selecting housefurnishings or equipment (other than electric)  | 1,263   |                              |                       |                                  |
|   | (k) Improving housekeeping methods   | 11,900  |                              |                       |                                  |
|   | (l) Laundry arrangement  | -   |                              |                       |                                  |
|   | (m) Installing sanitary closets or outhouses   | -   |                              |                       |                                  |
|   | (n) Screening or using other recommended methods of controlling flies or other insects                   | 215   |                              |                       |                                  |
|   | (o) Improving home grounds   | -   |                              |                       |                                  |
|   | (p) Planting windbreaks or shelterbelts  | -   |                              |                       |                                  |
| <b>Rural Electrification—Continued</b>                    |  |   |                              |                       |                                  |
| 106   | Number of associations organized or assisted this year to obtain electricity                             |   |                              |                       | -                                |
| 107   | Number of families assisted this year in—  |   |                              |                       |                                  |
|   | (a) Obtaining electricity  |   |                              |                       | -                                |
|   | (b) Selection or use of electric lights or home electrical equipment                                     |   |                              |                       | 52                               |
|   | (c) Using electricity for income-producing purposes  |   |                              |                       | 3                                |
| <b>Farm Buildings—Continued</b>                           |  |   |                              |                       |                                  |
| 108   | Number of farmers assisted this year in—   |   |                              |                       |                                  |
|   | (a) The construction of farm buildings   |   |                              |                       | 7                                |
|   | (b) Remodeling or repairing farm buildings   |   |                              |                       | 5                                |
|   | (c) Selection or construction of farm-building equipment   |   |                              |                       | 3                                |
| <b>Farm Mechanical Equipment—Continued</b>                |  |   |                              |                       |                                  |
| 109   | Number of farmers assisted this year in—   |   |                              |                       |                                  |
|   | (a) The selection of mechanical equipment  |   |                              |                       | 56                               |
|   | (b) Making more efficient use of mechanical equipment  |   |                              |                       | 650                              |
| 110   | Number of farmers following instructions in the maintenance and repair of mechanical equipment this year |   |                              |                       | -                                |
| 111   | Number of gin stands assisted this year in the better ginning of cotton                                  |   |                              |                       | -                                |

NUTRITION AND HEALTH

74-23017-9

| Include all work with adults, 4-H Club members and older youth  |     | Home production of family food supply (a) | Food preservation and storage (b) | Food selection and preparation (c) | Other health and safety work (d) |
|---|-----|---|-----------------------------------|------------------------------------|----------------------------------|
| 112. Days devoted to line of work by:   |     |   |                                   |                                    |                                  |
| 130' (1) Home demonstration agents  | 120 | 1 1/2                                     | 6                                 | 12                                 | -                                |
| (2) 4-H Club agents   |     | -   | -                                 | -                                  | -                                |
| 132' (3) Agricultural agents  | 110 | -   | -                                 | -                                  | -                                |
| (4) State extension workers   |     | 1   | -                                 | 1                                  | -                                |
| 113. Number of communities in which work was conducted this year  |     | 11  | 11                                | 11                                 | -                                |
| 114. Number of voluntary local leaders or committeemen assisting this year  |     | 17  | 8                                 | 41                                 | -                                |
| 115. Number of families assisted this year--  |     | 115(g) FOOD PRESERVATION BY ADULTS        |                                   |                                    |                                  |
| (a) In improving diets  | 275 |   |                                   |                                    |                                  |
| (b) With food preparation   | 93  |   |                                   |                                    |                                  |
| (c) In improving food supply by making changes in home food production <sup>1</sup> :                               |     |   |                                   |                                    |                                  |
| (1) Of vegetables   | 250 |   |                                   |                                    |                                  |
| (2) Of fruits   | -   |   |                                   |                                    |                                  |
| (3) Of meats  | -   |   |                                   |                                    |                                  |
| (4) Of milk   | -   |   |                                   |                                    |                                  |
| (5) Of poultry and eggs   | -   |   |                                   |                                    |                                  |
| (d) With home butchering, meat cutting or curing  | -   |   |                                   |                                    |                                  |
| (e) With butter or cheese making  | 7   |   |                                   |                                    |                                  |
| 135' (f) With food preservation problems <sup>2</sup> :   |     |   |                                   |                                    |                                  |
| (1) Canning   | 214 |   |                                   |                                    |                                  |
| (2) Freezing  | 51  |   |                                   |                                    |                                  |
| (3) Drying  | -   |   |                                   |                                    |                                  |
| (4) Storing   | -   |   |                                   |                                    |                                  |
| (g) In producing and preserving home food supply according to annual food-supply budget                             | 243 |   |                                   |                                    |                                  |
| 131' (h) In canning according to a budget   | 247 |   |                                   |                                    |                                  |
| (k) With child-feeding problems   | -   |   |                                   |                                    |                                  |
| (l) In the prevention of colds and other common diseases  | -   |   |                                   |                                    |                                  |
| 110' (m) With positive preventive measures to improve health (immunization for typhoid, diphtheris, smallpox, etc.) | -   |   |                                   |                                    |                                  |
| (n) With first-aid or home nursing  | -   |   |                                   |                                    |                                  |
| (o) In removing fire and accident hazards   | -   |   |                                   |                                    |                                  |
| 116. Number of schools assisted this year in establishing or maintaining hot school lunches                         |     |   |                                   |                                    | 1                                |
| 117. Number of nutrition or health clinics organized this year through the efforts of extension workers             |     |   |                                   |                                    | 1                                |

| 115(g) FOOD PRESERVATION BY ADULTS                               |            |                |                    |
|--|------------|----------------|--------------------|
|  | Fruits (a) | Vegetables (b) | Meats and fish (c) |
| 1. Quarts canned   | 14,870     | 54,864         | 5321               |
| 2. Gallons brined  | -          | -              | -                  |
| 3. Pounds: Dried <sup>3</sup>                                    | -          | -              | -                  |
| 4. Cured <sup>3</sup>  | -          | -              | -                  |
| 5. Stored  | 1366       | 980            | 126,788            |
| 6. Frozen <sup>4</sup>   | 690        | 240            | 4,000              |
| 7. Number of different families represented by the above figures | 376        |                |                    |

| 115(h) FOOD PRESERVATION BY 4-H CLUB MEMBERS |            |                |                    |
|--|------------|----------------|--------------------|
|  | Fruits (a) | Vegetables (b) | Meats and fish (c) |
| 1. Quarts canned                             | -          | -              | -                  |
| 2. Gallons brined                            | -          | -              | -                  |
| 3. Pounds: Dried <sup>3</sup>                | -          | -              | -                  |
| 4. Cured <sup>3</sup>                        | -          | -              | -                  |
| 5. Stored                                    | -          | -              | -                  |
| 6. Frozen <sup>4</sup>                       | -          | -              | -                  |

<sup>1</sup> Sum of the subitems minus duplications due to families participating in more than one activity.  
<sup>2</sup> Weight of finished product after drying.  
<sup>3</sup> Weight of product before curing.  
<sup>4</sup> Include contents of locker plants and home freezer units.  
<sup>5</sup> Do not include vine-matured peas and beans.

## CLOTHING, FAMILY ECONOMICS, PARENT EDUCATION, AND COMMUNITY LIFE

| Include all work with adults, 4-H Club members, and older youth   |                                    | Home management—<br>family economics<br>(a)   | Clothing and textiles<br>(b) | Family relationships—child<br>development<br>(c) | Recreation and<br>community life<br>(d) |
|---|------------------------------------|---|------------------------------|--|---|
| 118. Days devoted to<br>line of work by—  | (1) Home demonstration agents..... | 12 1/2  | 14                           | -  | 36                                      |
|   | (2) 4-H Club agents.....           | -   | -                            | -  | -                                       |
|   | (3) Agricultural agents.....       | -   | -                            | -  | -                                       |
|   | (4) State extension workers.....   | -   | -                            | -  | -                                       |
| 119. Number of communities in which work was conducted this year.....   |                                    | 11  | 11                           | -  | 11                                      |
| 120. Number of voluntary local leaders or committeemen assisting this year.....   |                                    | 10  | 5                            | -  | -                                       |
| <b>Home Management—Family Economics—Continued</b>   |                                    | <b>Clothing and Textiles—Continued</b>  |                              |  |   |
| 121. Number of families assisted this year—   |                                    | 127. Number of families assisted this year with—  |                              |  |   |
| (a) With time-management problems.....  | 420                                | (a) Clothing-construction problems.....   |                              | 125  |   |
| (b) With home accounts.....   | -                                  | (b) The selection of clothing and textiles.....   |                              | 50   |   |
| (c) With financial planning.....  | -                                  | (c) Care, renovation, remodeling of clothing.....   |                              | 359  |   |
| (d) In improving use of credit for family<br>living expenses.....   | -                                  | (d) Clothing accounts or budgets.....   |                              | -  |   |
| (e) In developing home industries as a<br>means of supplementing income.....  | -                                  | <b>Family Relationships—Child Development—Continued</b>   |                              |  |   |
| 122. Number of home demonstration clubs, other con-<br>sumer associations or groups assisted this year with<br>cooperative buying of—                                   |                                    | 128. Number of families assisted this year—   |                              |  |   |
| (a) Food.....   | -                                  | (a) With child-development and guidance<br>problems.....  |                              | -  |   |
| (b) Clothing.....   | -                                  | (b) In improving family relationships.....  |                              | -  |   |
| (c) Housefurnishings and equipment.....   | -                                  | 129. Number of families providing recommended cloth-<br>ing, furnishings, and play equipment for children<br>this year.....                       |                              | -  |   |
| (d) General household supplies.....   | 14                                 | 130. Number of different individuals participating this<br>year in child-development and parent-education<br>programs: (a) Men.....               |                              | -  |   |
| 123. Number of families assisted this year through coop-<br>erative associations <sup>2</sup> or individually, with the<br>buying of—                                   |                                    | (b) Women.....  |                              | -  |   |
| (a) Food.....   | 50                                 | 131. Number of children in families represented by such<br>individuals.....   |                              | -  |   |
| (b) Clothing.....   | 125                                | <b>Recreation and Community Life—Continued</b>  |                              |  |   |
| (c) Housefurnishings and equipment.....   | 45                                 | 132. Number of families assisted this year in improving<br>home recreation.....   |                              | 2707   |   |
| (d) General household supplies.....   | 250                                | 133. Number of communities assisted this year in improv-<br>ing community recreational facilities.....  |                              | 50   |   |
| 124. Total number of different families assisted this year<br>with consumer-buying problems (includes ques-<br>tion 123 (a), (b), (c), and (d) minus duplications)..... | 300                                | 134. Number of community groups assisted this year<br>with organizational problems, programs of activi-<br>ties, or meeting programs.....         |                              | 23   |   |
| 125. Number of families assisted this year with "making<br>versus buying" decisions.....  | 210                                | 135. Number of communities (a) Club or community house<br>assisted this year in (b) Permanent camp<br>establishing— (c) Community rest rooms..... |                              | -  |   |
| 126. Number of families assisted this year in using timely<br>economic information to make buying decisions or<br>other adjustments in family living.....               | 650                                | 136. Number of communities assisted this year in provid-<br>ing library facilities.....   |                              | 16   |   |
| NOTE.—Individual families and groups assisted with selling problems should<br>be reported in column (f), page 9.  |                                    | 137. Number of school or other community grounds im-<br>proved this year according to recommendations.....  |                              | 5  |   |

<sup>1</sup> The house—its arrangement, equipment, and furnishings, including kitchen improvements and care of the house—is reported under "The house, furnishings and surroundings," p. 10.  
<sup>2</sup> Includes question 122; also families buying through marketing cooperatives, organized or assisted, column (b), p. 9.

**SUMMARY OF 4-H CLUB BOYS' AND GIRLS' PROJECTS**

(One club member may engage in two or more projects. The sum of the projects is therefore greater than the number of different club members enrolled)

| Project  | Number of boys enrolled (a) | Number of girls enrolled (b) | Number of boys completing (c) | Number of girls completing (d) | Number of units involved in completed projects (e) |                    |
|--|-----------------------------|------------------------------|-------------------------------|--------------------------------|--|--------------------|
| 138. Corn  | 11                          | -                            | 4                             | -                              | 3 3/4  | Acres              |
| 139. Other cereals   | -                           | -                            | -                             | -                              | -  | Acres              |
| 140. Peanuts   | -                           | -                            | -                             | -                              | -  | Acres              |
| 141. Soybeans, field peas, alfalfa, and other legumes          | -                           | -                            | -                             | -                              | -  | Acres              |
| 142. Soil and water conservation                               | -                           | -                            | -                             | -                              | -  | Acres              |
| 143. Potatoes, Irish and sweet                                 | 1                           | -                            | 1                             | -                              | 1/2  | Acres              |
| 144. Cotton  | -                           | -                            | -                             | -                              | -  | Acres              |
| 145. Tobacco   | -                           | -                            | -                             | -                              | -  | Acres              |
| 146. Fruits  | -                           | -                            | -                             | -                              | -  | Acres              |
| 147. Home gardens  | 13                          | -                            | 5                             | -                              | 2 1/8  | Acres              |
| 148. Market gardens, truck and canning crops                   | 8                           | -                            | 2                             | -                              | 1 1/4  | Acres              |
| 149. Other crops (including pasture improvement)               | -                           | -                            | -                             | -                              | -  | Acres              |
| 150. Poultry (including turkeys)                               | 15                          | -                            | 5                             | -                              | 336  | Birds              |
| 151. Dairy cattle  | 25                          | 5                            | 15                            | 4                              | 23   | Animals            |
| 152. Beef cattle   | 15                          | 3                            | 10                            | 3                              | 15   | Animals            |
| 153. Sheep   | 2                           | -                            | 2                             | -                              | 10   | Animals            |
| 154. Swine   | 33                          | -                            | 16                            | -                              | 27   | Animals            |
| 155. Horses and mules  | -                           | -                            | -                             | -                              | -  | Animals            |
| 155a. Rabbits  | 13                          | -                            | 7                             | -                              | 57   | Animals            |
| 156. Other livestock   | -                           | -                            | -                             | -                              | -  | Animals            |
| 157. Bees  | -                           | -                            | -                             | -                              | -  | Colonies           |
| 158. Beautification of home grounds                            | -                           | -                            | -                             | -                              | X X X X X X X X X X X X X X X X                    |                    |
| 159. Forestry  | -                           | -                            | -                             | -                              | -  | Acres              |
| 160. Wildlife and nature study (game and fur animals)          | -                           | -                            | -                             | -                              | X X X X X X X X X X X X X X X X                    |                    |
| 161. Agricultural engineering, farm shop, electricity, tractor | -                           | -                            | -                             | -                              | -  | Articles made      |
| 162. Farm management   | -                           | -                            | -                             | -                              | -  | Articles repaired  |
| 163. Food selection, preparation, and/or baking                | -                           | 7                            | -                             | 3                              | 25   | Meals planned      |
| 164. Food preservation. (Include frozen foods)                 | -                           | -                            | -                             | -                              | 15   | Meals served       |
| 165. Health, home nursing, and first aid                       | -                           | -                            | -                             | -                              | -  | Quarts preserved   |
| 165a. Child care   | -                           | -                            | -                             | -                              | X X X X X X X X X X X X X X X X                    |                    |
| 166. Clothing  | -                           | 80                           | -                             | 55                             | 95   | Garments made      |
|  |                             |                              |                               |                                | 63   | Garments remodeled |
| 167. Home management (housekeeping)                            | -                           | 162                          | -                             | 129                            | 129  | Units              |
| 168. Home furnishings and room improvement                     | -                           | -                            | -                             | -                              | -  | Rooms              |
| 169. Home industry, arts and crafts                            | -                           | -                            | -                             | -                              | -  | Articles           |
| 170. Junior leadership   | -                           | -                            | -                             | -                              | X X X X X X X X X X X X X X X X                    |                    |
| 171. All others  | -                           | -                            | -                             | -                              | X X X X X X X X X X X X X X X X                    |                    |
| 172. Total (project enrollment and completion)                 | 136                         | 257                          | 67                            | 194                            | X X X X X X X X X X X X X X X X                    |                    |

113. Title of project (to be filled in by project leader)

114. Title of project

**4-H CLUB MEMBERSHIP**

173. Number of 4-H Clubs..... **9**

174. Number of different 4-H Club members enrolled..... (a) Boys **114** (b) Girls **253**

175. Number of different 4-H Club members completing..... (a) Boys **67** (b) Girls **194**

176. Number of different 4-H Club members in school..... (a) Boys **114** (b) Girls **252**

177. Number of different 4-H Club members out of school..... (a) Boys **-** (b) Girls **1**

178. Number of different 4-H Club members from farm homes..... (a) Boys **101** (b) Girls **211**

179. Number of different 4-H Club members from nonfarm homes..... (a) Boys **13** (b) Girls **42**

**Number of Different 4-H Club Members Enrolled:**

| 180. By years | Boys and Girls |     | 181. By ages | Boys and Girls |     |
|---------------|----------------|-----|--------------|----------------|-----|
|               | (a)            | (b) |              | (a)            | (b) |
| 1st year      | 56             | 124 | 10 and under | 22             | 62  |
| 2d year       | 25             | 87  | 11           | 25             | 49  |
| 3d year       | 20             | 28  | 12           | 18             | 57  |
| 4th year      | 11             | 11  | 13           | 28             | 42  |
| 5th year      | 1              | 2   | 14           | 12             | 29  |
| 6th year      | 1              | 1   | 15           | 7              | 8   |
| 7th year      |                |     | 16           | 2              | 3   |
| 8th year      |                |     | 17           |                | 2   |
| 9th year      |                |     | 18           |                | 1   |
| 10th and over |                |     | 19           |                |     |
|               |                |     | 20 and over  |                |     |

182. Number of different 4-H Club members, including those in corresponding projects, who received definite training in—

(a) Judging..... **50** (f) Fire and accident prevention..... **-**

(b) Giving demonstrations..... **366** (g) Wildlife conservation..... **-**

(c) Recreational leadership..... **115** (h) Keeping personal accounts..... **366**

(d) Music appreciation..... **-** (i) Use of economic information..... **-**

(e) Health..... **366** (j) Soil and water conservation..... **-**

(k) Forestry..... **-**

183. Number of 4-H Club members having health examination because of participation in the extension program..... **-**

184. Number of 4-H Clubs engaging in community activities such as improving school grounds and conducting local fairs..... **9**

**WORK WITH OLDER RURAL YOUTH**

185. Number of groups (other than 4-H Club) organized for conduct of extension work with older rural youth..... **2**

186. Membership in such groups..... (a) Young men..... **2**  
(b) Young women..... **2**

| 187. Number of members by school status and age | In school (a) | Out of school |             | Under 21 years (d) | 21-24 years (e) | 25 years and older (f) |
|---|---------------|---------------|-------------|--------------------|-----------------|------------------------|
|   |               | Unmarried (b) | Married (c) |                    |                 |                        |
| (1) Young men                                   | -             | -             | -           | -                  | -               | -                      |
| (2) Young women                                 | -             | 3             | -           | -                  | -               | -                      |

188. Number of meetings of older rural youth extension groups..... **2**

189. Total attendance at such meetings..... **10**

190. Number of other older rural youth groups assisted..... **10**

191. Membership in such groups..... (a) Young men..... **10**  
(b) Young women..... **10**

192. Number of older rural youth not in extension or other youth groups assisted..... (a) Young men..... **10**  
(b) Young women..... **10**

193. Total number of different young people contacted through the extension program for older rural youth. (Questions 186, 191, and 192, minus duplications)..... (a) Young men..... **10**  
(b) Young women..... **10**

| 194. Check column showing approximate portion of older youth program devoted to— | Under 10 percent (a)                                 | 10-19 percent (b) | 20-39 percent (c) | 40 percent or more (d) |
|--|--|-------------------|-------------------|------------------------|
|  | (1) Citizenship, democracy, and public problems..... | -                 | -                 | -                      |
| (2) Vocational guidance.....   | -  | -                 | -                 | -                      |
| (3) Family life and social customs.....  | -  | -                 | -                 | -                      |
| (4) Social and recreational activities.....                                      | -  | -                 | -                 | -                      |
| (5) Community service activities.....  | -  | -                 | -                 | -                      |
| (6) Technical agriculture.....   | -  | -                 | -                 | -                      |
| (7) Technical home economics, including nutrition and health.....                | -  | -                 | -                 | -                      |

1 All data in this section are based on the number of different boys and girls participating in 4-H Club work, not on the number of 4-H projects carried.

2 Report the total number of different boys or girls enrolled in club work. This total should equal the sum of the project enrollments reported on page 13, minus duplications due to the same boy or girl carrying on two or more subject-matter lines of work. Do not include boys and girls enrolled late in the year in connection with the succeeding year's program.

3 Same as footnote 2, except that reference is to completions instead of enrollments.

MISCELLANEOUS

(Report here all work, including war work, not properly included under any of the headings on preceding pages)

| Include all work w. h adults, 4-H Club members, and older youth            | Bees (d) | General-feder insects <sup>1</sup> (b) | All other work (c) |
|--|----------|--|--------------------|
| 195. Days devoted to line of work by—                                      |          |  |                    |
| (1) Home demonstration agents  | -        | -                                      | -                  |
| (2) 4-H Club agents  | -        | -                                      | -                  |
| (3) Agricultural agents  | -        | -                                      | 12 1/2             |
| (4) State extension workers  | -        | -                                      | 5 1/2              |
| 196. Number of communities in which work was conducted this year           | -        | -                                      | 6                  |
| 197. Number of voluntary local leaders or committeemen assisting this year | -        | -                                      | 17                 |

SUMMARY OF CONTRIBUTION TO WAR EFFORT

It is desirable to bring together in one place the sum total of extension contribution to the several broad areas of war effort. It is assumed that all such work has been reported previously under appropriate headings.

| War programs  | Home demonstration agents (d) | 4-H Club agents (b) | Agricultural agents (c) |
|---|-------------------------------|---------------------|-------------------------|
| 198. Estimated number of days devoted to—   |                               |                     |                         |
| (1) Food supplies and critical war materials (production, marketing, processing, storage, distribution, and related problems) | -                             | -                   | -                       |
| (2) Problems arising from new military camps, munitions plants, and war industries  | -                             | -                   | -                       |
| (3) Civilian defense (such as fire prevention, Red Cross training, air-raid warnings)   | -                             | -                   | -                       |
| (4) Other war work (including collection of salvage material)   | 7                             | -                   | -                       |

COOPERATION WITH OTHER FEDERAL AGENCIES

The purpose of this report is to bring together in one place the cooperation given other Federal agencies working with the rural people of the county. It is assumed that all such work has been reported previously under appropriate problems of the farm or home.

|  | Assistance to Veterans (a) | U. S. D. A. Councils (b) | Farm Credit Administration (c) | Employment Service (d) | Production and Marketing Administration (e) | Soil Conservation Service (f) | Farmers Home Administration (g) | Rural Electrification Administration (h) | Tennessee Valley Authority (i) | Social Security, Public Health, Children's Bureau (j) | Other Agencies (k) |
|--|----------------------------|--------------------------|--------------------------------|------------------------|---|-------------------------------|---------------------------------|--|--------------------------------|---|--------------------|
| 199. Days devoted to line of work by—                                      |                            |                          |                                |                        |   |                               |                                 |  |                                |   |                    |
| (1) Home demonstration agents  | -                          | -                        | -                              | -                      | -   | -                             | -                               | -  | -                              | -   | -                  |
| (2) 4-H Club agents  | -                          | -                        | -                              | -                      | -   | -                             | -                               | -  | -                              | -   | -                  |
| (3) Agricultural agents  | -                          | -                        | -                              | -                      | 5   | 10 1/2                        | 1                               | -  | 7 1/2                          | -   | -                  |
| (4) State extension workers  | -                          | -                        | -                              | -                      | -   | -                             | -                               | 1  | -                              | -   | -                  |
| 200. Number of communities in which work was conducted this year           | -                          | -                        | -                              | -                      | -   | 4                             | 6                               | -  | 11                             | -   | -                  |
| 201. Number of voluntary local leaders or committeemen assisting this year | -                          | -                        | -                              | -                      | -   | -                             | -                               | -  | -                              | -   | -                  |
| 202. Number of meetings participated in this year by extension workers     | -                          | -                        | -                              | -                      | 10  | 2                             | 1                               | -  | -                              | -   | -                  |

<sup>1</sup> Include grasshoppers, armyworms, chinch bugs, and other insects not reported under specific crop or livestock headings.

JEEWIS STOCK

## TERMINOLOGY

If extension reports are to convey the intended information, it is important that the terminology employed be that generally accepted by members of the extension teaching profession everywhere. Precise use of extension terms is an obligation each extension worker owes to the other members of his or her profession. The following definitions have been approved by the United States Department of Agriculture and by the Association of Land-Grant Colleges and Universities.

### DEFINITIONS OF EXTENSION TERMS

1. A *community* is a more or less well-defined group of rural people with common interests and problems. Such a group may include those within a township, trade area, or similar limits. For the purpose of this report, a community is one of the several units into which a county is divided for conducting organized extension work.
2. A *cooperator* is a farmer or homemaker who agrees to adopt certain recommended practices upon the solicitation of an extension worker. The work is not directly supervised by the extension agent, and records are not required, but reports of the success of the practices may be obtained.
3. *Days in field* should include all days spent on official duty other than "days in office."
4. *Days in office* should include time spent by the county extension agent in the office, at annual and other extension conferences, and on any other work directly related to office administration.
5. *Demonstrations* as contemplated in this report are of two kinds—method demonstrations and result demonstrations.  
A *method demonstration* is a demonstration given by an extension worker or other trained leader for the purpose of showing how to carry out a practice. Examples: Demonstrations of how to can fruits and vegetables, mix spray materials, and cull poultry.  
A *result demonstration* is a demonstration conducted by a farmer, homemaker, boy, or girl under the direct supervision of the extension worker, to show locally the value of a recommended practice. Such a demonstration involves a substantial period of time and records of results and comparisons, and is designed to teach others in addition to the person conducting the demonstration. Examples: Demonstrating that the application of fertilizer to cotton will result in more profitable yields, that underweight of certain children can be corrected through proper diet, that the use of certified seed in growing potatoes is a good investment, or that a large farm business results in a more efficient use of labor.  
The adoption of a farm or home practice resulting from a demonstration or other teaching activity employed by the extension worker as a means of teaching is not in itself a demonstration.
6. A *demonstration meeting* is a meeting held to give a method demonstration or to start, inspect, or further a result demonstration.
7. A *result demonstrator* is an adult, a boy, or a girl who conducts a result demonstration as defined above.
8. An *extension school* is a school usually of 2 to 6 days' duration, arranged by the Extension Service, where practical instruction is given to persons not resident at the college.
9. An *extension short course* differs from an extension school in that it is usually held at the college or another educational institution and usually for a longer period of time.
10. A *farm or home visit* is a call by the agent at a farm or home at which some definite information relating to extension work is given or obtained.
11. *Farmers (or families) assisted this year* should include those directly or indirectly influenced by extension work to make some change during the report year as indicated by:
  - (1) Adoption of a recommended practice.
  - (2) Further improvement in a practice previously accepted.
  - (3) Participation in extension activities.
  - (4) Acceptance of leadership responsibility.
  - (5) Or by other evidence of desirable change in behavior.
12. A *4-H Club* is an organized group of boys and/or girls with the objectives of demonstrating improved practices in agriculture or home economics, and of providing desirable training for the members.
13. *4-H Club members enrolled* are those boys and girls who actually start the work outlined for the year.
14. *4-H Club members completing* are those boys and girls who satisfactorily finish the work outlined for the year.
15. A *project leader, local leader, or committeeman* is a person who, because of special interest and fitness, is selected to serve as a leader in advancing some phase of the local extension program. A project leader may be either an organization or a subject-matter leader.
16. A *leader-training meeting* is a meeting at which project leaders, local leaders, or committeemen are trained to carry on extension activities in their respective communities.
17. *Letters* written should include all original letters on official business. (Duplicated letters should not be included.)
18. An *office call* is a call in person by an individual or a group seeking agricultural or home-economics information, as a result of which some definite assistance or information is given. A telephone call differs from an office call in that the assistance or information is given or received by means of the telephone. Telephone calls may be either incoming or outgoing.
19. A *plan of work* is a definite outline of procedure for carrying out the different phases of the program. Such a plan provides specifically for the means to be used and the methods of using them. It also shows what, how much, when, and where the work is to be done.
20. An *extension program* is a statement of the specific projects to be undertaken by the extension agents during a year or a period of years.
21. *Records* consist of definite information on file in the county office that will enable the agent to verify the data on extension work included in this report.
22. The *older rural youth group* is primarily a situation group, out of school, at home on farms, not married or started farming on their own account, and mostly 16 to 25 years of age.