

HENRICO COUNTY

The extension program of mastitis control, was favorably received by the county dairymen. The county dairy committee requested that, in addition to securing a demonstrator, that each dairy herd be surveyed.

Attendance at the series of meetings to discuss production and feeding of high quality forages, was not as good as was expected. However, the staff noted that those in attendance started making progress in better forage production.

Due to inclement weather the meeting on growing pullet replacements, had to be cancelled. Through this meeting, the staff expected to accomplish much in extension education.

In the southeastern section of the county, excellent community 4-H Clubs, with adult leaders, were organized during 1962. In this area there was little 4-H Club activity, mainly due to the club having to meet at school. The county staff is fully aware that this accomplishment could not have been obtained without using local leadership. In other areas of the county, progress is being made in taking clubs out of the schools and forming community clubs. Slowness in forming the community clubs, is due to not being able to secure leaders.

IV. GENERAL APPRAISAL OF PAST YEAR

HENRICO COUNTY

During the year of 1962, the county staff was not up to full complement because of illness. However, well trained leaders made it possible for all Home Demonstration Clubs to meet each month. The excellent pre-planning by Agents and leaders, accepting the responsibility, made it possible for the planned program to be presented regularly to all clubs, and for all other activities to be carried out. Four new Home Demonstration Clubs were organized during the year.

The Clothing project, which included beginner sewing and accessories, had good participation.

The food programs were well received.

With the participation and interest manifested with these programs, the staff assumed that much progress was made in the extension education phase.

The alfalfa management results have been most effective among the producers, and business people who have visited the plot. The outstanding results noted from the use of additional potash, will have a definite bearing on future fertilization of alfalfa plantings. The county staff believes that the results depicted in the use of a higher potash analysis as a top dressing, impressed the fertilizer industry to the point of wanting to continue the higher potash analysis use. The timely application of herbicides and insecticides, gave excellent results in maintaining higher yields.

### III. SUCCESS STORY

HENRICO COUNTY

#### 4-H Organization

One of the greatest successes or accomplishments in the 4-H Club work in Henrico, has been the progress made in one community or organizing community clubs.

There were three 4-H clubs organized in Varina school. Inadequate meeting facilities brought about the organization of a Senior club. This Senior club, with the leadership of an adult leader met in the basement of a home at night. Immediately club members took more interest and the club grew from a small insignificant club to one with about twenty five active members. Pride was developed in each member, and even greater work was obvious in individual project activity.

This year, the Varina community has no school 4-H Clubs, but three clubs are meeting at night in the school cottage. Five adult leaders hold these club meetings once a month.

It is the opinion of everyone concerned that this community has made tremendous progress in 4-H club work.

### III. SUCCESS STORY

HENRICO COUNTY

#### Beef Herd Health Program

Participation in organized feeder calf sales, has helped in promoting the health program in a beef herd. One of the producers of a large beef cow-calf herd in the county became interested in participating in the Feeder Calf Sales. After securing the desired information he started consigning steers to both the fall and spring sales. He was well pleased with the prices received, and began to look for a marketing source for his heifers. Since he had not been testing for bangs or TB he could not participate as related to heifers, in the organized sales. He started testing both for brucellosis and TB to qualify for consignment of heifers to the sales. He has been more than pleased with the sale prices on his heifers. He is now testing regularly for brucellosis and TB, and knows the health status of his herd.

Alfalfa Demonstration

The alfalfa demonstration which was conducted through the cooperation of the Extension Agronomy Department, and a local cooperator, has been outstanding. In fact, it is the best result demonstration the Agent has had the privilege of working with over the years. One of the main reasons why alfalfa stands have not given economical yields over a lengthy period, has been due to the lack of using adequate potash. This demonstration clearly indicated that the alfalfa producers have not been using enough potash. Also the timely application of insect and weed control chemicals, have been contributing much to this demonstration. Those who have visited the demonstration, through meetings or individual visits, have been extremely interested in what they have seen, as related to the management applied to the demonstration.

It is believed the results of using a high analysis potash on this demonstration, has influenced the fertilizer industry in making the analysis that was used. Results of this demonstration will be far reaching in the years to come with the alfalfa producers.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: 4-H and Other Extension Youth Programs

PHASE: 4-H Personal Development

4-H members develop personally through many activities and events.

In Henrico County boys and girls participated in the following:

Public Speaking Contest

"Share The Fun" Talent Show

Camps

Rally Day

Leadership training.

Members gain confidence by writing up and giving speeches.

They gain self satisfaction and pleasure from presenting talent. The experiences and knowledge acquired at camp and rally day, all help to teach leadership, as well as getting along with one's fellow man.

It is felt that these young people made great advancement and progress in growing into a more desirable citizen

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: 4-H and Other Extension Youth Programs

PHASE: 4-H Career Exploration

Many young people complete high school, and start to work, only to find out later that they do not like, and are not happy, in their selection of a job. When club members learned of what the 4-H Career Exploration project offered, considerable interest was created.

Three clubs chose this project and went to work on it with much enthusiasm. Speakers were secured by leaders and agents from several careers, some of which were: engineering, nursing, coaching, medicine, chemistry, agriculture and secretarial.

It is felt that these boys and girls gained some very valuable information through their experiences, and are better prepared to choose their life's career.

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leaders arranged for lawyers or bankers to conduct the program on Wills and Deeds. Many of the latter were held at night, so that husbands and other interested community people could attend.

Some of the comments from homemakers concerning the value of the home management programs were: "We were amazed to learn how much money homemakers handle in a lifetime--made us realize we must learn all we can about how to get the most from our family income"; "The Wills and Deeds program was one of the most worthwhile projects our community has had. A large number of couples were inspired to act on the recommendations"; "We really learned the importance of reading labels, comparing prices on ready-prepared versus home-prepared foods, buying in quantity, planning before you buy, learning to buy and prepare less expensive meats and other foods". Many were inspired to check their hidden expenses (installment buying, impulse buying, etc.).

The Housecleaning program helped many of the homemakers to become less confused by the numerous housecleaning products, and the high-pressure advertising of them. They learned to make some inexpensive cleaners that would replace the assortment of expensive commercial products. Another valuable results of the program, was the help given homemakers in work simplification and housecleaning methods.

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II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Extension Home Economics

PHASE: Home Management - Adult

REASON FOR MAJOR EMPHASIS: Henrico County's population is largely urban and non-farm rural. Many homemakers and teen-agers are employed outside the home. Many are new-comers to the area. The urban area has a large percentage of young homemakers with small children. In the county as a whole, there are also many "senior citizens". New household products and confusing advertising have added to their problems. Families are faced with increasing need for better management of property and finances. Most families buy all food and other supplies used, and have problems of how to get the best value from the family budget.

OBJECTIVES: To help homemakers understand principles of selecting and using the proper materials, equipment, and methods for better housekeeping. To help them see the importance of understanding family business matters, of improving consumer buying methods, of acting on the recommendations concerning family wills and deeds.

PROGRESS REPORT: All H. D. Clubs had demonstrations, given by leaders, on: "Living Within Your Income--Thrifty Buying", and Housecleaning Methods, ("Keeping the House Soot and Dirt Free", was the name given to the program by the clubs.). County leader-training meetings were held on both of these projects. Club

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Three hundred and nineteen girls and five boys completed the Unit I project, 8 completed Unit II, 4 - Unit III, and 4 - Unit IV. Six seniors and nine juniors competed in food demonstration contests, and and eight seniors and eighteen juniors, entered exhibits in the county contest.

It is felt that the Food and Nutrition projects have helped a large number of the boys and girls to have a better understanding of nutrition and basic principles of meal planning and preparation. Many have improved at least some of their poor eating habits, and have influenced other members of their families.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Extension Home Economics

PHASE: Foods and Nutrition - 4-H

REASON FOR MAJOR EMPHASIS: Many pre-teens and teen-agers in the county have poor eating habits. Changing family living patterns have affected meals and nutrition. Lack of knowledge by the girls (and mothers), on meal planning and good preparation methods.

OBJECTIVE: To help the girls and boys understand the importance of, and to practice, good nutrition. To develop interest in learning good methods of meal planning, preparation, and serving. To teach the basic principles and recommended methods in food preparation.

PROGRESS REPORT: The 4-H Food and Nutrition project (Unit I) was taught in twenty four school clubs during the 1961-62 term, and in seven summer project groups. A leaders' training meeting was held for the twelve leaders conducting the summer projects. In addition to the six hundred and forty five boys and girls taking Unit I, there were sixteen who carried Units II, III, IV, and twenty three who carried bread, outdoor meals, and freezing projects. These latter were assisted individually by the Agents and leaders.

In both school clubs, and summer project groups, members were given opportunities to give demonstrations, and make exhibits at the meetings. All were encouraged to enter the County

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particularly in better planning and buying for economy. Some of the older club members expressed especially the value to them of the help on nutritious weight-reduction incorporated in the programs. In addition to the club members influenced by these programs, members and leaders gave the information to a large number of other county homemakers.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Extension Home Economics

PHASE: Foods and Nutrition - Adult

REASON FOR MAJOR EMPHASIS: Many homemakers work outside of the home.

Others are busy with community work, and other activities outside of the home. Stretching the income to meet the family's needs and living standards, was another factor.

OBJECTIVE: To help county women to improve their families' nutrition, to conserve their time and energy in food preparation, and to cut food costs.

PROGRESS REPORT: All H. D. Clubs had demonstrations, given by club leaders, on "Company Meals", and "Quick and Inexpensive Meals". Leader-training meetings were held on both of these subjects. A special interest program was also given on "Foreign Foods". Good nutrition, and saving of time, energy, and money, were emphasized in all of these programs. Another program (reported under Home Management), "Living Within Your Income, Thrifty Buying", also contributed to the help given women on saving money on food expenditures. Members reported that the programs had been especially valuable: in helping them to do a better job of planning meals for better nutrition, and time and money saving; of preparing and serving meals more attractively for family, as well as company; of saving money by use of economical foods and wise buying. The clubs whose members are largely young homemakers, expressed the valuable help they received from the program,

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leaders. All club members were given opportunities to give demonstrations. Twenty four girls and four boys enrolled in this project. Twenty one girls turned in completed records. The members were intensely interested in analyzing their good and bad traits, and their reports showed that they had definitely worked on improving their weak points. Forty two girls turned in records on completing the "So You'd Like to Sew" and "Make or Remake" projects. However, the majority of the girls enrolled in the classes actually made the required articles, and learned the main principles taught. Nine juniors and seven seniors entered the county Dress Review Contest, and five juniors and seven seniors exhibited articles made at County Contest.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Extension Home Economics

PHASE: Clothing - 4-H

REASON FOR MAJOR EMPHASIS: The high cost of clothing school children is a real problem for county families. Many mothers lack the time, or the knowledge, to sew, or to help their girls learn to sew. Girls of pre-teen and teen-age, are anxious to be well dressed, and need help on selection and planning as well as learning to save money by making their own clothes.

OBJECTIVE: To help girls learn to select becoming, suitable, and practical clothing. To teach them good sewing techniques, how to get a good fit, and to inspire them to want to save money by making their own clothes.

PROGRESS REPORT: One hundred and seven girls attended sewing project classes, conducted during the summer months. There were seven classes on "So You'd Like to Sew", three on second-year project work, and one on advanced sewing. Two community clubs carried "Look Your Best" project. A leader training meeting was held to prepare adult leaders for conducting the summer project groups.

Each clothing class had at least three all day sessions. Some of the groups invited their mothers to a fashion show, at which the girls modelled their garments, and exhibited other articles made.

The "Looking Your Best" projects, were conducted by adult

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pleased to learn how to get a good fit. All felt that they could definitely save more money on the family's clothing budget.

Leaders for the Hair Styling program reported that many members improved their appearance (and their self-confidence) by learning to style their hair more suitably. Learning proper care of the hair, and how to shampoo and arrange their own, was a means of saving money for many.

The accessory program helped the women to improve their appearance, and, at the same time, to save money. They learned to select basic, becoming, durable, garments, and to make them suitable for different occasions by proper accessorizing. Many were inspired to remodel garments and to make simple accessories.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Extension Home Economics

PHASE: Clothing - Adult

REASON FOR MAJOR EMPHASIS: Many county women feel the need for stretching the family's clothing dollar by making more garments at home. Some requests for help were from women who had no previous sewing instruction--others from women who felt a need for learning better methods. Since the family budget is also affected by expenditures for grooming, many expressed the need for help in these areas.

OBJECTIVE: To help county women save money and dress their families better.

PROGRESS REPORT: Special interest programs conducted for the women who expressed a need for improving sewing techniques were:

Two on Getting the Best from your Sewing Machine.

One on Basic Sewing Methods.

A "cotton dress" sewing class was conducted for the beginners who requested this help.

All H. D. Clubs had programs on Hair Styling and on Clothing Accessories, given by leaders.

Training meetings were held on both of these subjects.

The women who participated in the sewing programs felt that they were worthwhile. They learned easier and better methods to make sewing an interesting and valuable contribution to their home-making. Some of the women who had figure problems were especially

11. REPORT ON PROJECT AREAS

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PROJECT AREA: Marketing and Utilization of Agricultural Products

PHASE: Marketing of Livestock

The Extension Office worked with the Richmond Feeder Calf Association, and the Richmond Feeder Pig Association, in promoting among the county producers, marketing through these organized sales. County feeder calf producers participated in the Feeder Calf Sale. Thus far, only one feeder pig producer is consigning to the local organized sale. However, many producers purchase pigs through the Richmond Feeder Pig Sales. In order to help the sheep producers in the area, the Extension office worked with promoting the Richmond Area Pure Bred Ram Sale.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural

Resource Development

PHASE: 4-H Forestry

Our urban development does not lend itself well to some phase of forestry work. However, one club and several individuals carried project in forest appreciation. Through teaching by literature, demonstrations, and personal visits, it is felt good results were achieved. The County contest had good representation by participants in this project.

II. REPORT ON PROJECT AREAS

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PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Agricultural Engineering - Small Engines and Motors

— There was considerable interest among some of the older 4-H club members in the care and maintenance of lawn mowers and garden tractors. This project was conducted because of this interest. Two project leaders were secured, one by an adult leader and the other by the club members. This project proved to be, not only interesting, but also worth while from the standpoint of the 4-H'ers being able to overhaul and repair small engines and motors.

Progress was made in this project, and it is believed that in an urban situation, such as we have, it will gain in popularity. This opinion is based on the interest of the club members, and comments received.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Agricultural Engineering - 4-H Electric

The majority of the boys and girls in our county have electrical current in their homes. It was felt that this project could give information to enable the 4-H'ers to make better uses of this current. It was also felt that the teaching of the meaning of electrical terms would be of value. Learning how to make simple repairs could be a means of saving the cost of a repairman.

Two training meetings were held at the local power company, with an engineer and home economist teaching Units I & II, of the electric project. There was only fair participation by the members, but better than the previous year..

Visits were made to club members by Agents and power company representatives, as a follow up of these two meetings. Results were favorable, with demonstrations in the county, district and state, contests. Also the county had an exhibit at the State Electric Congress, one 4-H'er attended as a delegate, and another gave a demonstration.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Agricultural Engineering - 4-H Automotive Care and Safety

Interest has increased over the past year or so, in the field of care and safety with automobiles, to where this year three clubs chose to carry the "Automotive Care and Safety" project. A meeting was held at the County office building, with the specialist explaining this project to a group of lay adults who work in close relation with automobiles. The meeting proved to be very successful, with only one unable to attend who was invited.

Seven leaders conducting this project, are being worked with very closely. It promises to be one of the most successful projects conducted in years.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Agricultural Engineering.

Swine Building - Assistance rendered swine producers with buildings for swine production. One new floor swine feeding unit completed during the year. Plans are underway to build a lagoon.

Grain Storage and Drying - Installation of grain storage and drying equipment will increase. The Agent assisted one farmer in installing grain storage and drying facilities during the year.

Poultry Building - Requests for plans for poultry buildings and assistance with same, continues to be frequent. These plans are supplied, as well as all other requests for plans for farm structures.

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by a three member judging team. Five 4-H'ers exhibited birds at the State Fair.

Progress has been made through personal visits on management, and creating interest in the project. There are several egg laying projects.

Specialists worked with two field meetings in teaching judging, and made visits with the Agent in management practices.

The Agent worked with the interstate poultry judging contest at the State Fair. The Agent also assisted in conducting the District poultry contest. Demonstrations in poultry were given by 4'H-ers at the County Contest. Monthly news letters were sent out to members in this project.

Observations through personal visits, and comments by phone, show that progress is being made as a result of practices and interest.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: 4-H Poultry

REASON FOR MAJOR EMPHASIS: Income from poultry constitutes the largest agricultural income in the county. Teaching, through the poultry project, offers an opportunity for you to gain knowledge of poultry's importance in the nation's economy. This project is another facility, through which youth can travel to other counties and states, by competing for prizes, awards and scholarships.

The urban condition of the county lends itself somewhat to poultry projects, because of the small areas required by the project.

The curbing of costs in producing, management, and control of parasites and diseases, need attention.

OBJECTIVE: To increase the income from poultry for the club members, and to have the youth increase his knowledge by competing and representing the county in giving demonstrations and working on judging teams. Lower expenses.

PROGRESS REPORT: There is not as much participation in 4-H poultry as the Agent wishes to see, but progress is being made towards utilizing present facilities.

The county was represented in the District and State Contests

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control in poultry houses--participation was very poor.

The addition of one producer raising two flocks of pullet replacements a year, gives encouragement that progress is being made.

II. REPORT ON PROJECT AREAS

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PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Poultry - Special Pullet Growing Program

REASON FOR MAJOR EMPHASIS: Marketing of eggs, both retail and wholesale, represents a large segment of the income from poultry. The rapid increase in area population is helping to develop this phase of the poultry industry in the County. Cost of pullets represents a large cost in the poultry enterprise. The County egg producers are concerned about the high cost of pullet replacements, and under what conditions they were grown when purchased.

OBJECTIVE: Reduce cost of production and incidence of disease.

PROGRESS REPORT: A special one day Richmond Area poultry meeting was scheduled to discuss raising of pullet replacements. Due to inclement weather this meeting was cancelled. It was felt that this meeting would go a long ways towards solving some of the questions pullet producers had as to whether to raise or purchase replacement pullets. During field visits with poultrymen, this subject was discussed, and it resulted in one poultrymen raising twenty two hundred birds. In previous years he had purchased his replacement pullets. Leaflets and circulars have been distributed amongst the poultrymen, covering information on housing, equipment needs, and disease control management. County poultrymen were invited to attend a meeting on environmental

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HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

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Very favorable results are anticipated in this project,  
based on interest.

Two specialists from VPI advised on the organization of this  
project.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural  
Resource Development

PHASE: 4-H Livestock

Swine - The Agent visited commercial hog feeding operations in the area as a guest of the local power supplier. Feed handling, storage, housing, and management, were studied. This was a very educational tour, and knowledge gained was helpful in advising 4-H members taking the swine project.

There is continuous difficulty in regulating the feed program by club members, in order that they may exhibit a market hog of the proper weight at the spring junior livestock activity, as well as the State Fair. However, through personal observation, some progress is being made as a result of changes and improvements made.

Sheep - Prowling dogs and poor management are great hindrances to this project. Some progress is being made in improving quality of rams used in the two 4-H flocks. One pure bred ram was bought and added to one flock.

Beef - Some accomplishment is being made in this field in the feeding and management of market beef and breeding animals. This is being accomplished through visits, literature, and phone calls.

Light Horse and Pony - This is a new project area for the county. One club has gotten off to a start and has two leaders.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Livestock - Other Fields of Work

Feeding Beef and Swine - A meeting was held where specialists from V. P. I., discussed feeding high quality forages to beef cattle, and economic feeding of swine. This meeting was very effective in carrying educational material to the producers. Plans have been started to build the first lagoon for handling swine feces. A feeding floor will be built alongside the lagoon.

Managing Sows and Litter - Leaflets were distributed and field visits made to discuss management of swine, and how to obtain high numbers of weanling pigs.

Grinding and Mixing Home Grown Feeds - Grinding and Mixing information was supplied to producers interested in using home grown feeds. At the present time, there are two mixing mills being used for grinding and mixing these feeds for beef cattle and swine.

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From observations and in talking with the producers, more material is being sprayed for external parasites, and more treatment is being made for internal parasites. To date, progress is being made in this particular phase.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Livestock - External and Internal Parasite Control

REASON FOR MAJOR EMPHASIS: Income from livestock is fourth in the County. The trend is to feeding more swine for market. Also small lots of cattle are being fed on farms. Parasites are problems, and in order to have efficient gains in livestock, the County livestock producers feel that work should be done on the control of parasites. Some production of feeder pigs has started in the County. In order to meet the sale requirements, control of parasites is a must.

OBJECTIVE: To reduce incidence of parasites and thereby increase income from livestock.

PROGRESS REPORT: Losses due to parasites have been discussed with the individual producers in field visits and through telephone conversations. These methods have been the most effective way, thus far, in getting information to our producers. The greatest difficulty in getting an adequate spraying job completed, for the control of external parasites, is the lack of power spraying equipment.

Those livestock producers who participated in organized sales, have seen the need for control of internal and external parasites, in order to get better graded calves. The sales have been a big help.

II. REPORT ON PROJECT AREAS

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PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: 4-H Horticulture - Vegetable Garden

REASON FOR MAJOR EMPHASIS: The interest of club members to grow vegetables for home consumption, and an attempt to reduce the family grocery bill--as well as provide fresh vegetables for the family table.

OBJECTIVE: To increase the returns from the family garden by teaching better cultural practices, and by control of insects and diseases.

PROGRESS REPORT: Monthly Garden Letters were mailed to club members-- these letters and other literature, gave recommended varieties, cultural practices, and insect and disease control measures. Several members had soil analysis made in order to properly lime and fertilize their gardens. Personal visits helped with all phases of the garden project.

Eleven gardens were scored by the two Agents, and suggestions were made for improving garden practices. Five club members exhibited vegetable baskets at the Virginia State Fair, as well as individual vegetable entries. Exhibits were also made at the County Contests..

Through personal observation, and phone calls, the Agent feels that good results were achieved. Methods were worth while and with the help of leaders, it is felt that greater results will be forthcoming in this project field.

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went on to the State Contest, which he won.

Considerable progress has been made by having soils analyzed, followed by recommendations. Through visits, meetings, and by phone, help has been given with identifying insects, and recommendations for control.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: 4-H Horticulture - Beautification of Home Grounds

REASON FOR MAJOR EMPHASIS: Landscaping and maintenance of home grounds, constitutes a tremendous expense each year to home owners. The office receives a large number of phone calls for help in landscaping, maintenance and control of insects and diseases. There is a general lack of knowledge on types of plant material to use.

OBJECTIVE: To increase the knowledge of the public, so that they can better help themselves along the lines of landscaping, maintenance of home grounds, and control of insects and diseases.

PROGRESS REPORT: Community workshops were very effective in furthering the knowledge of 4-H'ers and their parents. Each workshop was followed by a tour of homes in the community. These tours enabled the 4-H'ers to see what others had accomplished in landscaping. Some 4-H'ers, taking this project as a "home project" gained valuable information by attending a workshop.

Literature was given out on landscaping, insect and disease control, lawn management and lawn furniture.

The county was represented in the District Contests with both a Junior and a Senior demonstration. The Senior demonstrator,

II. REPORT OF PROJECT AREAS

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PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Horticulture - Other Fields of Work

Spraying - Many requests received for information as to what to use as a spray material on both trees and small fruits.

Many visits were made in the field to assist in setting up a spray program.

Fruit Varieties - The office mailed many requests for varieties of fruits which can be successfully grown in the Richmond Area.

Pruning - Several demonstrations were held showing how to prune tree fruits. One demonstration was held on small fruits.

Vegetable Varieties and Fertilization - The Garden Letter, produced by the Horticulture Department, is mailed each month to those requesting that their names be placed on the mailing list. Many pamphlets, leaflets and circulars, were mailed in response to the many requests received. Field visits were made to assist with disease control programs.

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The Agent talked with ten Garden Clubs on subjects such as developing lawns, pruning shrubs and trees, and landscaping. Attendance was good at all meetings.

To further carry the latest information to those interested in horticulture, Landscape Notes were mailed regularly to those making request for this material. To assist in the identification of diseases, weeds, and insects, a regular identification service was maintained during the year. Specialists from V. P.I. assisted tremendously in this program.

Many soil samples were received and handled through the testing laboratory at V. P. I.

From the requests for additional information, and the use of the identification service, it is believed that tremendous progress has been made in informing the home owners on this phase of horticulture.

II. REPORT ON PROJECT AREAS

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PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Horticulture - Lawns, Shrubs, Trees and Landscaping.

REASON FOR MAJOR EMPHASIS: The trend in urban living is creating a need for educational information on developing and managing lawns, types and management of shrubs, landscaping, insects, diseases and weed control. Requests from home owners increase with the increasing population. Soil conditions in the area set up a need as relates to understanding soil characteristics and management.

OBJECTIVE: To reduce the incidence of failure in lawn development, shrub management, and have a knowledge and understanding of landscaping.

PROGRESS REPORT: To bring the latest information and know-how to the many new and old home owners in the County, a series of two meetings were held to discuss landscaping with vision, and plant materials, for the home grounds. The V. P. I. Specialists assisted with these meetings. Plant materials were on display for those in attendance to view. Attendance at these meetings was fairly good.

Two County-wide pesticide clinics were held, where individuals could bring plant material, weeds, plant diseases, and insects, for identification. These two clinics were not attended as well as they had been in previous years. For future planning, it is believed a change will have to be made as to location of the clinics.

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It is felt that much progress was made to help inform parents and the public on the importance of insects today. This was obvious from visits, phone calls, and literature given and sent out.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: 4-H Entomology

REASON FOR MAJOR EMPHASIS: Damage by insects amounts to a very large part of the expense in growing crops, vegetables, livestock, and ornamentals. Also, the retaining of a stand in lawns and crops, is affected largely by some insects. A large percentage of the public lacks the knowledge to properly identify pests in order that they may be controlled.

OBJECTIVE: To make the public more conscious of the importance of insects in our everyday life, and help them in curbing expense resulting from insect damage.

PROGRESS REPORT: A great deal of progress was made in the entomology project during the early part of the year. This project was one of two carried by club members in school 4-H clubs. Help was gotten from specialists on setting up and conducting the project. Leaders, Agents, and club members, gave demonstrations on identification, control, collection, display, and preservation of insects. Literature was given out on the above topics, as well as instructions for making equipment needed in the project. Insects were identified with help of specialists, and control given.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural  
Resource Development

PHASE: 4-H Dairy

There is a steady decline in the number of dairy farms in the County. Some of the farms having boys and girls of club age, do not lend themselves very well to the dairy project. On these farms you will find some of the following situations:  
No children of club age.

Children of club age who participate in no way in the dairy operation. One farther said "I do not want my child to have the drudgery of dairy work before going to and after returning from school."

Children on dairy farms, who have participated in the work, are doing a nice job. Six head of dairy cattle were exhibited at the State Fair.

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scored. Efforts will be made to carry out this activity. Thus far, two herds have been scored. The Task Force Committee was excellent, and they have agreed to work with the scoring of the other dairies.

The mastitis calendars were mailed to each dairyman in the county.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management and Natural Resource Development.

PHASE: Dairy - Other Fields of Work.

D.H.I.A. The Agent has worked closely with the Richmond Breeder's Association, promoting the use of better sires, which are available to the dairymen through the Association.

One additional dairy herd was secured during the year to participate in the D.H.I.A. testing program. Also one additional herd was put on E.D.P.M. records, which brings to a total of three, the herds now under this program.

Raising Heifers - The cost of raising dairy heifers was discussed with several dairymen. Also the vaccine for malignant edema was discussed with one dairyman, who had an outbreak.

Grinding and Mixing Home Grown Feeds - The grinding and mixing of home grown feeds for efficiency in operation, continued to be talked about in field visits with dairymen. Two dairymen now have such operations.

Mastitis Control - During the summer more emphasis was placed on the mastitis program. This emphasis will be carried on into a more intensive program next year. The Dairy Committee met and this group felt that it was desirable to start such a program.

A demonstrator has been surveyed, and it was felt by the group, that it would be well to have all the dairies in the county

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DHIA work. It is hoped to have this program with all of our dairymen during the coming year.

It is felt that progress may be made in feeding of forages for profit. This feeling is based on field visits with dairymen.

II. REPORT ON PROJECT AREAS

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PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Dairy - Feeding Good Forages for Profit.

REASON FOR MAJOR EMPHASIS: Income from dairying is first in agricultural products. Feed and labor represent the greatest cost in producing dairy products. The County has good growing conditions for corn and hay. Conditions for making high quality hay are usually good except in spring. Most dairymen have ample silage and hay, but quality in many situations does not give energy or palatability. Dairymen are concerned about high feed costs. Work needs to be done toward more efficient production of high energy forages.

OBJECTIVE: To increase forage quality, thereby increasing net profits.

PROGRESS REPORT: A series of forage meetings were held to discuss with our dairymen the difference in quality of forages. The Extension specialists held the subject matter discussions. The attendance was fair--however, those in attendance have put some of the information received, into practice. This statement is based on observations and consultations in the field. This program has been closely tied in with the Agronomy phase of Producing Quality Corn Silage. Circular on time of cutting ensilage for maximum feed value, was sent to all dairymen. The forage testing program, which was discussed with the Extension Agents a few weeks ago, has been started with dairymen in

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural  
Resource Development

PHASE: 4-H Agronomy - Corn, Soybeans and Small Grain

Very few 4'H'ers in the county have a situation whereby they can raise crops. However, there are some taking these three projects. Assistance is given in selecting seed varieties, and in fertilization and insect control.

The most outstanding project was carried by a youngster who has almost complete responsibility of the farm.

The Agent is well pleased with the accomplishment of projects carried and can see steady progress through personal observation

II. REPORT ON PROJECT AREAS

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PROJECT AREA: Agricultural Production, Management, and Natural  
Resource Development

PHASE: 4-H Agronomy - Corn, Soybeans and Small Grain

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producers are using controls applying only the band treatment. One demonstration was held in calibrating a sprayer. The results this year were rather sporadic due to weather conditions. Some got excellent control in the eastern part of the county. Others, using the same chemical, got only fair control. The Agent's office supplied information as to the type of chemical to use. One field visit was made with the Weed Specialist to try to determine the cause of poor results in the use of one chemical.

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management and Natural Resource Development.

PHASE: Agronomy - Other Fields of Work.

New Varieties - Copies of the leaflets on new varieties were mailed to all of our producers--also to seed outlet stores in the Richmond area. The new Roanoke Oat and James Barley varieties were discussed with several interested producers. Field Crop varieties for both the Coastal Plain and the Southern Piedmont, were also distributed to the County grain producers and to retail outlets in the area.

Fertilization - Fertilizer recommendations for grain and forage were distributed and discussed with producers, and retail seed dealers. This information is used extensively and it is one very effective educational activity.

Entomology - Insects did a great deal of damage this year to soybeans. The corn ear worm activity was pretty much over the county. Through information received from the Agent's office, both ground and air spraying was done.

For the first time in many years, rather extensive damage was done in one small area, to soybeans, through the feeding of the mexican bean beetle on the foliage. On the late planted beans, methoxychlor was used as a control measure.

Weed Control - Great interest is being shown in the control of weeds in soybeans, with pre-emergence chemicals. Most of the

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listing the qualities of corn cut at the proper time for silage; also the proper time of cutting. This letter was also sent to seed and feed dealers, who contact a lot of producers.

Field discussions were held in regards to the difference in yields between early, intermediate, and late corn hybrids.

Recommended varieties were also distributed.

From observations made in the field, and in talking with producers, it is estimated that satisfactory progress was made in this agronomy phase.

II. REPORT ON PROJECT AREAS

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PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Agronomy - Producing Quality Corn Silage

REASON FOR MAJOR EMPHASIS: The County farm income is largely from livestock and livestock products. High quality corn silage can mean cheaper production cost in milk and meat. Dairy cattle numbers are remaining about the same with dairy farms decreasing. The price squeeze is making producers more conscious of cutting cost of production. New information on yield of various corn hybrids will help reduce costs. More information is also available on time of cutting as relates to quality.

OBJECTIVE: To reduce the incidence of cutting corn in wrong stage, thereby increasing quality.

PROGRESS REPORT:

A meeting was held for County silage producers, with specialists from V. P. I. discussing the value of the proper time for cutting corn for silage. Attendance at this meeting was fair. However, it is believed that this one particular method greatly influenced those in attendance, that there is a great difference in the quality of silage, depending on when it is cut. The County was blessed with one of the finest corn years in its history. The Agent, in visiting fields at the time of harvest, noticed that the corn was being cut in a good stage for quality.

A mimeographed letter was mailed to dairy and livestock producers

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mailed to the producers discussing the time of cutting.

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been using a lower analysis fertilizer, and has now gone to using a higher analysis of fertilizer as recommended by the Extension Service. During the past year the analysis which has been recommended, has been easier to obtain as a direct result of the work in this demonstration.

Plant food needs for alfalfa were discussed with the area producers, and some progress was made in the use of a higher analysis of fertilizer as relates to potash.

The timely application of insecticides and herbicides to control insects and weeds, has given excellent results. This demonstration has been very effective in presenting an Extension educational program. In the past greater progress has been made in the use of insecticides for the control of insects in alfalfa. However, the use of more potash, and weed control, has been somewhat behind insect control. It is believed more potash will be used in the near future among the alfalfa producers, which will help to maintain the stand longer. This will help to create interest in seeding alfalfa. Emphasis will be placed on this particular phase next year.

The time of cutting as relates to quality was discussed in one of the winter meetings held on producing more and better forage. This meeting was not attended as well as had been anticipated, but in talking with those who did attend, the information received, was put into practice. Also a mimeographed letter was

II. REPORT ON PROJECT AREAS

HENRICO COUNTY

PROJECT AREA: Agricultural Production, Management, and Natural Resource Development.

PHASE: Agronomy - Maintaining Productive Alfalfa Stands Through Adjustment in Plant Food, Insect Control, and Time of Cutting.

REASON FOR MAJOR EMPHASIS: Income from Dairy and Livestock represent the largest segment of income in the County. Alfalfa is an important forage used in milk and meat production. Insect problems have caused a decrease in acreage. Also failure of stands to remain in production much longer than three years, has created a desire by producers to go to another forage.

OBJECTIVE: To increase production years of alfalfa plantings.

PROGRESS REPORT: An alfalfa demonstration was set up to show the value of adequate plant food, insect control, weed control, and time of cutting. It is the most outstanding result demonstration the Agent has had the privilege of working with in the Extension Educational program. A field meeting was held at this demonstration with producers, fertilizer manufacturers, and retail distributors, present. Also during the year various farmers and other interested persons, visited the demonstration. The interest was most gratifying.

In talking with various individuals, it is believed the results shown in this demonstration as relates to potash, created a desire with the manufacturers, to make an alfalfa fertilizer carrying more potash. The cooperator in this demonstration had

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3. 4-H Adult Leader Training

Leader Training meetings were held for adult leaders on food and nutrition, clothing and record keeping.

4. 4-H Junior Leadership -

- a. Club Officers - Each of the County 4-H Clubs had presidents, vice presidents, secretary-treasurers, and song leaders. Vice presidents were program chairmen, and arranged for several demonstrations to be given at each meeting. The fine attendance of officers at the County Council Officers' Training meeting, was very evident in the good job the club officers did in conducting their meetings.
- b. Five junior leaders assisted with community clubs or with project groups.
- c. Eight boys and girls served as Junior leaders for 4-H Camp.

C. Leader Training

1. Home Demonstration Club

Eleven leaders' training meetings were held for Home Demonstration club project leaders. Club officers were trained on parliamentary procedure and program development. It is felt that this development of leaders is one of the most important contributions of the Extension Service to the County this year.

2. 4-H Officer Training

An officer's training meeting for all 4-H Club officers was held in November--the attendance was excellent.

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The County Dairy Committee has also assisted in this phase of the mastitis control educational program.

3. 4-H Club Leaders - Progress was made towards the goal of securing the active participation of more adult leaders. Thirty nine adults served this year in various phases of the 4- H program.
  - a. Organizational leaders - Considerab's progress was made in reaching the goals set for organizing community clubs. Nine community clubs, with active leaders, are now conducting year-round programs. The success of the County 4-H contests, was due largely to the fine spirit and cooperation of the fifteen adult leaders, who conducted all phases of the contest and awards program. Leaders also assisted with 4-H camp, Rally Day, Honor Club, County Council, Public Speaking Contest, and County Talent Show.
  - b. Project leaders - Thirteen leaders did excellent jobs in conducting summer project groups as follows: five food and nutrition, eight clothing. Twenty adult leaders conducted or assisted with projects for community clubs in home grounds, automotive safety, home improvement, career exploration, looking your best, and electric

In September the All Stars put up one of the four educational 4-H exhibits at the State Fair--they received a third place award.

B. Contributions made by Local Leaders

1. Home Demonstration Club - The County officers, and the organizational officers of the various clubs, did an especially fine job this year in conducting county-wide activities, and in keeping the club work going enthusiastically-- in the absence of the Agent. In addition to their successful accomplishment of all activities and programs as planned, four new Home Demonstration Clubs were organized. All Home Demonstration Club programs were conducted by leaders, who were prepared for their jobs as county leaders in training meetings. Four hundred and two club leaders conducted programs in their clubs and communities, on Food and Nutrition, Clothing and Grooming, Home Management, Housing, Home Furnishings, and Home Crafts. In addition to giving the programs to their clubs, many conducted the projects for other adult groups, and some used the information in working with 4-H or other youth groups.
2. The Task Force, which is composed of business people and those interested in the dairy industry, have been most cooperative thus far, in making surveys of the county dairies.

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composed of eleven men and women from the four magisterial districts of the county. These are citizens who have a great deal of interest in 4-H club work. The committee met once during the year to consider the overall needs and problems of the 4-H club work in the county.

Two of the major activities carried out during the year were: the raising of funds to provide scholarships for club members, and, the making of an eight millimeter movie of junior and senior 4-H Camp.

5. The 4-H Adult Leaders' organization did not have a formal meeting this year. However, the leaders, both organizational and project, met to plan details of the County 4-H Contest. Each leader was assigned a definite duty for the contest and awards program. Everyone agreed that the contest was very successful, thanks to the excellent job done by the leaders.
6. The Henrico 4-H All Star Chapter meets monthly in the homes of its members. The Chapter has been very active in strengthening and furthering the county 4-H program, by contributing its leadership and financial support. The All Stars sponsor the annual Speaking Contest for all 4-H club members. They provide scholarships to activities such as camp, short course, and conservation camp.

I. INVOLVEMENT OF LOCAL LEADERSHIP IN PLANNING AND  
CARRYING OUT THE EXTENSION PROGRAM

HENRICO COUNTY

A. Planning Committees

1. The County Home Demonstration Committee is composed of :  
Presidents, Vice-Presidents, Project Development Leaders  
of the thirty Home Demonstration Clubs; and the County  
Home Demonstration Club Officers. This group met twice  
during the year, to develop the county-wide program from  
requests sent in by all of the Home Demonstration Clubs.  
The County committee also planned and conducted all  
county-wide special events and activities.
2. The Dairy Committee was most helpful in setting up the  
plans to carry out a more active mastitis control program  
in the county. There was a 100% attendance at the plan-  
ning meeting, and this committee set up a challenging  
program, from which good results can be expected, in  
the mastitis control program, if cooperation can be re-  
ceived from those doing the milking.
3. The 4-H Program Planning Committee is composed of 4-H  
boys and girls, and adult leaders from the four districts  
in the county. This group met during the summer to eval-  
uate the 4-H program and make necessary changes--also to  
select 4-H projects to be offered to the clubs for the  
1962-63 4-H club year.
4. The 4-H Adult Advisory Committee, organized in 1959, is

# ANNUAL NARRATIVE REPORT

## COUNTY EXTENSION WORK

### *Virginia Agricultural Extension Service*

Guy R. Davis

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**Extension Agent**

Mary C. Walker

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**Extension Agent**

Emma G. Welch

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H.D. **Assistant Agent** at-Large

Malcolm C. Andrews

---

**Assistant Agent**

Gayle Z. Lawrence

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**Assistant Agent**



1962

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County