

- NOVEMBER - 1. Conduct an educational program on timber marketing.
2. Conduct an educational program on poultry production.
3. Conduct an educational program on recommended winter care of farm machinery, and on farm buildings.

- DECEMBER - 1. Conduct a 4-H Club educational safety program.
2. Conduct outlook information program for farmers.
3. Have meeting of County Extension Forestry Committee to judge forestry posters and review work of committee during the year.

ready for Fall Feeder Calf Sale.

4. Conduct an educational program for producing feeder pigs.
5. Set up an educational Fair Program and make preparation for exhibits.
6. Encourage 4-H Club Members to attend 4-H Club Camp.
7. Encourage 4-H Club Members to participate in fishing contest sponsored by local 4-H Club Adult Leaders.

- AUGUST -
1. Conduct an educational program on the value of supplementary pasture and set up two demonstrations.
 2. Conduct an educational program on value of parasite control in all animals.
 3. Encourage alfalfa production if a control for alfalfa weevil can be used.

- SEPTEMBER -
1. Continue an educational program on culling livestock and selecting calves for feeder calf sale.
 2. Conduct a cattle grading demonstration.
 3. Conduct an educational program on egg quality.
 4. Encourage all citizens to participate in Tri-County Agricultural Fair.

- OCTOBER -
1. Conduct educational program on how to best harvest, store and market corn.
 2. Conduct an educational program on safety in operation of corn pickers.
 3. Have a meeting of County Forestry Committee to discuss County Forestry Program.
 4. Conduct an educational program on winter feeding of livestock.
 5. Work with producers of hogs and beef cattle in the field of marketing.

and docked lambs.

4. Conduct an educational program on economic corn production.
5. Distribute sun-flower seed and seed for wildlife plantings to 4-H Club Members.
6. Work closely with 4-H Club Members in Judging Contests and those participating in Livestock Show and Sale.

MAY - 1. Have an educational meeting of the County Extension Dairy Committee.

2. Follow up educational program on corn production.
3. Conduct educational program on soybeans and grain sorghum production.
4. Conduct an educational program on how to produce quality hay.

JUNE - 1. Conduct an educational program on grain harvesting, storage and marketing.

2. Set up a 4-H Club Camp Program.
3. Conduct an educational program on cattle culling.
4. Conduct an educational program on tobacco production and sucker control.
5. Conduct an educational program on silage making.

JULY - 1. Conduct an educational program on grain harvesting, storage and marketing.

2. Make preparation for agricultural educational exhibits at Tri-County Fair.
3. Conduct an educational program on getting calves

3. Encourage all prospective buyers of bulls to attend the B. C. I. A. sponsored sale in Culpeper.
4. Establish three forestry demonstrations.
5. Encourage timely pasture fertilizer applications.
6. To have an educational program on mastitis prevention for milk producers.
7. To encourage 4-H Club Members to participate in Forestry Contest sponsored by the County Forestry Committee.
8. To begin to encourage members of 4-H Club Judging Teams to begin practice for the District Judging Contest.

MARCH - 1. Follow up forestry program with the specialist of V. P. I. Extension Service and representatives of the State Forest Service.

2. Encourage farmers to participate in Easter Lamb Sale.
3. Conduct an educational program on marketing calves through the Spring Feeder Calf Sale.
4. Work with County Representatives on the Area Poultry Committee.

- APRIL - 1. Make cooperative arrangement between sheep shearer and sheep farmers for sheep shearing.
2. Inspect calves for Spring Feeder Calf Sale.
 3. Encourage marketing early, quality castrated

Forestry Committee.

12. To continue the Sears Sponsored Project in the county.

D. Educational Activities

1. Use to the fullest extent, the press, radio, T. V., letters, personal contacts, organizations, to give all club members timely information in relation to their projects and to keep their parents and the public in general informed concerning 4-H Club activities.
2. Members of the State 4-H Club Department will be requested to assist the agent, council, and leaders with the planning of all 4-H Club Programs from time to time throughout the year.

CALENDAR OF WORK FOR THE YEAR, 1960

- JANUARY - 1. Encourage feeders to consider special fat cattle sales to market their heifers and steers.
2. Encourage all farmers to consider feeder pig sales as an excellent medium to market their pigs.
 3. Encourage all farmers having alfalfa to use heptachlor in fertilizer and use high potash analysis.
 4. Have meeting of County Forestry Committee to further encourage the participation in the County Forestry Extension Program.
 5. Encourage tobacco producers to consider recommended practices for growing healthy, disease-free tobacco plants.
- FEBRUARY - 1. Encourage members of the Feeder Calf Association to attend their annual meeting.
2. Encourage prospective buyers of Hereford bulls to attend the Capital Bull Sale in Winchester.

4. Visit every first-year member and as many of the older members as possible to give individual project instructions and to discuss the program fully with parents.
5. To work closely with the 4-H Club Council in determining policies that will be used in cooperation with the thinking of leaders and agents to develop a well-planned program for the county.
6. To maintain some contact with club members during the summer and to conduct field days for certain projects in which club members shall visit other boys with the same project.
7. To secure a sponsor for an out-of-school 4-H Club.
8. To sell the 4-H Program to the businessmen in the county so that they will want to take part in the 4-H activities by contributing funds and merchandise to be used for awards in various project fields.
9. Devote more emphasis at club meetings and with personal contacts to the importance of completing 4-H projects.
10. To increase the number of Junior Leaders and to teach them how to help fellow members in keeping records. Local leaders will be encouraged to increase the number of completions in their club.
11. To stress the importance of forestry in the county and to enroll more 4-H Club Members in forestry projects and to help members receive trees for planting. 4-H Club Members will be encouraged to enter the one-acre forestry improvement contest sponsored by the County

B. Objectives

1. To enter the following 4-H Judging Teams in the District Contest:
 - A. Livestock Judging Team
 - B. Dairy Judging Team
 - C. Poultry Judging Team
2. To enter the following demonstrations in District Contest:
 - A. Forestry Demonstration
3. To have three 4-H Club boys to enter market hogs in the Junior Livestock Show and four to enter and show steers.
4. To cooperate with the County Fair and set up a 4-H Club display booth.
5. To increase the number of 4-H Club Project completions in the county to 85 per cent.
6. To work more closely with 4-H Club Adult Leaders and be certain that they feel that they have an active interest and responsibility in the County 4-H Club Program.

C. Methods

1. The importance of 4-H Club Work will be continually discussed with leaders, parents and teachers.
2. More increased **emphasis** will be placed on developing the individual boy and girl as to leadership by encouraging them to take part in discussions during their meetings so that they will understand more fully the freedom of speech and how democracy works.
3. To encourage all possible members to take advantage of 4-H Club Contests, the 4-H Camping Program, tours and the privilege of exhibiting at the county fair.

educational program for farmers producing milk.

2. To work with all farmers in the field of marketing whether it be feeder calves, timber, eggs or dairy replacements.

D. Educational Activities

1. The importance of marketing and farm management will continue to be an important part of the educational Extension Program. Good marketing will receive much emphasis through personal contacts and all other means available.
2. The County Extension Program will include those phases which will tend to improve marketing conditions for all commodities produced by the farmers in this county.
3. The County Extension Program will be aligned with the program suggested by the Commodity Committees. In the case of beef cattle and hog production and dairying, marketing will continue to be one of the most important phases of the program.

4-H CLUB WORK

A. Situation

1. Approximately 425 boys and girls are eligible for 4-H Club work. Of this number, 362 are now enrolled in the 4-H Club Program. 4-H Club Judging Activities have increased the average tenure of members in 4-H Club Work. This has been one contributing factor. Interest by leaders is increasing. Interest and support by parents is increasing.

attention from year to year. Many farmers now believe that they must do a good job of producing, buying and selling to make a net profit farming. The field of farm management is giving increased importance to the field of marketing.

B. Objectives.

1. To get 10 new farmers to begin selling manufactured milk to the new milk market now available. The new milk market is considered as having one of the best market outlets of any company operating in this area.
2. To get all Grade A dairymen to use the services of the Artificial Breeding Program in 1960.
3. To encourage at least three farmers to begin raising good, well-bred Holstein heifers to sell to farmers producing milk. There is an opportunity in this field.
5. To get at least 10 additional farmers to sell feeder calves in the Feeder Calf Sales.
6. To work with all farmers in the field of marketing whatever their commodity is that they have for sale to do a better job.
7. To get at least 25 farmers producing pigs for regularly-scheduled feeder pig sales.

C. Methods

1. To cooperate to the fullest extent with fieldmen of dairy companies, artificial breeding inseminators and D. H. I. A. supervisor in promoting an

demand are concerned.

2. To encourage and suggest to all potential buyers of baby chicks the many advantages of ordering only certified Virginia-produced baby chicks.
3. Have a Poultry and Egg 4-H Judging Team. Local poultrymen, leaders and farmers will participate in the training of these teams.
4. Cooperation with local hatcheries will be practiced.
5. Cooperation with new egg quality program to provide quality eggs for local markets.

D. Educational Activities

1. All farmers will be given information from time to time as the opportunity presents itself on poultry farming, with relation to opportunities for markets and contract production.
2. Timely publicity will be given this program through newspapers, letters, radio, personal contacts and other agricultural workers.
3. Success of the Poultry 4-H Club Project will be publicized from time to time.
4. Success stories of successful poultrymen will be publicized.
5. Excellent cooperation will be practiced between feed companies, hatcheries and the Extension Agent.

VI. MARKETING

A. Situation

The field of marketing is receiving more and more

management practices in the field of forestry during 1960.

V. POULTRY

A. Situation

With over 400 farmers in the county having farms containing 49 acres or less, it is believed that poultry could fit in well with the farming system especially on these small farms. There are many vacant poultry houses in the county. Due to contracts being offered by large feed companies in the poultry business, several new houses have been constructed in the last two years. There is a sizeable increase in broiler production in the county. Broiler prices as in the past fluctuate from time to time. It now appears that only the larger producers who are producing broilers on a commercial scale are staying in the business.

B. Objectives

1. To encourage farmers particularly those who find themselves located on small farms to give consideration to including poultry production in their farming operations.
2. To encourage every prospective buyer of baby chicks to buy Virginia-produced certified baby chicks.
3. To set up a 4-H Club Poultry Project in cooperation with the Sears 4-H Club Poultry Program. This program will be handled by local leaders.

C. Methods

1. To inform all farmers of the opportunities available as far as contracts and markets and supply and

4. Demonstrations already established to change undesirable hardwoods to a stand of pine will be discussed at every opportunity with interested woodland owners.
5. Sawmill operators will be encouraged to give more consideration to selective cutting and leaving seed trees.
6. All known sellers of timber will be encouraged to consider inviting State Forest Service representatives to advise with them.

D. Educational Activities

1. Two demonstrations using girdling to kill undesirable species.
2. Two demonstrations using one-acre plots for forestry management improvement.
3. One demonstration using spot planting in cut-over areas.
4. Two demonstrations using chemicals to poison hardwood stumps to prevent sprouting and replanting. These demonstrations will be conducted by representatives of other agencies in cooperation with the Extension Agent.
5. A forestry field day is planned for 1960. Forest Service technicians will be used in every way at every opportunity to encourage farmers and leaders and organizations to consider their woodland as another crop.
6. The program planned by the Extension County Forestry Committee will be carried out insofar as possible in 1960. Much progress has been made by the program set up by this committee each year.
7. Approximately 75 people will change their attitudes and

fire lanes in large tracts of woodland.

7. Farmers will be given the best information available on the redhead pine sawfly situation and control. Farmers will be given the best information available and will be encouraged to cooperate with the State Forest Service in planning better use of woodland.
8. Two demonstrations will be established using recommended practices in killing undesirable hardwoods and planting with pine.
9. To organize a county forestry club.
10. To conduct two demonstrations using recommended chemicals to kill hardwood stumps following hardwood pulpwood harvesting and replanting.
11. To have twenty-five youngsters participate in the one-acre forestry improvement contest.

C. Methods

1. The very active County Extension Forestry Committee determines in the main the forestry program for the county setting forth both short and long-time goals. This Forestry Committee will carry the forestry program to Ruritan Clubs, Farm Bureau and other organizations throughout the county.
2. The County Extension Forestry Committee will again sponsor the 1960 Forestry Poster Contest through all schools in the county.
3. The educational program in connection with the Plant-More-Trees Program will be continued.

This would prevent hundreds of acres from growing into scrub hardwood which would yield no income for fifty to a hundred years.

There is a great increase in interest in the field of forestry. Many small landowners are beginning to plant trees. The Extension Forestry Committee is the most active Extension Commodity Committee functioning. This committee sponsors a poster contest which resulted in the County Elementary School winning third place in the state. This committee also is sponsoring a one-acre forestry contest for boys of two age groups. Pulpwood companies own large acreages in the county.

B. Objectives

1. The program of the Goochland County Extension Forestry Committee will receive much attention in conducting a progressive educational program in the field of forestry in the county in 1960.
2. To encourage at least 200 students to participate in the Annual Forestry Poster Contest.
3. To encourage woodland owners to plant 1,000,000 pine seedlings in the 1960 planting season.
4. One demonstration will be conducted of ten acres using bulldozers to clear burnt over scrubby hardwood land and this land be planted to pine.
5. To conduct through the 4-H Clubs and through leaders an educational program on forest fires prevention.
6. To work in cooperation with large woodland owners, pulpwood companies and fire departments and A. S. C. Agency to establish

D. Educational Activities

1. A meeting of the County Extension Dairy Committee will be held to determine short-time and long-time goals for dairying in the county.
2. The program set up by the County Dairy Committee will be followed in cooperation with other interested people.
3. Testimonies of farmers feeding silage as to cost and increased milk production will be furnished dairymen at every opportunity.
4. Demonstrations using recommended methods of fly control will be visited by other dairymen in the county.
5. An educational program will be conducted for all producers of milk - both the producers of manufactured milk and Grade A milk during 1960.

IV. FORESTRY

A. Situation

68 per cent of the total area of the county is in woodland. Much of this area has been cut over. Very little of the county's saw timber is left of desirable species. Because of high prices, woodland is being stripped of pulpwood. Pulpwood dealers have orders for hardwood pulpwood at intervals. Sawmill men have begun to cut hardwood since there is very little pine left to cut. The County Extension Agent has recommended to the County A. S. C. Committee, Virginia State Forest representatives and the Extension Forestry Department that a practice be considered which would result in the recommended chemical being applied to stumps of hardwoods after pulpwood or saw timber has been cut and this area replanted.

4. The dairy program will concern itself with trying to carry out the suggestions and plans set forth by the County Extension Dairy Committee. All dairy farmers will be encouraged to practice year-round culling.
5. All milk producers will be furnished the most recent information based on research findings as to how to best feed a cow for economic milk production.
6. An aggressive mastitis prevention program will be conducted for all milk producers during the year of 1960.

C. Methods

1. All milk producers will be given educational information on the importance of including silage and alfalfa in their feeding program.
2. All milk producers will be given all available educational information on the economic importance of long grazing seasons and how the grazing season on their farm can be lengthened.
3. The County Extension Agricultural Agent along with the County Extension Dairy Committee will work in close cooperation with fieldmen representing dairy companies, Artificial Breeding Inseminators, and D. H. I. A. Supervisors. Also Representatives of feed companies, local and state veterinarians in conducting a progressive educational program for milk producers.
4. All milk producers will be given educational information on the importance of mastitis prevention several times during the year, 1960.

D. Educational Activities

III. DAIRYING

A. Situation

A different company is now furnishing the market for manufactured milk. Prices have recently increased. The marketing outlet for this company seems to be excellent. Producers of Grade C are very much concerned and disappointed due to the fact that the company who formerly bought their milk notified them that their equity certificates issued to the producers by the company were of no value because the company had lost millions of dollars during the last four years. All of our producers lost several hundred dollars each because of this action. There is increased participation in the free Bangs Testing Program and vaccination program for heifers 4-8 months of age. Credit is readily extended to farmers going into the milk producing business. Bulk tanks have now been installed in every Grade A dairy in the county and dairymen are aware that only high-producing cows can now make money in the dairy business. Producers of manufactured milk realize that their program to make net profit must be based on good pasture and good hay.

B. Objectives

1. Three demonstrations using supplementary pasture crops for both late summer and winter grazing will be established.
2. Interested farmers will be given information on markets available for the sale of milk.
3. Artificial Insemination Service will be made available to all communities.

keting pigs through feeder pig sales with a goal of 25 farmers participating each two months.

C. Methods

1. All educational information available based on research findings that relate to problems of general livestock production will be disseminated to all farmers and these practices encouraged on every farm.
2. A farm tour will be conducted of the three pig parlors now in operation to demonstrate the use of several recommended practices.
3. All beef cattle farmers will be encouraged to produce calves eligible for feeder calf sales.
4. Farmers will be encouraged to attend livestock schools which are held and conducted by specialist from V. P. I. Extension Service.
5. All educational information based on research findings with assistance of specialists from V. P. I. Extension Service as to the economic possibilities of the production of livestock and as to sanitation, parasite control and disease prevention will be furnished producers.

D. Educational Activities

Publicity of all phases of economic production of all classes of livestock will be made possible through special interest groups, commodity committees, available marketing organizations, newspapers, letters, meetings, films, slides, demonstrations and personal contacts. Success stories will be brought to the attention of all livestock producers.

9. Management of herds and flocks seems to need most attention.
10. There is an increased interest in farmers purchasing bulls that are in herds in the B. C. I. A. Program.
11. Livestock producers are showing more interest in the livestock show and judging program of the 4-H Clubs.
12. Approximately 50 per cent of the county's livestock population has been tested for Bangs.

B. Objectives

1. To encourage one additional beef cattle producer to participate in the B. C. I. A. Program.
2. To encourage two farmers to conduct late lamb feeding demonstrations.
3. To encourage ten additional farmers to consider marketing calves through the feeder calf sales.
4. To promote an educational program which will bring about earlier lambing and calving on many livestock farms.
5. The Goochland County Extension Livestock Committee plans to work more closely with the Angus and Hereford Livestock Show at the Tri-County Fair in 1960.
6. To conduct an educational program on the advantages of using purebred sires, boars and rams on all livestock farms.
7. To conduct an educational program on the value of pasture in the production of hogs.
8. To disseminate to livestock producers through a well-balanced educational program the economic importance of beef cattle, sheep and hogs.
9. To conduct an educational program on the advantages of mar-

- farm meetings, on radio programs and have the demonstrator discuss his demonstration if possible.
5. Timely publicity will be given the demonstration by press, letters, personal contacts, television and radio. This publicity will be carried on during and at the end of the demonstration, and outstanding results will be again publicized at planting time for the next year's crop.
 6. All opportunities available will be used extensively to demonstrate the need for improved practices based on research information and the relation of the importance of these practices to increased net farm income.
 7. The educational activities in the field of agronomy will be so planned and carried out as to reach at least 90 per cent of all farmers engaged in farming so as to change the practices of at least 25 per cent of the farmers.

II. GENERAL LIVESTOCK

A. Situation

1. Beef cattle prices have begun to drop.
2. Sheep numbers are increasing.
3. Hog numbers are increasing on commercial hog farms but decreasing on other farms.
4. Interest in special calf and yearling sales is increasing.
5. Interest in feeder pig sales is increasing.
6. Interest in special fat cattle sales is increasing.
7. Increase in late lambs being fed on the farm instead of sold as light lambs.
8. There is a renewed interest in farmers purchasing better herd sires.

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demonstrations.

3. Demonstrators will be selected by Soils and Crops Committee.
4. Location of demonstrations will receive much attention.
5. Demonstrators will be furnished in-the-field recommendations of the specialists of the Agronomy Department.
6. Farmers will be given an opportunity to attend Agronomy School held by specialists of the Land Grant Colleges, Extension Service.
7. Members of the sun-cured tobacco committee will be shown how to properly take a soil sample and these members will be furnished special Tobacco Soil Sample Sheets to distribute to tobacco growers in their communities.
8. To furnish farmers with the most recent recommendations for all crops based on Experiment Station findings.
9. Demonstrations will be planned and discussed in cooperation with seed and fertilizer dealers and other agencies insofar as is possible.

D. Educational Activities

1. The Extension Agricultural Program will follow the recommendations and plans adopted by the Extension County Soils and Crops Committee with the advice and suggestions of other agricultural workers in the county.
2. Field meetings and tours will be conducted to show results in the field of certain demonstrations.
3. Appropriate signs will be used for outstanding, well-located demonstrations.
4. The results of demonstrations will be discussed at general

scribe to many farm magazines and are continuously seeking information about new crops and new ways to do a job.

Goochland County is the third largest producer of sun-cured tobacco. During 1959, the County Extension Agent conducted five fertilizer demonstrations to increase the yield and quality of tobacco. The average yield of sun-cured tobacco for Goochland County is considered low. One reason for this is several part-time farmers, particularly farmers who work at sawmills also raise small acreages of tobacco. Because of limited time they give this tobacco very little attention. This results in unusually low yields.

B. Objectives

The program of the Extension Soils and Crops Committee will cover most of the activities in the field of Agronomy.

1. To increase the average yield of sun-cured tobacco to 1100 pounds per acre.
2. To encourage every producer of alfalfa to use heptachlor in fertilizer for weevil control.
3. To conduct two demonstrations to control chickweed.
4. To conduct one demonstration controlling dandelion in pasture.
5. To conduct two demonstrations controlling buttercup in pasture.
6. To conduct an Extension Educational Program which will give farmers the most recent information in the production and marketing of all crops and the management of soils.

C. Methods

1. Procedure and recommendations furnished by the Extension Agricultural Department will be followed.
2. Keenly interested farmers will be selected to carry out

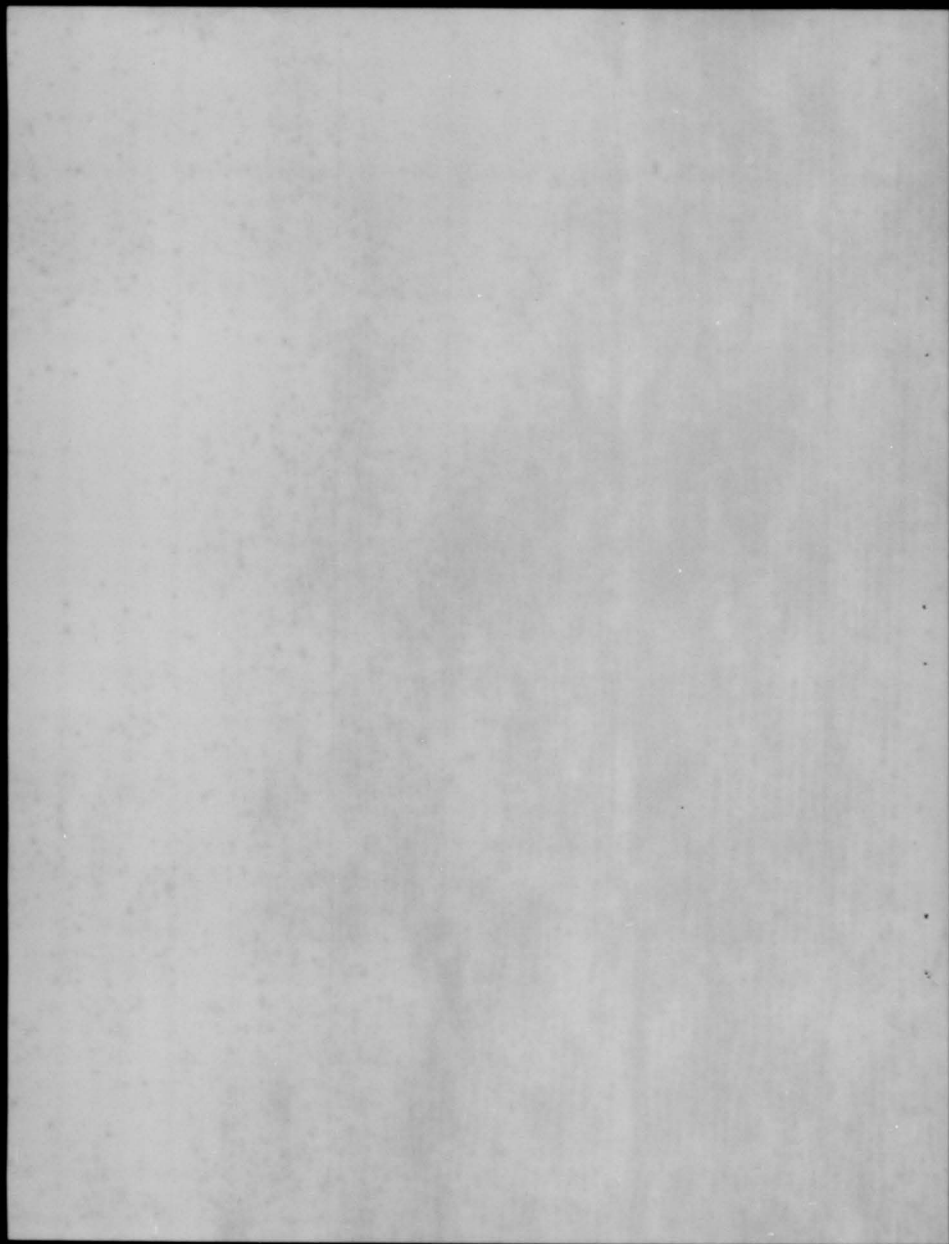
PLAN OF WORK - 1960

Due to the fact that a copy of the Goochland County Long-Time Extension Program is available in the State Office, background information including the general situation and county organization will not be included in the 1960 Plan of Work. This Plan of Work will be primarily concerned with what the Extension Agent will attempt to do in carrying out the educational program designed to reach objectives and goals.

AGRONOMY

A. Situation

Soil types in Goochland County respond to recommended treatment and management. The average normal rainfall makes profitable crop production possible if this rainfall is received at the proper time for best plant growth. Grassland farming is becoming more and more popular and is being practiced on an increasingly large number of farms each year. In this farm machinery age and high cost of production, farmers are interested in how to produce more bushels, more beef and more milk per acre. There is a marked increase in cattle numbers and sheep numbers during 1960 in Goochland County. The soils must be managed and crops must be produced to best feed this expanding livestock population. There is a trend, however, for farmers to cull their herds in the next few months because of the forecast of much lower prices of beef cattle this fall. There is an increase in new farmers in Goochland County who have had practically no previous experience in farming. Many owners of farms have businesses in the city of Richmond. Many of these farmers sub-



PLAN OF WORK

GOOCHLAND COUNTY

VIRGINIA

1960

EARL C. TRUETT

COUNTY AGRICULTURAL AGENT