

8. Hold weekend leadership camp.
9. Club members and adults participate in Roanoke Fair.

September:

1. Stressing preparation for lawn seeding.
2. Agents will visit all school principals and arrange 4-H Club meeting schedule for year.
3. Stress completion of 4-H record books.
4. Conduct Fall Feeder Calf and Yearling Sales.

October:

1. Re-organize 4-H Club groups in all schools.
2. Stress completion of 4-H projects and record books.
3. Four-H officers will be trained at fall county council meeting.
4. Pasture Improvement Contest tour and field day. Teach people land use through demonstration.
5. Score Community Improvement Clubs.

November:

1. Club members will enter project exhibits and outstanding members will be recognized at annual 4-H Achievement observance.
2. Four-H leader training meeting.
3. Agents will prepare annual reports.
4. Encourage all leaders to attend State Leaders Conference.
5. Participate in celebration of Farm City Week.

December:

1. Club members will join in a county-wide Christmas Party. Honor Club members will be tapped.
2. Stress soil sampling for 1959 crop production.
3. Review long range plan-of-work.
4. Work up 1960 annual plan-of-work.

4. Stress legume insect control methods.
5. Four-H leaders training meeting.
6. Stress seeding of supplementary pasture crops.
7. To hold broiler contest barbecue and awards program.
8. Conduct two stickweed control demonstrations.

June:

1. Four-H Club members attend State Short Course.
2. County-wide 4-H Electric School.
3. Shrub pruning demonstration for 4-H Club members.
4. Stress recommended control measures for household, garden, shrub, field crops, and livestock diseases and insects.
5. Personal visits will be made to farm families.
6. Stress garden tips.

July:

- 1.. Encourage farm people to attend the Institute of Rural Affairs.
2. Personal visits with farm families will be made.
3. Stress rotational grazing and pasture management.
4. Stress recommended control measures for household, garden, shrub, field crops, and livestock insects and diseases.
5. Senior 4-H Camp will be held for older 4-H Club members.
6. Four-H County Camp at Appomattox.

August:

1. Four-H leaders training meeting.
2. Dairymen will hold annual tour.
3. Pasture contest entries will be scored.
4. Stress preparation for seeding alfalfa and permanent pastures.
5. Vegetable producers will tour garden plots at VPI.
6. Agents will attend annual Extension Conference.
7. Stress recommended disease and insect control measures on gardens, lawns, field crops, shrubbery.

9. Prepare annual plan-of-work.
10. Schedule winter 4-H Council meeting.
11. Do long-range program planning.

March:

1. Conduct 4-H judging team training.
2. Counsel with 4-H Club members concerning assembling achievement records.
3. Have 4-H Clubs celebrate National 4-H Club Week.
4. Stress topdressing alfalfa -- or seeding of pastures.
5. Conduct 4-H Club electric workshops upon request.
6. Stress lawn and garden tips.
7. Conduct two Grandular Heptchlor demonstrations on control of alfalfa weevil -- also will include proper fertilization and chickweed control.
8. Attend livestock school for agents.
9. Participate in State Junior Broiler Growers Contest.

April:

1. Have club members and adults participate in area Fat Stock Show and Sale.
2. Conduct county-wide 4-H Public Speaking Contest.
3. Conduct Spring Yearling Sale.
4. Continue training for all 4-H judging teams.
5. Stress gardening tips.
6. Work with other agencies in developing conservation inventory needs.
7. Conduct county 4-H Share-the-Pun program.

May:

1. Individual club members and teams participate in district contests.
2. Continue to stress garden tips and insect control.
3. Four-H Club members observe Rural Life Sunday in local church and county vesper program.

CALENDAR OF WORK FOR YEAR

January:

1. Conduct chickweed control demonstrations.
2. Attend agent training schools on poultry and dairy management.
3. Conduct 4-H leaders training meeting.
4. Attend State Soil Conservation, Horticulture, and Dairy Conventions.
5. Timely demonstrations to all 4-H Club groups.
6. Publicize work and furnish timely technical information through all mass media (newspaper, radio, TV, news column, bulletins, personal letters.
7. Distribute crop varietal sheets and fertilizer recommendations to seedsmen, fertilizer dealers and farmers.
8. Stress importance of farm record keeping.
9. Organize a General Interest and Nutrition Committees, and a Youth Council.
10. Conduct Agricultural Extension Service Board meeting.
11. Conduct annual Ro-Dot breeders meeting.
12. Hold annual Feeder Calf banquet and meeting.
13. Conduct two grape pruning demonstrations with assistance of Bruce Aroian.
14. Hold 4-H Achievement Record Book workshop.

February:

1. Conduct Dairy School.
2. Attend Communications School.
3. Conduct Fruit School.
4. Attend agent training meetings on insect and weed control.
5. Stress importance of soil sampling.
6. Conduct apple pruning demonstrations.
7. Conduct 4-H county demonstration contest.
8. Commodity committee program planning.

* This will not be repeated, but carried each month.

12. Judging training in the livestock, dairy, and poultry fields will be offered to all qualified and interested club members.
13. Timely newspaper articles, radio and TV programs, and prizes will be used in publicizing the county 4-H program.
14. Specialist help and assistance from the State 4-H Club staff will be used when available, throughout the entire year's program.
15. Efforts will be made to strengthen the overall county program by the establishment of a county youth council.

Methods:

1. An effort will be made to secure the interest and active cooperation of a local organizational or sponsor leader for each 4-H Club, plus project leaders for special interest groups.
2. Have the Roanoke City, Roanoke Valley, Williamson Road, and Salem Kiwanis Clubs, the Salem Rotary Club, and local banks continue their cooperative projects in support of 4-H Club work, and encourage other civic clubs to sponsor 4-H activities.
3. A 4-H Camp will be planned for all eligible 4-H Club members. The 1959 camp will be held with Botetourt and Charlotte Counties at Holiday Lake July 13 - 18th.
4. Other out of county camps will be available to older club members for the purpose of leadership training -- (See) Senior 4-H Camp, Conservation Camp, Junior Leadership Camp.
5. Special recognition will be given outstanding club members, leaders, and sponsors through an annual 4-H Achievement Day program to be held in November, 1959.
6. Through the personal assistance of leaders, 4-H Club members will be encouraged to enter achievement records in the state contest.
7. A county 4-H yearbook will be published to better inform Roanoke County Club members, parents, leaders and businessmen of 4-H Club purposes, programs, and activities.
8. Four-H Club members will speak to civic groups and other organizations to enlighten the public about 4-H Club work in the county.
9. The 4-H Leaders organization will meet on the second Monday nights of February, May and August, and November, to receive professional training and to become better acquainted with each other.
10. Outstanding older club members will be recommended for membership in the Honor Club and All Star Chapter which will give them special recognition and a greater opportunity of leadership and service in the county and state.
11. Monthly meetings will be held in all school 4-H Clubs from October through May; out-of-school groups will meet monthly the year round. Demonstrations and other material concerning the county-wide project "Safety" will be supplied by agents and leaders. Special interest project instruction, counseling, and etc., will be provided individual club members by local leaders and county agents through home visits and special work groups.

Goals:

1. To hold a Christmas Party.
2. To observe National 4-H Club Week and Rural Life Sunday.
3. To have a Share-the-Fun Program (4-H Talent Show)
4. To send delegates to the State Conservation Camp.
5. To hold a County Achievement Day in 1959.
6. To send the County Council President to Short Course.
7. To have as many club members as possible participate in district and state contests.
8. To sponsor a County 4-H Camp for all eligible members who have completed a project.
9. To support and assist with worthwhile 4-H Club Community projects.
10. To recognize clubs on Achievement Day that have 95 per cent or better project completion.
11. To hold three **quarterly** council meetings during the year in November, April and August.
12. To encourage clubs plus members to subscribe to National 4-H Club News.
13. To establish a news column in the Salem Times-Register and the Vinton Booster.
14. To continue Jr. Leadership Training to meet the needs of Older 4-H Club members.
15. To have a Junior Leadership Camp.
16. To sponsor a county-wide achievement record contest and county-wide demonstration contest.
17. To encourage clubs to enter the WSIS contest.
18. To sponsor a float in the Christmas parade.
19. To sponsor a 4-H choral group.
20. To enter county electric contest.
21. To enter the county safety contest.

2. Encourage fruit growers to attend State Horticultural meeting and area schools.
3. Cooperate with VPI specialists in conducting research demonstrations in local orchards.

FARM AND HOME DEVELOPMENT:

The agents hope to work with eight additional farm and home development families in 1959.

ORNAMENTAL HORTICULTURE:

Request from city and town people continue to take more of the agents time for advice on pruning, spraying, fertilizing, planting, and controlling diseases of shrubs, lawns and gardens. We will continue to render this service -- however, it cramps our schedule and limits our time to work with farm people.

YOUTH WORK:

There are 840 boys and girls enrolled in 4-H Club work in 27 organized Clubs this year. Sixteen of these clubs meet in the schools and nine are community clubs.

The county-wide project this year is Safety in the Home and on the Farm. Planned demonstrations on some phase of Safety will be given at each 4-H meeting. Many club members conduct additional project work under the supervision of the agents and adult leaders.

The county 4-H leaders organization meets quarterly for professional training and fellowship. Agents and 4-H Club specialists train the leaders.

The able membership of our forty leaders assist with the many 4-H activities and the individual member supervision throughout the club year. A 4-H Youth Council was organized this spring. Roanoke County also has an active Honor Club and All Star Chapter.

Goals:

1. Continue Vegetable Growers organization.
2. Schedule educational tours of interest.
3. Organize vegetable committee to study plans for better marketing facilities.
4. Educate gardeners on recommended control of insects, weeds and diseases.

Methods:

1. Hold monthly meetings on timely topics.
2. Conduct summer tour to VPI vegetable plots.
3. Secure technical assistance from VPI specialists as needed.
4. Supply seed and professional workers with VPI bulletins on recommendations of varieties to plant, insect and disease control measures.

ORCHARD AND SMALL FRUIT:

Situation:

Twenty per cent of farm income is derived from fruit sales. An active Roanoke-Botetourt Fruit Growers organization meets monthly. Some of our fruit growers major problems are -- marketing their fruit at a profit, insect and disease control methods, and storage problems.

Goals:

1. Continue monthly meetings and conduct educational tours.
2. Educate growers as to need for more advertising of apples and peaches.
3. Conduct demonstrations on proper pruning techniques.
4. Enroll five new members in local association.
5. To improve handling, grading and marketing procedures.
6. To encourage growers to market their processing apples through a planned procedure.

Methods:

1. Plan tour for fruit growers to VPI to observe research work.

grading station at Farmville this past summer and a few local producers **have** entered into a contract with feed companies. Such contracts gives the producer a stable year-round market for their eggs.

Goals:

1. Cooperate with feed company representatives and other professional workers to **improve** poultry management practices.
2. Encourage egg producers to expand their operations to make them more efficient.
3. To strengthen and secure speakers on **timely** topics for egg producers organization.
4. Promote modern egg handling equipment.

Methods:

1. A **general** educational program of poultry hints, news **articles**, etc., will be used.
2. Poultry specialists and Division of Markets representatives will be used as technical assistance.
3. Continue to work for expanding markets for poultry and poultry products.

VEGETABLE PRODUCTION:

Situation:

Adequate marketing facilities for vegetables continues to be a problem and limits expansion in vegetable culture. Our commercial growers market direct to chain stores. If proper facilities for displaying, selling, grading and packaging vegetables were established, farmers, businessmen and **wholesalers**, stand to profit. Disease and insect controls create problems for farmers.

The Roanoke Vegetable Growers Organization meets monthly and have speakers to discuss timely topics. They also take tours to VPI and local places of interest.

supply the demand for breeding stock this past year.

Goals:

1. To save more pigs at farrowing.
2. Encourage farmers to produce meat type hogs.
3. To encourage farmers to study hog trends, and outlook information before building hog parlors.

Methods:

1. Sears Pig Chain will be continued to make available good breeding stock.
2. News articles and other public media will be used to educate hog producers.
3. Swine specialists will be consulted when needed.

SHEEP:

Situation:

Sheep, as a supplementary enterprise, are finding their place on more Roanoke County farms, especially beef cattle operations.

Goals:

1. Increase sheep numbers in the county.
2. Encourage farmers to dock and castrate lambs, and to market wool to the best advantage.

Methods:

1. Help farmers to pool orders for both native and western ewes upon requests.
2. Use success feature articles and publicity to promote sheep in county.

POULTRY:

Situation:

There is an increased interest in egg production in the county to take advantage of our local markets. Some broiler growers are converting their houses to layer houses. The broiler picture is dim. Some of our commercial egg growers are modernizing houses and expanding their operations. Lindsey-Robinson and Company established their egg

Goals:

1. Enroll eight dairymen in some record keeping program.
2. Increase number of cows bred artificially by 20 per cent.
3. Teach dairy management and forage program improvement through tours, demonstrations, farm visits, and day schools.
4. Cooperate with all groups in promoting dairying through educational activities and sales.

Methods:

1. Conduct a dairy school in February.
2. Continue annual dairy tour in August.
3. Use dairy specialists at VPI periodically.

FORESTRY:

Situation:

Approximately 50 per cent of land area is covered by trees. Less than one per cent gross agriculture income is from forestry.

Due to continued expansion of industrial and housing developments, forestry planting sites are limited to the Bent Mountain and Catawba areas.

Goals:

1. To give assistance as requested on any phase of forestry.
2. Encourage plantings of trees where practical.

Methods:

1. Cooperate with other agencies in encouraging better forestry management.

HOGS:

Situation:

There is an increased interest in contract hog farming in the county.

Four farmers built new hog parlors this past winter and have hogs under contract.

Some of our local farmers who sell breeding stock say they could not

were held. More farmers are taking advantage of these and there seems to be considerable interest in having three such sales this year.

The Roanoke Valley Angus and the Star Hereford Associations continue to conduct purebred sales.

Goals:

1. Have five new consignors to sell cattle in Feeder Sales this year.
2. Stress improved forage programs through demonstrations, tours, and county forage contest.
3. Cooperate with state veterinarians when our county is declared under test for bangs.
4. Purchase ten additional registered bulls.

Methods:

1. Conduct three organized feeder calf sales.
2. Encourage farmers to cull herds and select better sires.
3. Call upon livestock specialists and agronomists at VPI to assist committeemen and agents with demonstrations, schools and tours.
4. Use all available media to educate and motivate farmers to improve management practices.

DAIRY CATTLE:

Situation:

Thirty-three Grade A dairies in county. The trend is to cull herds and replace with Holstein cattle. More of our Grade C producers would like to get on Grade A market.

Progress is being made in forage programs on many farms. The grazing periods are being lengthen and summer drought crops such as sudan and pearl millet are being seeded. Out dairymen are realizing the value in good record keeping and the artificial insemination breeding program.

Goals:

- (a) Visit and score all participants in twelve-month forage program and offer suggestions for improvement.
- (b) Establish one hundred additional acres of improved pasture.
- (c) Conduct chickweed control demonstrations.
- (d) Conduct two stickweed control demonstrations.
- (e) Conduct two demonstrations on alfalfa plots which include alfalfa weevil control and proper fertilization.
- (f) Secure the cooperation of fertilizer and seed dealers and professional workers in promoting soil sampling.

Methods:

- 1- *(a) Individual contacts -- farm and home visits, office calls, personal letters.
 - * (b) Group contacts -- demonstrations, field day's and general meetings.
 - * (c) Mass contacts -- bulletins, leaflets, news stories, radio and TV.
 - 2- *(d) Activities will be carried out as specified in calendar of work.
 - 3- *(e) Soil Conservation Service, ASC Administration, Entomology and Weed Specialists, Vocational Agriculture Teachers, and commercial company representatives.
 - 4- *(f) Results will be measured by attendance and participation in these events -- by score cards in forage program, number of soil samples taken, and observation through personal contacts.
- * These methods will be used to carry out each phase of work and will not be repeated under each topic.

BEEF CATTLE:

Situation:

With increased prices farmers have been building up there breeding herds. Cattle marketing conditions have been good the past year, especially feeder cattle, since three organized feeder cattle sales

The annual Plan-of-Work was prepared by the Extension Agents' after the committee for each phase of work had their planning meeting and the County Board met.

The County Agricultural Extension Service Board met on January 29, with thirty-four people attending, including committee chairmen, other agencies representatives and key leaders.

At this meeting, the chairman of each committee gave a report as to the past year's program and accomplishments, and plans for the future. This meeting serves the purpose of informing all committee chairmen and the county key leaders as to the broad program the Extension agents conduct.

Mimeographed material was passed out at this meeting as to county trends and situations, committees, their chairman, plus additional information on program projection.

Mr. Murray Via and the First National Exchange Bank of Roanoke, had the group as their guests for a luncheon at Longwood.

AGRONOMY:

Situation:

The County Agronomy Committee met and made the following recommendations to the Extension agents:

- (a) Continue the twelve-month forage program with special emphasis on lengthening grazing period by seeding additional supplemental and winter pasture.
- (b) Increase emphasis on importance of taking soil samples.
- (c) Demonstrate methods of controlling insects and weeds affecting forage crops and pastures.
- (d) Distribute agronomic publications to farmers, seed, feed and fertilizer dealers.

1 9 5 9 P L A N O F W O R K

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