NORTH CAROLINA

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AGRICULTURAL EXTENSION SERVICE

NARRATIVE REPORT

ROBERT L. SLOAN, COUNTY AGENT

BURKE COUNTY

MORGANTON, NORTH CAROLINA

1939

COUNTY AGENT ANNUAL REPORT

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SUBSIARY OF ACTIVITIES

During the year ending December first, 1939, the County Agent spent two hundred forty days in field work and sixty-six days in office work. Twelve thousand eight hundred twenty miles were traveled to make four hundred fifty one farm visits and attend seventy meetings. In the office four thousand three hundred five calls were received and three thousand one hundred sixty letters written in addition to preparing forty-one circular letters of which nine thousand copies were mailed out. Specialists assisted with work in the county twenty-seven days during the year. A more detailed report of the work by projects follows:

	Days Agent's Time	Demon- strations	Farm Visits Made	Office Calls Received	Farms Influenced (est.)		
Corn	11	5	25	1,1	500		
Wheat	5	0	1	55	300		
Legumes	33	10	32	392	700		
Potatoes	1	1	0	2	10		
Cotton	28	5	lele	64	400		
Tobacco	6	0	11	35	6		
Yard Beautification	1	0	2	35 5	2		
Orchards	13	-4	28	61	20		
Vineyards	3	1	2	6	5		
Forestry	13	5	20	70	50		
Engineering	14	8	21	70	5		
Poultry	36	8	64	128			
Bees	12	7	29	99	50 40 35 2		
Deiry	36	6	78	142	35		
Beef Cattle	3 2	1	5	5	2		
Swine	5	0	1	10	2		
Farm Management	7	3	5	28	3		
Marketing	12	1	3	0	100		
Public Problems	25	0	33	1306	100		
Ext. Organization	22	0	30-	1177	100		
Entomology	1	1	2	0	2		
Community Activities		0	18	29	200		
Soil Conservation	5	0	0	0	5		
Agr. Cons. Program	102	. 0	118	3486	1500		

Agricultural Extension Work in Burke County is fostered by the Board of County Commissioners consisting of five elected members cooperating with North Carolina State College of Agriculture, Extension Service, and the United States Department of Agriculture.

In developing the work local people have acted as local leaders, as demonstrators, and in addition have influenced many of their neighbors to adopt better farm practices advocated by the County Agent. Local people in different sections of the county have been consulted from time to time concerning the needs of their communities that might be reached by Extension Workers including the County Agent and Specialists from State College.

The general policy of the County Agent has been to develop and use, as demonstrations those projects in which the owners already displayed an unusual interest. An effort has been made to follow up demonstrations started in previous years and at the same time try to interest more people in better practices.

PROGRAM OF WORK

CHEALS: The largest acreage devoted to any one farm crop
in Burke County is devoted to corn, there being about fifteen thousand
mores of corn grown in Eurke County in 1939. The corn crop over most
of the county was good to excellent with an average yield for the county
of about twenty-one bushels. Some of the upland corn suffered from drought
which reduced the yield, but practically all of the bottom land corn made
a bumper crop. Corn growers are rapidly adopting the policy of growing
corn in rotation following a legume crop. The principal legumes used for
this purpose are lespedsta, soybeens, and cowpeas.

Two corn variety tests were conducted this year, one on upland and one on bottom land. Thirteen of the leading varieties of corn were used in these tests. The three highest yielding varieties on bottom land were Cocke's Prolific with 75.8 bushels per sere, McGimsoy's Prolific with 75.7 bushels per sere, and Eclombe's Prolific with 73.7 bushels per sere. The three leading varieties on upland were Wood's Hybrid Golden Prolific with 33.7 bushels per sere, Jarvis Prolific with 30.7 bushels per sere, and Wood's Hybrid Extra Early Tellow Bent with 29.7 bushels per acre. Averaging results for the two tests the three leading varieties are Cocke's Prolific with 54.1 bushels per sere, Wood's Hybrid Golden Prolific with 51.9 bushels per sere, and Helcombe's Prolific with 49.9 bushels per acre.

SUMMARY OF CORN VARIETY TESTS

1939

BURKE COUNTY

VARIETIES	ushels Ear Corn F	er Acre	Average Bushels of
	MoGimsey	Rector	Ear Corn
Cocke's Prolific	78.8	29-4	54.1
Wood's Hybrid Golden Prolific	70.2	33.7	51.9
Rector's Southern Beauty Local, McGimsey's Special	75•7	27.6	51.6
Holcombe's Prolific	73.7	26,1	49.9
Jarvis Prolific	68.5	30.7	49.6
Weekley's Improved	67.1	31.9	4945
Wood's Hybrid Yellow Dent	70.0	28.2	49.1
Wood's Hybrid Extra Early Yellow for	nt 68.0	29.7	48.8
Local	66,8	28.5	47.6
Wilkes County White	67.7	27.3	47.5
Wood's Hybrid White Dent	62,0	29.1	45.5
Bigg's Swannanoa	60.0	21,.8	42.4
Indian Chief	57•7	26,4	42.0

Wheat was harvested from nearly eight thousand sores in Burke County this year and the average yield was about thirteen bushels per acre, being a little better than an average wheat crop. Lespedeza was seeded on more than six thousand acres of this wheat land. Farmers regard lespedeza as the most valuable crop ever introduced into the county to be used in controlling erosion and it is ordinarily seeded on small grain, of which wheat is the leading crop. Wheat is an important crop in the county not only because of its own value for grain but because it lends itself so well to a rotation in which it is the nurse crop for lespedeza which in turn is an outstanding soil conserving crop.

Other cereals produced in the county include cats, rye, and barley each of which demand some time from the County Agent principally in the form of office calls for information on varieties, source of seed, fertilisation, and general management.

LEGUMES: Of the many legumes that can be grown in Burke County lespeders, in the few years since its introduction, has easily taken first place. Lespeders lends itself to many uses, the most outstanding of which are soil improvement, hay production, pasture, erosion control, and seed production, each of which is of considerable value and when combined their value to the agriculture of the county is enormous. The

sees of seeding has encouraged the expansion of acreage devoted to
this crop as it is usually seeded on land prepared for and seeded to
small grain crop without further preparation and usually without
further fertilization, though lespedeza responds well to applications
of lime, acid phosphate, and other plant food materials. The principal
mutety grown at the present time within the county is Korean though
lime has been equally popular where tried and will doubtless come into
greater use as seed become more readily available. The perennial variety,
inclose, has been tried in many localities but the total acreage has
remained quite small. There is in Burke County about twelve thousand acres
of lespedeza, about eight thousand seeded this year and about four thousand
previously seeded. Of this screage it is estimated that about nine
mousand acres is Korean and about three thousand acres Kobe, with probably
menty-five acres of Sericea and a few hundred acres of pasture seeded to
formore.

The growing of compess and soybsans has been stimulated through the acticultural Conservation association to the point of seeding about four mousand acres in corn for the purpose of improving the soil for the benefit at succeeding crops. Some of this seeding is done by planting alternate tills in the same row, some of it by planting alternate rows of corn and less, and some of it by broadcasting the peas or beens or a mixture of the

two in the corn at the time of the last cultivation of corn which serves the dual purpose of cultivating the corn and covering the peas and beans. Prior to the introduction of lespedesa, cowpeas and red clover were the principal soil improving crops used in the county. Then soybeans were introduced and they vied with cowpeas for honors. Then there followed a period of rapid decline in popularity of red clover, cowpeas, and soybeans, while lespedeza was rapidly increasing in popularity. Cowpeas and soybeans under stimulus of the Agricultural Conservation Program are regaining some of their lost popularity, while red clover has almost vanished from the county. The total acreage of legumes has increased considerably in recent years, and the most of the increase is in lespedeza, cowpeas, and soybeans.

Other legume crops grown in Burke County include alfalfa, sweet clover, red clover, alsike clover, crimson clover, vetch, Austrian winter peas, crotalaria, kudzu, and peanuts, all of which are of accondary importance though possessing merit and value to the agriculture of the county. Fasture mixtures are gaining in popularity and nearly all seedings for pasture contain lespedeza and white Autoh Clover of the legume family in addition to grasses. The principal work with legumes has been the giving of information and advice on liming, seeding, and utilizing the crop.

POTATOES: The production of sweet and Irish potatoes in the county is primarily for home consumption. The County Agent is occassionally called upon for information on varieties, fertilization, and curing or saving the crop. While some small amounts of potatoes are sold within the county the bulk of the crop is consumed by the family producing them, and in addition to the almost two thousand farmers in the county who grow potatoes there are almost as many city dwellers who grow potatoes, either Irish or sweet, or both.

COTTON: The cotton yield per acre in Surke County this year is thought to be the best since the introduction of cotton growing into the county. Weather conditions were favorable for cotton production throughout the planting, growing, and harvesting period. The fall was extremely favorable being dry and warm which caused all bolls to open. Improved varieties, better fertilisation, and better cultural practices account for part of the increase. Five hundred and thirty-eight farms in the sounty received an allotment of 1,745.5 acres to be planted to cotton this year under the Agricultural Conservation Program. Of this amount 1,026.3 acres were actually planted and from them a preliminary estimate places the average yield of lint cotton harvested at 360 pounds per sore. Several farmers have reported yields in excess of 500 pounds of lint per acre.

Three cotton variety tests were conducted during the year in different sections of the county comparing eleven of the most highly recommended varieties of cotton grown in this section. The highest yield per acre was obtained with Coker 100-Strain 3, making an average yield of 1,540 pounds of seed cotton per acre. The second highest yield was made with Stoneville 2-B, yielding 1,456 pounds of seed cotton per acre. The third highest yield was made with Coker 100-Strain 2, yielding 1,390 pounds of seed cotton per acre. For more complete report of cotton variety tests see attached tabulated report.

Work with cotton under the Agricultural Conservation Program made heavy demands upon the County Agent's time. Handling the Conservation Program as it relates to cotton with the consequent dissemination of information on acreage allotments and reasons for allotments, the checking of compliance, and the execution of applications for payment under this Program constituted a big undertaking. Then there was the Cotton Price Adjustment Program, the Marketing Quota Program, and Cotton Referendum, all of which required much time and study.

SUMMARY OF COTTON VARIETY TESTS

1939

BURKE COUNTY

Verioties %	POUNDS OF	SEED COT	TON PER ACRE	Average Pounds of Seed Cotton
Local	1280	1120	1000	1160
Coker 100 Strain 1	1380			1380
Coker 100 Strain 2	1660		1120	1390
Coker 100 Strain 3		1820	1260	1540
Wannamaker, Wonder Dixie Triumph	1160	1600	1120	1293
Mexican 128 6-B	1280	1360	1120	1254
Stonewille 2 B	1500	1670	1200	1456
Woods, D. & P. L. 11-A	1320		1040	1180
Woods, Ingold	1240		720	980
Woods, Early Trice	1240		920	1080
The Georgia Special	1160		1060	1110

County this year and flue cured was produced on eix farms in Burke
County this year and flue cured was produced on one farm. The County
Agent was called on for advice on varieties, fertilization, and cultural
practices. A referendum was conducted on marketing quotas for flue
cured and Burley producers separately. Checking compliance on tobacco
farms in connection with the Agricultural Conservation Program was a
part of the work. Burke County is situated on a dividing line between
the flue cured and Burley tobacco producing sections and as a result the
eastern part of the county has some interest in flue cured while the
western part of the county is interested in Burley tobacco production.

FRUITS AND VEGETARLES: Tree fruits are planted on all farms in the county for home use with about twenty-five farms producing fruit to sell. One of the greatest needs of agriculture in the county at the present time is better care of the home orchard. While all farmers buy and set some trees no farmers are giving their trees proper care. In this line of work the County Agent is called upon for information on varieties, pruning, spraying, grafting, fertilization, tillage, and other problems. All farmers and most town dwellers in Burke County plant a garden to help supply the home table with fresh vegetables. Vegetables found in most gardens include beans of many varieties, beets, cabbare, corn, cucumbers, lettuce, okra, onions, peas, potatoes, tomatoes, and turnips. In addition, asparagus, carrots, kale, mustard, rhubarb, spinach, and many other vegetables are from to a lesser extent. The vegetable diet

of this section is built around beans, corn, and potatoes. The principal requests for assistance from gardeners are for recommendation of adapted varieties, fertilization, and advice on insect and disease control measures.

Fifty different farms in Burke County conducted timber stand improvement demonstrations by removing the cull trees and saving the better trees on an average of three and a half acres each for a total of one hundred seventy-five acres to qualify for payment at the rate of three dollars per acre through the Agricultural Conservation Association this year. This is a practice that every farmer can adopt where firewood is used as it is easy to improve the timber stand while getting firewood for home use or market by the process of selective cutting, selecting the cull trees to cut for firewood and selecting the better trees to grow into timber. The better trees will then grow more rapidly by reason of absence of competition from the cull trees. Two demonstrations in planting a total of five acres of White Pine came through the summer with an eighty per cent survival and are expected to make a better growth next year than this. Last year's plantings are also still being supervised. Interest is growing in forestry management and especially that phase of it where the cull trees are removed while obtaining firewood which results in timber stand improvement.

ENGINEERING: In the field of engineering the principal work
accomplished during the year in Surke County was done through furnishing
information and plans on broader houses, laying houses, siles, tern
remodelling, and soil erosion control. Organization and general supervision
of the supervisors checking compliance and mapping seventeen hundred farms
in the Agricultural Conservation Association required considerable time
and thought of the County Agent.

About seventy thousand hens are kept on farms in Burke POULTRY: County with an annual crop of more than one hundred thousand baby chicks hatched and reared for home consumption, market, and replacement. One hatchery in the county turned out some two hundred thousand high class baby chicks this year, many of which went into other counties. Developing along with the hatchery has been the supply flocks supplying ergs to the hatchery. These supply flocks are pursoreds with proper color and type for the breed, blood tested for besillary wite diarrhoes, and rigidly culled for type and production and properly meted with sufficient selected male birds. Other factors in the poultry industry that have grown space with the hatchery and breeding flocks has been earlier hatching, better housing, better feeding, and better parasite and disease control, all of which are recognized as good poultry practices. Assistance was rendered in vaccinating fifteen hundred pullets on five farms in June and July to immunite them against outbreaks of chicken pox during the fall and winter. The County Agent with four leading poultrymen attended the World's Poultry Congress in Cleveland, Ohio, in July.

BURES COUNTY DEMONSTRATION POULTRY FLOCK SURGARY 1938-39

inth	Sotul France	Total member birts	Birds . per form	Total oggs for month	Eggs per bird	Por cent produc- tion	Total feed cost	Food cost per form		per bird	Total . pounds grain	Total pounds mash
ot.	1.	1201	200	12890	10,73	34.6	206.32	34.72	-198	۵.73	3630	6500
lov.		1174	196	14255	12,14	40.5	202.70	33,78	-170	-172	3400	6600
000.	8	895	179	9748	10,89	35.1	167.15	85,45	205	-186	3360	5000
Inn.		966	198	13859	13.82	44.5	173.51	34.70	-155	e179	3146	6316
eb.		976	195	14531	14.88	53.1	137.54	27.51	.113	-140	3296	8716
mr.	5	879	176	18792	21.87	68.9	153,75	30.75	•098	-174	2180	5000
pr.	4	628	157	13860	21,27	70.9	98.70	23.92	.085	.152	1525	3060
May	2	456	218	8999	20.63	66.5	81.55	40,77	.108	-187	700	2650
June	1	158	158	2560	16,20	54.0	81.80	31.50	.146	-198	700	800
July	1	156	156	2170	18,91	44.8	29.75	29.75	.164	.190	680	750
Aug.	1	153	153	2296	15,00	48.5	28,37	28.87	.151	.188	628	750
Sept.	1	185	186	2430	13,13	45.7	37.35	37.35	.188	.201	900	900
	42	7807		115389	177	48,4	1847.49	38.49	.140	2.06	23882	41082

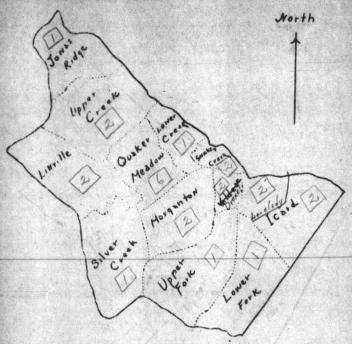
Pounds Feed		Pounds	ds Highest I		Avorage	Value of produc			Return Above Feed Cost			
per rain		Grain and mash to produce doz. ages	price per doz. eggs	price per doz. eggs	sale price per doz. eggs	Total	Por farm	Per bird	Total	form	Per bire	
3.0	5.4	9.4	.384	.275	•320	344.70	87,45	.287	136,38	22.73	-114	
2.8	5.6	0.4	-373	-280	.344	409,26	48,21	-549	205.56	24.45	-176	
3.5	8.5	10.0	.562	-279	.349	284,01	56,80	.817	116,96	23.37	.131	
3.2	5.5	7.6	•312	.231	.283	315.79	63.16	.326	142.28	28,46	-147	
3.3	3.8	8.7	.828	.190	.266	323,00	64.60	.330	185.46	87,09	.190	
2.4	5.6	4.5	.350	.180	.224	350.96	70,19	.399	197.21	39,44	.225	
2-4	4.8	4.1	-275	-166	•210	234.14	58,58	.872	188.44	34,61	.220	
1.6	6.0	4.4	.212	.174	.186	139.37	69,68	.519	57.82	28,91	.132	
4.4	5.0	7.0			.200	42,60	42.60	.269	11.80	11,80	.07	
441	4.8	7.7			.220	39,60	89.90	.253	9.85	9.85	.06	
4.0	4.9	7.1			•242	46.25	46,25	.302	17,88	17,38	.11	
4.8	4.8				.583	67,80	80.41	.366	30.45	30,45	,16	
36.6	63.0	6.7			.270	2597.48	74.2	3,98	1249.99	35.7	1.5	

d

BEES: Bees are found on about six hundred farms in the county and are usually to be found in old fashioned box hives with a few in still older fashioned sections of sollow logs. The use of modern movable frame hives is practiced on about one hundred of these farms. Every year finds a few new bee keepers adopting modern hives and calling on the County Agent for information and advice on hives and equipment, transferring from old box hives to movable frame hives, swarm control, disease treatment, and requeening. The honey crop in Surke County this year was the shortest it has been for the last fifteen years, and probably much longer.

DAIST: Extension work in delrying includes practices in better breeding, better housing, better feeding, better pastures, and exhibition. One or more head of cattle are kept on two thousand of the farms in the county. Introduction of purebred bulls has improved the native stock of cattle very much during the past ten years. The Burks County Guernsey Breeders Association held their minth annual purebred cattle show in Morganton September 20, and 21, with sixty-five anisals exhibited from twenty-four farms. A banquet meeting held in connection with the show and attended by about eighty breaders and their friends constituted one of the most important agricultural meetings held in the county during the year. Judging was done by Professor J. P. LaMaster, Head of The Bairy Division at Clemen College, South Carolina, while H. C. Sates, Southern Field Representative of The American Guernsey Cattle Club, delivered the principal address at the banquet meeting. A few purebred anisals are sold

BURKE COUNTY



Number of farms breeding improved dairy cattle by townships

each year as a result of the show. The business men of Morganton have been very generous in their support of the show donating merchandise premiums to the value of about two hundred dollars as an encouragement to the breeders who are striving to breed and grow better dairy eattle for themselves and their neighbors. The show was attended by several hundred interested spectators. Seven boys and four girls have selected as their project in 1-H work the growing of a purebred dairy gow. Each of these eleven 1-H club members had an exhibit at the County Show in Morganton. All cattle in the county six months old and over were tested for Bang's disease during the year and all reactors slaughtered immediately. Approximately six thousand animals were tested, of which number eight reacted to the test and were removed from the herds.

BEEF CATTLE: Mr. E. T. Bollinger, of Morganton, Moute 1, is developing a herd of beef cattle and added to his herd during the year three high class registered Herefords, one male and two females, for breeding purposes.

SHIRE: Occasional calls are received for information on disease control, parssite control, feeding, breeding, and other swine management problems.

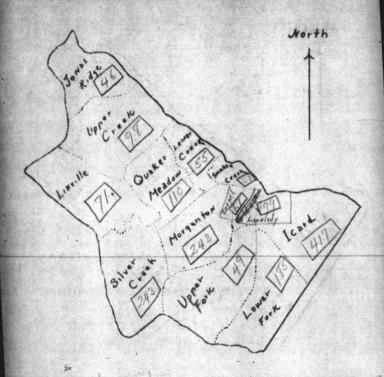
PARM MANAGEMENT: A simple record book including receipts and expenses incurred in connection with farming operations is being kept by three farmers whose farms are designated as demonstration farms. The use of triple superphosphate in connection with the growing of soil conserving crops is being demonstrated on these farms. Better farming practices such as rotation of crops, terracing, better fertilization, diversified farming, livestock production, fruit growing, gardening, and home beautification are being encouraged along with simple record keeping.

MARKETING: Some fifty beekeepers were assisted in obtaining desired bee supplies for improved hives. Twenty farm momen have been assisted and encouraged in the operation of a curb market for country. produce where about two hundred oustomers come to buy products of the farm such as poultry and dairy products, fruits and vegetables, canned and cocked goods, and many other products of the farm and home. The market is open for a few hours in the fore-moon on Wednesdays and Saturdays and the average sales amount to about \$125.00 a week. Frequent calls are received for information and advice on buying and salling various farm products and necessities such as livestock, especially breeding stock, improved seeds of approved varieties and many other items.

AGRICULTURAL CONSERVATION PROGRAM: Payments received in the county in 1939 for participation in the 1938 Agricultural Conservation Program amounted to \$26,174,42 with 1,396 farms qualifying for payments. Compliance was checked on 1,772 farms out of 2,109 farms covered by work sheets in 1939. Of this number it is estimated that more than 1,500 can qualify for some payment in 1939. Cotton price adjustment payments emounting to approximately \$4,695.92 have been obtained for 298 cotton growers in the county on the 1938 crop. Marketing quotas have been obtained for 359 cotton growers for the 1939 crop and cards delivered to the producers. Referenda were conducted during the year for cotton growers and once each for Burley and flue cured tobacco growers.

Supervisors checking compliance reported 11,350 acres of non-depleting crops grown alone, 11,449 acres of non-depleting crops grown with or following depleting crops in the county this year, making a total of 22,459 acres of non-depleting or conserving crops grown on the 1,772 farms checked which is an average of about twelve acres of conserving crops per farm counting that grown alone and that grown in combination with a depleting crop. One thousand eight hundred fifty tons of lime were applied in preparation for soil improving crops and in addition several tons of basic slag and superphosphate were used. Fifty farmers thinned one hundred seventy-five acres of woodsland to qualify for two units to the acre for timber stand improvement.

BURKE COUNTY



Farms participating in Agricultural Conservation Program

By Townships

The deploting acreage reported for farms checked was 12,280 acres of corm, 5,896 acres of wheat, 1,395 acres of oats, 1,026 acres of cotton, and 506 acres of other deploting crops.

Three hundred thirty-seven farms for which work sheets were prepared were not checked for compliance at the request of the operators.

SOIL CONSERVATION: The Soil Conservation Service entered Surks

County during the year through a referendum submitted to land owners

on a proposal to enlarge the Catawba Soil Conservation District to

include all of Burke County. The County Agent and Committee of the

Agricultural Conservation Association took an active part in organizing

and arranging for the referendum. When the ballots were tabulated the

results amounted to a landslide in favor of all of Surke County becoming

a part of the existing Soil Conservation District. A branch office

has been opened in Morganton and two men already assigned to work in

Burke County.

OTHER AGENCIES: During the year occasional service has been rendered through cooperation with other agencies including the Farm Credit Administration, Farm Security Administration, Soil Conservation, Service, County Wolfare Department, and County Board of Health.

OUTLOOK AND RECOMMENDATIONS

SOILS: Continue to urge the use of lime, legumes, deep fall plowing, balanced fertilizer, rotation of crops, and terracing.

FARM CROPS: Farm crop work will receive the greater part of its time through the agricultural Conservation Program and Farm Management demonstration farms. Some additional time should be allowed in which to emphasize the importance of improved practices in the growing of farm crops.

HORTICULTURE: Timely information should be given through the press and otherwise on home gardens, home orchards, and to a lesser extent commercial orchards and gardens including small fruits, grapes, and berries.

DAIRYING: Some time should be given to timely information on feeding, breeding, marketing, silo construction, barn construction, and other phases of dairy management. The annual Guernsey Cattle Show should be continued.

POULTRY: Cooperation is developing supply breeding flocks for the local hatchery should be continued. Time should be allowed for advice on incubation, broading, housing, feeding, parasite control, disease prevention, culling, sanitation, and other approved practices.

BEES: Continue to supervise demonstrations under way and allow some time for calls for information and advice from beginners.

MARKETING: The County Agent will be called upon to render service to farm people in both buying and selling. In selling farm produce the Country Market Association in Morganton should receive the assistance and encouragement of both the Farm and Home Agent. The Mutual Feed Store in Valdese may require some advice and assistance. Time should be allowed for other groups and individuals who are interested in problems of selling farm commodities. Time should also be allowed for problems of buying, especially determining sources of improved varieties of seeds of crops and vegetables, and livestock for breeding purposes.

AGRICULTURAL CONSERVATION PROGRAM: The Agricultural Conservation

Program has been a benefit to Burke County Agriculture and while it lasts
will continue to require much of the Sounty Agent's time for the proper
dissemination of information and direction of its affairs.

HISTORY OF EXTENSION WORK IN BURKE COUNTY

1. Extension Work in Burke County began in 1912 with the appointment of R. B. Moore as local or county agent under joint sponsorship of The Farmers' Cooperative Demonstration Work for the Southern States, and the Board of County Commissioners for Burke County. E. S. Millsaps was district agent in charge supervising the work which consisted principally of corn growing demonstrations. The principal crops were corn and wheat. The main farm problem receiving the attention of the agent was that all increasing the per acre yield of corn through improved cultural practices. Mr. Moore served the county through 1912 and 1913 using a horse and buggy for transportation. In 1914 and 1915 the county was without the services of an Extension Worker but in 1916 the work was reinstated and E. L. Perkins appointed county agent. Mr. Perkins served through 1916, 1917, and part of 1918 during which time the world war was in progress, and in the summer of 1916 an unprecedented rain caused all local streams to rise to such an extent that all crops and much property and livestock along their courses were destroyed. While Mr. Perkins served the county farmers were beginning to think more of diversification, and the soybean was introduced into the agriculture of the county by Mr. Perkins. primarily for soil improvement. Mr. Perkins states (11-26-'39) that the principal objective of his tenure of service was soil building by use of green manure crops with special emphasis on soybeans. Many other lines of work began to receive some attention during this period. The period 1919 through 1922 Burke County was without the services of an Extension Worker.

3. In the beginning the program of work for a county was determined entirely by the county agent and his supervisors. How committees of local leaders may request the work which in their judgment will be most beneficial to their county or community. Programs of work are then determined after careful study by various specialists promoting projects adaptable to the area.

h. Tesching methods in the beginning were confined to demonstrations. Present teaching methods have enlarged to include circular letters, individual letters, newspaper articles, radio talks, group meetings, clubs, and individual conversations, while still retaining some of the old result demonstrations and adapting them to practically all farm enterprises, and adding method demonstrations adapted to many farm enterprises. Local leaders frequently carry the teachings of extension workers to people beyond the reach of the regular extension workers.

5. Extension Work first brought to the people better tillage practices in corn growing, then a concept of improving the land by use of soil building crops before planting the corn, and more recently it has been broadened to cover many and varied services in the field of agriculture. One recent example relates to health, affecting both livestock and people. Bang's disease was accused of impairing the health and production of milk cows, and of being transmitted through milk to humans, in the towns and in the country alike. Something should be done about it. Representatives from both the farm and the town came to the county agent to help organize a movement to eradicate the disease. As a result of the movement all cattle in the county six months old and over have been tested for Bang's and all reactors slaughtered. The same procedure was followed some years ago with tuberculosis, following which all cattle in the county were tested. Another example relates to marketing country produce. Home owned grocery stores had nearly all gone out of business and the trade taken over by branch units of chain stores whose managers did not buy local produce as their predecessors had done. Some of the farmer's wives appealed to the local extension worker. By cooperation a plan was worked out for a curb market which is now in operation with about twenty sellers and more than a hundred customers. Many other important problems have found at least a partial solution through the cooperative effort the extension office has been able to effect.

- (b) The World War came and with it the slogan "Pood will win the War". Patriction was appealed to and the farmer responded with greater production of all staple food crops adapted to his farm. In addition to encouraging the farmer to produce more food and feed crops the county agent was expected to take part in selling War Saving Stamps, Liberty Bonds, Red Cross roll call, the perole of soldiers to farm, and many other emergency activities.
- (c) The immediate post-war period found Burke County without the services of an extension worker. No agent was employed from 1988 until 1983.
- (d) On the last day of January, 1963, the present county agent arrived in Morganton, a stranger, to take up work as county agent the next morning. Early efforts were directed towards in All Club Work, orward development, poultry improvement, and cattle improvement through breeding. At this time radios had not entered the farm homes of Burke County. Automobiles, trucks, and tractors were very rare on farms. Roads became impassable with a short rainfall. Consolidated schools were only a traem. A movie was a rare treat for the farmer's family, and talking pictures had not even entered their imagination. Corn and wheat were the principal

crops sold and they were transported in wagons when the roads were dry.

There were no large flocks of poultry, no large incubators, no
dairies, and no conception of a milk inspection ordinance. Sweet milk
and ice cream consumption per capita was very low. Many improvements,
especially in the breeding, housing, and feeding of poultry and livestock,
were taking place with the cooperation of the county agent before the end
of this period.

(e) The New Deal entered Burke County through the cotton fields of about a dozen farmers in July, 1933. One fourth of their cotton was plowed under by these cotton farmers as a token of faith in the leadership of the New Deal. Burks County farms are small subsistence enterprises on the whole with very few producing cotton or other money crops and, therefore, the New Deal farm legislation held very little to allure the average farmer during those first years. But when the Supreme Court threw the first A. A. A. cut the window and Congress enacted a new A. A. A. with emphasis on soil building practices then Burke County farmers sem its benefits to them. From 1933 through 1939 each year has found more Burke County farmers participating in the farm program than the previous year. The dozen who started in 1935 had grown to 1700 in 1939. And the benefits are considered such more far reaching then the payments to the farm for compliance, since production on a national scale is being adjusted and markets are no doubt influenced thereby. But the triple & is only one small part of the responsibility of Extension Work. All the accumulated assignments of past years remain at the doorstep of the Extension Office.

7. Extension work offers a great challenge to men and women as a life profession. Until I began doing extension work five months ago, I knew very little about the work. Yet in this short time I have found the work to be most interesting. There is certainly as great a need in the extension service for men and women who have the interests of the people with whom they work at heart, as in any other field which exists today. The problems of the farm people will be ever present and as a group the people are very appreciative of those who show a desire to help them.

Note: Sections one through six were prepared by County Agent R. L. Sloan. Section seven was prepared by the Home Agent, Mrs. Laure T. Russell.