

*4-H club meetings second week; Junior and Senior 4-H Club meetings third week; Agents' weekly news column (Culpeper Star-Exponent); 15 minute broadcast (WCVA) each Monday for agent and each Friday for assistant county agent.

August (cont'd)	4-H Display Booth
	Sears Pig Judging
	Sears Pig Chain Banquet
	Vaccinate and test 4-H pigs and calves
	Select steers for fall show and sale.
September	- Plan out-of-state dairy tour.
	Culpeper Feeder Calf Sale
	Madison Yearling Sale
October	- Hold Mastitis and Antibiotics Meeting - Dairy
	Hold Corn Show at county agent's auditorium
	Two delegates to 5-State conference at Jackson's Mills
	Forestry Field Day
	4-H County Council Meeting
November	- Conduct tour to dairy farms - Farm-City Week
	4-H Leaders to Natural Bridge Conference
	Joint Feeder Calf Sale
	Annual Report
	4-H Achievement Day
December	- Contact Farmers for R.O.F. sign up
	4-H Baby Beef Tour
	4-H Mailing List

June	-	<p>4-H Baby Beef Selection Committee</p> <p>Hold Wester Ewe Sale at Pavilion</p> <p>Publish Poultry flock records</p> <p>4-H Dairy tour</p> <p>4-H Electric Tour and Picnic</p> <p>State 4-H Short Course</p> <p>Select steers for spring show and sale.</p>
July	-	<p>Attend Summer School - Arkansas</p> <p>Invite Northern Virginia 4-H Dairy Show to Culpeper.</p> <p>4-H Poultry Tour</p> <p>4-H Camps</p> <p>4-H Picnic</p> <p>Fitting and Showing Demonstration - Beef and Dairy</p> <p>Institute of Rural Affairs</p>
August	-	<p>Farm Show - Starting 24 - 29</p> <p>Set up Beef Tour to Eastern Shore, Md.</p> <p>Hold demonstration and meeting on pig parlors and farrowing houses.</p> <p>Arrange display of high producing cow at Farm Show.</p> <p>Have milk dispensing unit at Farm Show</p> <p>T.V.A. Fertilizer</p> <p>Six delegates to Camp Farrar</p>

- April (cont'd) - Sheep Demonstration - A. E. Goddard's Farm
- Buttercup Demonstration - J. C. Eller's
- Radio - High analysis fertilizer and heptachlor mixture.
- County Public Speaking Contest
- 4-H County Council Meeting
- 4-H Baby Beef Show and Sale
- Sears Pig Judging
- Poultry Judging Contest
- Dairy Judging Contest
- Livestock Judging Contest
- County Tractor Driving Contest
- May - Design and distribute chart for dairy barns
- Plan Land-Use Chart
- Plan three summer Ruritan agronomy tours
- Holstein Twilight Meeting
- 4-H Beef Tour
- District Tractor Driving Contest
- Select 4-H pigs for Orange Show in September.
- Rural Life Sunday
- Purchase Pigs for Orange Hog Sale
- Place Sears Pig and buy boar.

- February - Complete Commodity Meetings
- Feed and Fertilizer Dealers Meeting -
Box Supper
- Plan of Work
- Middleburg Pasture School
- Hold two Day D.H.I.A. Analysis School.
- D.H.I.A. Banquet
- T.V.A. Fertilizer
- Arrange for Purebred Hog Sale
- 4-H Judging Teams in Poultry, Dairying,
Livestock and Land.
- March - Hold Board of Agriculture Meeting
- Farm Credit Conference
- Select Junior dairy calves
- Livestock, poultry, and dairy judging schools.
- 4-H Club Week - radio, news articles, posters,
displays.
- Share-The-Fun Contest - Ann Wingfield School
Banks sponsor.
- 4-H District and State Records
- 4-H Enrollment
- April - Hold Poultry School
- Orange Spring Feeder Sale
- Contact 10 farmers on R.O.P. testing
- Held farmers select R.O.P. bulls from
Sale April 2nd.

f. Have a member participate in the District Electric Demonstration Contest.

7. Public Speaking

a. Have a county contest to select winner to participate in District Public Speaking Contest.

8. Entomology

a. Organize a "4-H Bug Club"

b. Meet twice monthly during the first of the bug season.

c. Have at least eight members complete the project and display their exhibits at the Farm Show and 4-H Achievement Day.

X. CALENDAR OF WORK

January	-	Hold Commodity Planning Meetings
		A. B. A. Banquet
		Contact Ruritan Clubs on Middleburg Field Day.
		*News Column
		*Radio Programs
		*Monthly Report
		*4-H Meetings
		4-H Tractor Maintenance Project Meetings
		4-H Electric Project Meetings

- b. Have 20 members complete the garden project.
- c. Average for 12 members in either or both projects to exhibit at the Farm Show.

5. Tractor Maintenance

- a. Set up five instructional meetings to be held at night one week apart at Tractor Equipment dealerships during January and February. Mechanics and junior leaders to instruct.
- b. Have a sixth meeting to award prizes in each unit to members having the highest grades on their record books.
- c. Have the 40 members complete project giving 100% completion.
- d. Have a county tractor driving contest to pick county winner to compete in district contest.

6. Farm and Home Electric

- a. Have three instructional meetings on Saturday mornings in January and February, organize club and get junior leaders and Power Company representatives to instruct.
- b. Have fourth meeting to make lamps.
- c. Have committee to work on club project.
- d. Junior leaders and former delegates to State 4-H Electric Congress have an exhibit there this August.
- e. Conduct farm tour and picnic in June when 95% completion of record books will be submitted.

b. Have a fitting and showing demonstration conducted by junior leaders a month before the Farm Show. Have at least two-thirds of the animals shown at Farm Show in August. Show at Northern Virginia Dairy Show and select animals at this Show to go on to the State Fair.

c. Have adult leaders select at least four registered calves from local breeders in March for new club members.

d. Junior leaders to visit younger members and non-members to stimulate interest and participation by these younger fellows.

d. Have a dairy judging team workout two times before the area judging contest.

e. Hold dairy calf tour in June when each club member scores projects and D.H.I.A. offer prizes to winners.

3. Poultry

a. Increase poultry projects at least by 10%.

b. Have a poultry tour in July.

c. Have eight members exhibit eggs or birds at the Farm Show.

d. Have a poultry judging team.

4. Crops and Garden

a. Have at least 10 outstanding boys raising livestock carry crop project to balance program.

2. Have tour of projects in July in addition to two scoring visits after gilts are placed and when they farrow. Prizes to be given to those doing the best job.

3. There is a real need for more members to feed out market hogs for the Orange Area Show and Sale. Select at least 15 pigs born in February and March to feed out for this event.

2. Dairy

Situation

An active Dairy Club meets monthly. Approximately 15 animals go to the Northern Virginia Dairy Show and to the State Fair after the Culpeper Farm Show; also show in Manassas. The members have done a good job in the show ring and also in raising their animals properly.

Need

The present need is for the selection for more typier animals. However, price and the length of time needed in calf raising put limitations upon this problem. A larger number of members are needed to carry this project, especially on the production end.

What Will Be Done in '59 To Meet These Needs

a/ Work through 4-H Dairy Club to stimulate better feeding and management, and selection of dairy calves by way of speakers, films, slides, and charts.

Need

There is a definite need for more members to feed steers for the spring and fall sales. Quality is not up to par and could stand much improvement. The calves need to go on feed sooner in the late summer than in the early fall.

What Will Be Done In '59 To Meet These Needs

1. In order to get more finish on these steers monthly visits and two 4-H tours are planned. The members will at this time score on feeding and management practices as well as the steers condition. Prizes will be given to the members doing the best job.
 2. Get Beef Club leaders to help select the 25 calves proposed to go on feed for the two shows and sales in '60 early before the feeder calf sales.
 3. Arrange for the six heifer projects to be shown at the Farm Show and at least one to be shown at the Middleburg Heifer Show.
 4. Have fitting and showing demonstration one month before show date with Beef Club leaders conducting.
 5. Have a livestock judging team workout twice before the area judging clinic.
- b. Swine
1. Supervise Sears Pig Chain closely, select five new members to carry on chain.

10. Fill county quota for camps and short course.
11. Support the Culpeper Farm Show management by Honor Club members acting as department superintendents.
12. Sponsor a float in the Culpeper Bicentennial Celebration.
13. Junior leaders to arrange for food and entertainment at 4-H picnic.
14. Hold Achievement Day program in November. Present 4-H Certificate of Recognition to adult leaders, and medals and awards to 4-H'ers. Honor Club members to be in charge of the day's activities.
15. Each club have a program at each meeting.
16. All clubs have 90% completion of projects by having junior leaders in each club to help with and collect record books.

B. Project Work

1. Livestock

a. Baby Beef and Heifer

Situation

An active Beef Club meets monthly.

Eighteen baby beeves are on feed for the spring and fall shows and sales here sponsored by the Culpeper County Chamber of Commerce. The spring show will be held in April and the fall show and sale at the Culpeper Farm Show. Local organizations will buy these beeves and most of them will be sold locally as 4-H beef.

2. Junior leadership in the tractor maintenance project.

3. Sponsor the following events:

- a. National 4-H Club Week in March.

Set up window display and get all clubs to make posters, have a 10 minute radio tape each day, and have at least 10 newspaper articles from club members in local paper.

- b. 4-H Share-The-Fun Contest in March.

Honor Club to make final arrangements. Get local banks to sponsor trips to camp and short course for the junior and senior winners.

- c. Rural Life Sunday in May

All Stars to select farm, and a representative from each club to participate on the program.

- d. 4-H Picnic in July

Honor Club to arrange for eats and recreation.

4. Submit at least eight State 4-H Achievement Records for district and state competition.

5. Submit at least three articles to Head, Heart, Hands & Health. Each president submit report on club activities during the year.

6. Honor Club members in the sewing project to supervise the making of a large 4-H club felt banner.

7. Each club secure an adult sponsor.

8. Sponsor a float in the Fireman's Parade in May.

9. Rural clubs to have a community project and send at least one delegate to 4-H camp in July.

IX. 4-H CLUB WORK

Situation

An active 4-H County Council composed of all local club officers head up the county 4-H program. They meet in the fall and spring to make the overall 4-H plans for the year.

Active junior leadership participation pivots from the Honor Club which was organized last November.

The 420 club members are divided into 12 4-H clubs that hold regular monthly meetings in the schools. A Dairy and^a Beef club meet monthly. An Electric and a Tractor Club meet for two months during the course of their project in January and February of each year.

Needs

The immediate need in the total county 4-H program at the present time is for active junior leadership in carrying out the goals of the 4-H program. A head start is being made in this direction through the newly organized Honor Club. This need is especially so since there exists a definite lacking of and need for adult leaders.

What Will Be done in 1959 To Meet These Needs?

By putting junior and adult leaders in positions according to their capacity to fulfill their responsibility in relation to the following goals:

1. Junior leadership in the electric project.

4. Keep experimental family records up-to-date on system used by Mr. Welch, U.S.D.A.

VII. FARM AND HOME DEVELOPMENTSituation

A dairy and a beef farm in two districts have been on this project for three years. A 1000 hen laying flock has been added to the beef operation and extra cows have been added to the dairy operation.

Goals and Methods

1. Work with William Jones on enlarging pole type barn and hay storage for beef cattle.
2. Work with Bill Gale on pole type tramp shed and I.B.M. System for D.H.I.A.
3. Explain new Farm Record System to these two farmers and submit records this year.

VIII. MISCELLANEOUSGoals

1. Assist with Farm Show--last week in August. Work with catalogue and rules committee.
2. Give technical and specialist assistance to organizations in county and attend D.H.I.A., A.B.A., Feeder Calf, and Agricultural Enterprises meetings when possible.
3. Cooperate with A.S.C., F.H.A., S.C.S. Va. Forest Service, F.F.A., Public Health Department, and other professional organizations in joint projects.

VI. OLDER YOUTHSituation

A Youth Council was organized last year to guide the youth program and specifically to manage the I.F.Y.E. program. Over \$825.00 was donated entirely by organizations in the county for the I.F.Y.E. last year. Leadership is still the limiting factor in the youth program but with the Council and the excellent assistant agent, Mason Hutcheson, a good deal of improvement was seen last year.

Goals and Methods

1. Correlate the leadership of the Youth Council, 4-H County Council and the All Star Chapter.
2. Send at least one leader to the 4-H Leaders Conference in November.
3. Send two delegates to the Five-State Conference at Jackson's Mill in October.
4. Have at least six older youth attend Camp Farrar in August.
5. Have the high school seniors attend Council Meeting or leaders contact each senior and discuss the opportunities of a college education.
6. Arrange host families for two incoming I.F.Y.E.s this year.

V. FORESTRY

Situation

Over 43% of Culpeper County is covered by forest and about 50,000 acres of this forest land is on farms. About one-fifth of this forest land is grazed. Over 10,000 cords of pulpwood are sold each year in addition to nine million board feet of lumber. Planting of pine seedlings has increased recently with 81 acres planted under the ACP program. Several pulp wood companies planted an equal number of acres. An Extension Committee was organized this year to work with this phase of agriculture.

Goals and Methods

1. Invite Forestry Service to explain service to farmers on two radio broadcasts this year.
2. Work with pulpwood companies for Culpeper Forestry Field Day to be held in October or November.
3. Arrange for one program on forestry at three Ruritan Club meetings this year.
4. Write at least three news stories of farmers who are carrying out forestry practices.
5. Continue two 4-H tree planting demonstrations in communities needing forest improvement most.
6. Write news stories and emphasize Forestry Week.

layers. An egg grading station has been established in the county. Most of the very small producers are discontinuing their operations.

Good management practices are being followed by the larger producers. The approximate \$400,000 income from eggs last year should boost the proportion of farm income from poultry above the 1950 ten percent of the county farm products sold.

Goals and Methods

1. Hold a one-day poultry school on March 10th. Invite Dr. Howes to speak on the outlook and situation in addition to the new stimilight method of raising layers. Denver Bragg to be asked to speak on new development and management. New equipment and buildings to be discussed by Dan Kite. Giles Miller and George Beard, local bankers to discuss sound financing. Lunch to be served by 4-H clubs and financed by county feed dealers.
2. Send quartly news releases to all producers and Poultry Hints to small flock owners.
3. Summarize V.P.I. cost accounting records on flocks in Culpeper and send to flock owners when available.
4. Give facts on poultry to small land owners for enterprise to supplement farm income.
5. Devote one news column and radio broadcast every two months to poultry.

3. Continue work with two T.V.A. demonstration farms- James Bailey and Howard Morris. Order fertilizer spring and fall after soil sampling.

4. Set up a pasture weed control demonstration at J. C. Eller's for buttercups. Continue plots at Fairview Farm on wild turnips in alfalfa and 2,4-DB on new seeded pasture at A. G. Willis'.

5. Plan a chart showing the crops for which each type of land in the county is suited according to type and slope.

6. Devote several columns and radio programs in March and April to the use of high analysis fertilizer and heptachlor-fertilizer mixtures.

7. Hold a tour or supply a speaker on agronomy at three of the six Ruritan Clubs this year.

8. Keep timely agronomy information in bulletin racks at farm stores in the county.

9. Publish the results of the V.P.I. forage survey to all Culpeper farmers when available.

IV. POULTRY

Situation

The poultry situation has almost made a complete change in the last two years from over 60% of the laying hens in flocks of less than 200 birds to 30 flocks of 1000 to 6000

members and enroll at least five members on the I.B.M. System.

11. Donald Kite and William Gale work as a committee to plan out-of-state tour for October or November.

III. AGRONOMY

Situation

Corn silage and alfalfa acreage have increased five times since 1940 with wheat and other small grains decreasing at the same rate. Most of the crops are fed to the 30,700 head of livestock which has doubled since 1940 with only 6.6% of the farm income from the sale of crops.

About 2300 acres of sudan and 4,000 acres of small grain were used for supplementary pasture last year. A large portion of the 75,000 acres of pasture is unimproved. The county is using about 2.8 acres of pasture per animal unit, .9 acre of hay, .28 acres of silage, or a total of 3.9 acres per animal unit with a forage hay equivalent per animal unit of 3310 pounds.

Goals and Methods

1. Hold box supper in February for all seed and fertilizer dealers and their employees. Discuss recommendations for weed control and latest information on seeds and fertilizer.
2. Hold Corn Show in October with banks sponsoring prize money. Set up weed control demonstrations.

Goals and Methods

1. Since the mastitis problem is so closely connected with the man in the barn, more information should be directed to him. Design an illustrated chart with the main causes of mastitis outlined. Place this chart in barns to be constant reminder to milkers.
2. Contact each of the six Ruritan Clubs to sponsor a car-load of their members to the Dairy Day at Middleburg in February.
3. Hold a meeting in October or November on the control of mastitis and use of antibiotics.
4. Conduct a dairy tour during Farm City Week in November. to a dairy farm in county. Donald Kite and Marion Speiden on committee.
5. Display the highest producing cow in county at the Farm Show in August listing production in quarts for educational purposes. Russell Inskeep, Charles Miller and Carlin Inskeep on the committee.
6. Marian Speiden and Bill Gale to work out plans for milk and ice cream dispensing at Farm Show, Decide on possibility of a Dairy Maid appointed by the Culpeper Dairy Committee.
7. Publish results of the farm management study conducted by V.P.I. for benefit of all dairymen in county.
8. Invite the Northern Virginia 4-H Dairy Show to Culpeper in August.
9. Hold a two-day herd analysis school for D/H.I.A.

Jimmy Hoffman, Fred Gordon, and Fred Rathje to form sales committee. Conduct a demonstration at A. E. Goddard's farm in April on sheep management.

6. Conduct a feeding tour of Eastern Shore operations in fall. J. M. Dyer and P. T. Fitzhugh on committee. Morton Feeding Company and Wye Plantation were suggested stops.

7. Work with committee on the R.O.F. Bull Feeding Trial and Sale on April 2nd.

8. Publish timely hints in newspaper and radio at least once each month in addition to keeping bulletins in racks at Supply Stores.

9. Hold meeting explaining hog farrowing houses and feeding during summer and use the two being constructed as demonstrations.

II. DAIRY

Situation

Dairying accounts for 45% of the farm products sold in Culpeper County. The 112 grade A producers average 63 cows per herd and breed two thirds artificially with over one-half of the grade A herds enrolled in three D.H.I. Associations. Production of D.H.I.A. herds increased 8 lbs. or to 398 lbs. of butterfat and 10,400 lbs. of milk. Bulk tanks hold all of the grade A milk and cow numbers remain stable.

More silage is being fed after a good crop year and almost all of the larger herds are increasing cow numbers with several smaller herds dispersing.

increased over three times in the last 15 years with over 7000 head at present. Most of these animals are in cow herds with a steady increase of fat cattle for market.

The Brucellosis Eradication program was completed at the beginning of the year. Sheep numbers have increased over last year to 3000 with two producers having flocks over 200 head.

Several farmers are planning to build commercial feeding floors and multiple farrow houses. Only small lots of hogs are fed on surplus grain at present.

Goals and Methods

1. Set up a Spring Feeder Calf and Yearling Sale to furnish a market for cattle where farmers have more winter feed than grazing. Invite surrounding counties to consign and set sale date for April 16.
2. Set up 4-H baby beef selection committee--Tom Jeffries, chairman; P. T. Fitzhugh, Silas Aylor, Bill Jones, John Lee Durant. Place calves on feed earlier. Ask banks to present trophy for overall feeding and management.
3. Write all beef men in county to encourage R.O.P. testing. Eventually have a center in Culpeper for Northern Virginia BCIA. Enter at least six new herds this year.
4. Discuss Middleburg Field Day with each of the six Ruritan Clubs in county to sponsor carload of members to February school.
5. Hold western ewe sale at pavilion in May or early June.

EXTENSION ORGANIZATION

The Extension program is the thinking of farm leaders and other agricultural agencies through the Culpeper County Extension Board of Agriculture and commodity committees.

The commodity committee for each major commodity--Livestock, Dairy, Agronomy and Pasture, and Poultry--met in February and made plans for the coming year. A forestry committee was organized this year. Last year a Youth Council was formed to guide the 4-H program and represents this phase on the Board of Agriculture. The Board meets in March with representatives of all phases of the Extension program reporting on their plans for the year. The representatives of all civic and other county organizations are present at the Board meeting.

MAJOR PROBLEMS

About 57% of the farms have less than 100 acres and 63% of the operators are working part-time off the farm. This situation where families can no longer make a living from the small farm, and adjustments must be made, is perhaps our major problem. The mechanization and changes necessary to replace labor is also a major problem, both financially and from the management standpoint.

I. LIVESTOCK

Situation

Livestock and livestock products rank second only to dairying for income to farmers in the county. Beef cattle numbers have

1959 PLAN OF WORK FOR CULPEPER COUNTY

Culpeper County is located in the upper Piedmont Plateau, covers 389 square miles, and has a total population of 13,242. Land in the 1,128 farms accounts for 71.5% of the land area. The rural non-farm population has remained stable since 1940, but the rural farm population has dropped from 8,023 in 1940 to 5,156 in 1950. Approximately 63% of the farm operators are working part-time off the farm.

The county is served with a railroad, three national highways, has an average of 40 inches rainfall, climate and soil that is well suited for agriculture.

Livestock numbers have doubled in the last 15 years and stand at over 30,000 at present. Dairy products sold make up 46% of the farm income; livestock, 36%; poultry, 10%; and field crops, 6.6%. Large laying flocks have increased by 10 last year.

SITUATION CHANGES

Last year was one of the best crop years for at least ten years. A surplus of hay, silage, and other forages were produced. Even with this abundant feed supply most farmers are feeling the cost-price squeeze more severely than in the past. The financial situation facing the Culpeper farmers has not changed to a great extent because of higher production costs, needed labor saving improvements, etc. Everything being considered, the general outlook and condition on most farms are much improved over last year.

VIRGINIA

AGRICULTURAL EXTENSION SERVICE

PLAN OF WORK

FOR

CULPEPER COUNTY

1959

Roy F. Heltsel - - - - County Agent

Mason H. Hutcheson - - Asst. County Agent