

1947

1947 Newberry County Extension Service Report

Clemson University Cooperative Extension Service

P. B. Ezell

W. A. Ridgeway

A. W. Watkins

Follow this and additional works at: https://tigerprints.clemson.edu/coop_reports

Materials in this collection may be protected by copyright law (Title 17, U.S. code). Use of these materials beyond the exceptions provided for in the Fair Use and Educational Use clauses of the U.S. Copyright Law may violate federal law.

For additional rights information, please contact Kirstin O'Keefe ([kokeefe \[at\] clemson \[dot\] edu](mailto:kokeefe@clemson.edu))

For additional information about the collections, please contact the Special Collections and Archives by phone at 864.656.3031 or via email at [cuscl \[at\] clemson \[dot\] edu](mailto:cuscl@clemson.edu)

Recommended Citation

Cooperative Extension Service, Clemson University; Ezell, P. B.; Ridgeway, W. A.; and Watkins, A. W., "1947 Newberry County Extension Service Report" (1947). *Cooperative Annual Reports*. 94.
https://tigerprints.clemson.edu/coop_reports/94

This Article is brought to you for free and open access by the Clemson Cooperative Extension at TigerPrints. It has been accepted for inclusion in Cooperative Annual Reports by an authorized administrator of TigerPrints. For more information, please contact kokeefe@clemson.edu.

ANNUAL REPORT

COUNTY AGENT WORK

Newberry
County

SOUTH CAROLINA

1947

P. B. Ezell

County Agent

W. A. Ridgeway

Assistant County Agent

Assistant County Agent

A. W. Watkins

Farm Labor Assistant

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina

TABLE OF CONTENTS

<u>ITEM</u>	<u>PAGE</u>
Summary of Activities and Accomplishments	1 - 2
County Extension Organization	3
County, Community and Neighborhood Organizations of Volunteer Farm and Home Leaders	4 - 7
Accomplishments in county 1947	8 - 9
<u>Project Activities and Results</u>	
<u>Agricultural Economics--</u>	
Complete farm records	10
A comparison of TVA farms	11 - 14
Unit test	15
Map showing location of farms	16
TVA phosphate & lime used on TVA farms	17
Master of Farm Family Award	18 - 22
<u>Agricultural Engineering--</u>	
Terracing, Farm Buildings, Machinery, Freezer Locker, s Enrichment Equipment	23
Dynamite Ditching demonstrations	24
Rural Electrification	25
<u>Agronomy--</u>	
Cotton and wheat production	26
Oat and corn and milo production	27
Silage, Lespedeza production	28
Pasture demonstration	29
Alfalfa demonstration	29
Annual grazing	30
Alfalfa pictures	31 - 32
<u>Animal Husbandry--</u>	33
<u>Dairying--</u>	
Purebred sires	34
Summary of Purebred Dairy cows and Heifer	35
Purebred bull Service demonstrations	35
Newberry Creamery	36
Miscellaneous	37
Newberry Dairy Cooperative	38
Map showing location of purebred dairy bulls	39

Entomology and Pathology-

Method and control of insects, etc.	40 - 43
Beekkeeping	44

Forestry-

Pulpwood and lumber procurement program	45 - 47
Selective Marked and Talled	48
Picture of pulpwood loading point	49

4-H Club Work-

Summary of enrollment and completions	50 - 51
Summary of 4-H demonstrations	52 - 56
4-H information, miscellaneous	57
4-H Fair winnings	58 - 61
4-H Forestry	62
4-H Council Program	63

Horticulture-

Sweet potatoes and peach	64
--------------------------	----

Marketing-

Marketing of surplus and farm products	65
--	----

Poultry-

Hatcheries	66
Poultry and egg production	67

Publicity-

Summary of Publicity, circular letters, news articles, and bulletins distributed	68
--	----

Farm Labor-

Narrative report	69 - 72
------------------	---------

Specimen copies of circular letters and News articles	73
---	----

SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

General Activities-

1.	Days agents spent in office	160½
2.	Days agents spent in field	413½
3.	Days agents worked	574
4.	Miles agents traveled	15,945
5.	Farm visits	1,336
6.	Different farms visited	411
7.	Office calls at agent's office	4,545
8.	Telephone calls at Agents' office	2,751
9.	Meetings held or attended	231
10.	Attendance at these meetings	7,567
11.	Number communities in which extension work conducted	12
12.	Number voluntary community leaders assisting with extension program	117

PROJECT ACTIVITIES AND RESULTS

Agricultural Economics-

Twenty-one complete farm records are kept. Unit test demonstrations were submitted for 35 tons of triple superphosphate for 21 demonstration farms. Master Farm Family award was won by the I.M. Smiths.

Agricultural Engineering-

1065 acres were terraced on 127 farms during the year. Assisted farmers with plans for 20 poultry houses, 5 self-feeders, 6 dairy barns, 9 upright silos, 15 hog houses, and 8 general purpose barns. Cooperated with Newberry Electric Cooperative in securing electricity for farm use. One 60 locker freezer locker plant and 6 enrichment feeders now in operation.

Agronomy-

Twenty-one complete farm demonstrations on Unit Test farms. 4 oats demonstrations, 14 alfalfa, 4 wheat, 1 barley also permanent pasture and annual grazing.

Animal Husbandry-

Placed 16 purebred beef bulls valued at \$2,900.00 and 12 cows and heifers at \$2,350.00

Dairying-

Thirteen purebred dairy bulls were placed in the county in 1947. Nine upright silos were constructed. One whole milk plant operating with eight routes. One creamery operated with three routes in the county. One grade-A Milk Plant now operation.

Entomology and Plant Pathology-

Practically all farmers have planted smut resisting oats. Instruction have been given to farmers as to worming and delousing cattle by using phenothiazine. Many farmers used sabdilla to control harlequin bugs on collards. Demonstrated DDT on livestock and in barns in every section of county. Made boll weevil infestation checks. Plans were completed for rat campaign.

Forestry-

Eighteen farmers had their timber selectively marked and tallied.

4-H Club Work-

4-H clubs were organized and work carried on in 12 communities, with 210 members. 147 records were completed in corn, cotton, garden, watermelons, potatoes, wheat, forestry, bees, broilers, dairy and beef calves and swine. Poultry contest was conducted with seven boys.

Horticulture-

One demonstration was completed in sweet potatoes and assistance given to farmers as to pruning and spraying orchards.

Marketing-

The county agents assisted farmers in purchasing and selling of products valued at \$538,615.06.

Poultry-

Twenty-six farmers reported poultry, turkey and egg production of \$74,428.14.

Publicity-

A total of 716 personal letters written, 43 circular letters prepared with 15,114 copies mailed and 53 press articles published, also 4,471 bulletins distributed.

Farm Labor-

Farmers throughout the county were assisted in obtaining much needed labor, also rendered assistance in training tractors owners and operators.

EXTENSION ORGANIZATION IN THE COUNTY

Present Extension Staff --

(White Agents)

P.B. Ezell, County Agent
Ethel L. Counts, County Home Demonstration Agent
Jane Winn, Asst. Home Demonstration Agent
A.W. Watkins, County Labor Assistant

(Negro Agents)

S.B. Marshall, Negro County Agent
Lillian Saunders, Negro County Home Demonstration Agent

The County Agents cooperated with the negro home demonstration agent and the negro county agent in their program of work with the negro farm people of the county, aiding them in developing subject matter, demonstrations, and assisting them in obtaining specialist help.

Other Cooperating Agencies

Members of the Newberry Coungricultural Committee, already outstanding farm leaders of their respective communities, bear the responsibility of finding out the real interest of agriculture and of seeing that proper leadership is developed to express and carry out real agricultural interests. Further responsibility is theirs to see that the county and community in which they live represents a cross section of any national program developed in the interest of agricultural living.

In addition to the County Agricultural Committee, the following listed organizations have cooperated with the county agents in planning and carrying out the 1947 program of extension work:

County Council of Farm Women
4-H Leaders
Agricultural Conservation Association
U.S. Forestry Service
Chamber of Commerce
Principals and Trustees of Schools
Dairy Association
Health Units
Farm Bureau
Beekeepers Association
Home Demonstrations Clubs
Newberry Fair Association

I. COUNTY, COMMUNITY AND NEIGHBORHOOD ORGANIZATION OF VOLUNTEER FARM AND HOME LEADERS.

1. Newberry County Agricultural Committee:

a. The Newberry County Agricultural Committee with representative members from all communities of the county was selected from neighborhood committees. This committee represents all phases of agriculture and consists of both men and women from land owned and tenants farms.

b. List of Newberry County Agricultural Committee and addresses-

Amick, J.E.	R-3, Prosperity, S.C.
Amis, T.B.	R-2, Kinards, S.C.
Abrams, Mrs. J.W.	R-3, Newberry, S.C.
Boozer, J.P.	Chappells, S.C.
Bozard, Mrs. W.D.	R-1, Silverstreet, S.C.
Brown, James D.	R-1, Newberry, S.C.
Ballentine, William	R-3, Newberry, S.C.
Chandler, L. Edward	R-1, Newberry, S.C.
Connelly, M.L.	Chappells, S.C.
Counts, Mrs. J.O.	Little Mountain, S.C.
Carlisle, R.C.	R-1, Newberry, S.C.
Crosson, A.N.	R-3, Newberry, S.C.
Dennis, Z.W.	R-4, Newberry, S.C.
Dick, I.B., Jr.	R-1, Newberry, S.C.
Epps, Furman	Newberry, S.C.
Epting, Carl H.	R-3, Prosperity, S.C.
Epting, J.C., Jr.	Little Mountain, S.C.
Folk, Mrs. J.H.	Pomaria, S.C.
George, Ross	R-3, Prosperity, S.C.
Halfacre, Mrs. D.S.	R-1, Newberry, S.C.
Harris, P.T.	Silverstreet, S.C.
Hawkins, J.F.	R-4, Newberry, S.C.
Jenkins, Mike	R-1, Whitmire, S.C.
Johnson, Mrs. Rosea	R-3, Newberry, S.C.
Long, Mrs. B.O.	R-4, Newberry, S.C.
Long, H.O.	Silverstreet, S.C.
Lester, C.L.	R-4, Newberry, S.C.
Lovelace, B.O.	R-3, Prosperity, S.C.
Lominick, O.H.	Pomaria, S.C.
Maybin, A.H.	R-2, Whitmire, S.C.
Miller, Miss Ola	R-2, Kinards, S.C.
Mills, T. M.	R-1, Prosperity, S.C.
Neel, R.C., Jr.	Silverstreet, S.C.
Oxner, Hobace	Kinards, S.C.
Parr, C.B., Sr.	R-3, Newberry, S.C.
Price, Mrs. Claude	R-1, Newberry, S.C.
Ruff, Mrs. Marvin	R-2, Newberry, S.C.
Ruff, H.H.	Newberry, S.C.
Reese, A.E.	R-1, Newberry, S.C.
Ringer, Mrs. Raymond	Pomaria, S.C.

Senn, Mrs. W.E.
Scurry, J.F.
Shealy, Mrs. Ernest
Shealy, J.M.
Shealy, L.M.
Smith, C.T.
Suber, Otis P.
Watkins, A.W.

R-3, Newberry, S.C.
Chappells, S.C.
R-2, Pomaria, S.C.
Pomaria, S.C.
Little Mountain, S.C.
Kinards, S.C.
Whitmire, S.C.
Chappells, S.C.

c. The duties of this committee are to deal with all phases of agriculture in the county and to take part in all activities, both educational and action activities.

The Newberry County Agricultural Committee rendered a most valuable service in working out the agricultural program for the county. A careful study of statistics regarding crop acreage and yields, numbers and production of the various classes of livestock, farm income and home and farm needs was made. These studies, together with the committee's intimate knowledge of the agriculture of the county enabled us to work out a program which we feel is sound. The counsel of district farm and home demonstrations agents and extension specialist was also obtained.

The immediate and long-time objective for the Newberry County Agricultural Program as adopted by the Newberry County Agricultural Committee is as follows:

1. Plan the farm to make the best use of land, labor and equipment, and to meet changing conditions.
2. Improve soils through proper fertilization, liming, and adequate soil conservation and soil building practices.
3. Extend the efficient use of improved farm machinery and farm and home equipment and rural electrification.
4. Continue to improve home food production and conservation for better nutrition.
5. Increase acreage of improved permanent pastures and annual grazing crops. Produce higher yields per acre of corn, oats, hay, silage and other feed crops.
6. Continue to develop a larger permanent income from hogs, beef cattle, dairy products, chickens and turkeys through better breeding stock, closer culling and improved feeding and marketing.
7. To meet competition from other areas and other fibers, produce higher yields per acre at lower cost per pound. Improve staple length and quality. Improve ginning. Expand grade and staple service in marketing.

8. Improve methods of production and marketing of peaches, sweet potatoes, Irish potatoes, and other fruit and truck crops.
9. Take care of the farm woodlands, and do a better job in marketing the products. Reforest lands best suited to trees.
10. Increase production and distribution of high quality seeds and plants, including certified seed, for additional income and to aid in efficient crop production.
11. Use up-to-date methods in fighting crop and livestock insects, diseases and parasites; household insects, rats and other pest.
12. Plan and improve farm homes and other buildings for health and efficiency.
13. Further develop 4-H club work to train South Carolina farm boys and girls in improved farming, homemaking, health and citizenship.
14. Develop more adequate rural health and recreational facilities.

d. Other subcommittees:

1. The State Agricultural Committee - Two members of the County Agricultural Committee are elected annually to serve on a State Agricultural Committee. Mr. C.T. Smith and Mrs. B.O. Long were elected to serve in 1948.

2. The Newberry County Agricultural Labor Committee -

Mrs. W.E. Senn	R-3, Newberry, S.C.
Mrs. Rosa Johnson	R-3, Newberry, S.C.
Mr. H.O. Long	Silverstreet, S.C.
Mr. Z.W. Dennis	Silverstreet, S.C.
Mr. H.H. Ruff	Newberry, S.C.

This committee is on call from County Agent and County Labor Assistant and worked out detail plans for obtaining all available labor and farm machine for the harvesting of crops and planting fall small grains.

3. The Veterans Committee -

Mrs. B.O. Long	R-4, Newberry, S.C.
O.H. Lominick	Pomaria, S.C.
C.B. Parr, Sr.	R-3, Newberry, S.C.
C.T. Smith	Kinards, S.C.

This committee is available to assist veterans in many ways. They have been of assistance in farm purchasing and advising veterans as to assistance under the GI bill of rights.

2. Community Agricultural Committees and Neighborhood Leaders:

<u>Community</u>	<u>Neighborhood</u>	<u>Number of Leaders</u>
MOON	Chappells	4
	Mudlick	3
	Oldtown	4
FLOYD	Bush River	5
	Little River	3
REEDER	Kinards	2
	Jalapa	6
CROMER	Whitmire	1
	Mollohon	4
MAYBINTON	Maybinton	5
	Mt. Pleasant	3
CALDWELL	Long Lane	8
	Mt. Bethel Garmany	7
NEWBERRY	Tranwood	5
	Helena	3
	Johnstone	4
	Prosperity	4
MENDENHALL	Smyrna	4
	Elisha	3
	Hartford	7
	Silverstreet	7
	Stoney Hill	6
HELLER	New Hope Zion	9
	St. Phillips	5
	Pomaria	3
	Pressley	4
CANNON	Jolly Street	8
	Little Mountain	6
STONEY BATTERY	Fairview	10
	O'Neal	8
	Wheeland	2
TOWNSHIP NO. 12	Peak	3

ACCOMPLISHMENTS IN NEWBERRY COUNTY

The 1945 Census shows the following changes--

During the past 5-year period significant changes occurred in the acreage and production of important crops. The acreage of oats increased 10% and barley increased 135%. The acreage of lespedeza cut for hay increased 99%. The acreage of lespedeza harvested for seed increased 142%.

Significant changes also occurred in the numbers of certain classes of livestock and poultry. The total number of cattle and calves increased 41%. The number of cows and heifers two years old and over increased 34%, while the number of cows and heifers milked increased 9%. In 1945, milk cows were reported on 72% of the farms. There was an increase of 340% in the number of farms reporting whole milk sold. The volume of whole milk sold increased from 228,948 gallons to 665,215 gallons.

There was an increase of 5% in the total number of hogs and pigs during the period 1940-45. During this same period, the number of chickens increased 15% and the number of turkeys raised increased 262%. In 1945, hogs were reported on 79 percent and chickens were reported on 91% of the farms.

Other records show the following changes--

Approximately twenty-three thousand acres of permanent pasture have been improved by one or more practices as recommended in the long time agricultural plan of work.

With AAA assistance 60% of all land needing lime has been treated during the past nine years.

Practically all farms are now being served by either cream or whole milk routes. Poultry and egg truck routes are, also, serving approximately one-half of Newberry county.

In cooperation with the Lower Saluda District, the Soil Conservation Service and the County Agricultural Terracing Board, we estimate that 55 thousand acres of terraces have been constructed during the past 11 years.

The quality of cattle is being improved by the addition of selected breeding stock that has been placed in practically every neighborhood. During the last 6 years 10 dairy bulls and 48 beef bulls were placed. We, are also, cooperating with the County Fair Officials in an effort to improve the quality and number of cattle and hogs at the Newberry County Fairs.

A successful alfalfa contest was conducted in 1946 on 14 plots. The highest yielding acre plot produced 6.7 tons of hay. The fice cuttings from this contest plot placed end to end measured 9 feet and 9 inches. The fourteen plots averaged 5.2 tons of hay per acre. This contest has resulted in a large number of farmers seeding alfalfa .

Twenty-two complete farm records are kept. Unit Test demonstrations were submitted for 40 tons of triple superphosphate for 22 demonstration farms. These Unit Test demonstrations are conducted in cooperation with TVA Authorities. A large number of building plans of all type buildings and silos have been furnished farmers. Twelve 5-A cotton contest demonstrations have been completed.

Disease and insect control of livestock were given special attention. Demonstrations with DDT spray has been conducted in practically all neighborhoods. Regular monthly beekeepers meetings were held during production season and a tour to Tanquary Nursery was conducted.

Marketing work with livestock, poultry and special crops were given attention.

All request for pulpwood and timber cruising have been meet either by Extension or District Foresters.

We have cooperated with seed certification officials in certification of farm seed in order that improved seed be put on the market.

All farm labor request and training of 4-H club members and adults has been meet by the farm labor assistants. A farm and Home Labor Saving Show was conducted with an attendance of 1755.

II. PROJECT ACTIVITIES AND RESULTS

AGRICULTURAL ECONOMICS -

Work in agricultural economics and farm management in 1947 included outlook meetings, complete farm records, complete farm and home accounts, cooperation with Farm Credit agencies and farm planning demonstrations.

Complete Farm Records: Twenty Newberry County farmers kept complete farm records on their operations in 1947. These records will be submitted to the Extension Farm Management division for summary and analysis, the results of which, when available will be used in connection with corresponding records from other counties having a similar type of farming as a source of factual material for extension work in farm management, and in program planning in Newberry county.

A list of the twenty farmers keeping complete farm records is given as follows:

<u>Name</u>	<u>Address</u>	<u>Size of Farm - A.</u>	<u>Predominant Type of farming</u>
J.W. Abrams	R-3, Newberry	222	Cotton-swine-cattle
T.B. Amis	R-2, Kinards	415	Beef cattle-turkeys
Wm. Ballentine	R-3, Newberry	160	Cotton-hogs-poultry
L. Edward Chandler	R-1, Newberry	172	Cotton-poultry
A.N. Crosson	R-4, Newberry	339	Cotton-corn-grain
W.E. Dominick	Silverstreet	187	Cotton-corn-grain
A.H. Hawkins	Prosperity	87	Cotton-poultry-cattle
Waldo Halfacre	R-1, Newberry	101	Cotton-cattle-grain
P.T. Harris	Silverstreet	335	Cattle-grain
H.J. Leaphart	R-2, Prosperity	246	Cotton-grain-corn
Paul H. Long	R-3, Newberry	334	Cotton-dairy
B.O. Lovelace	R-3, Prosperity	233	Dairy-grain-poultry
T.C. Neel	Newberry	241	Dairy-hay
W.E. Senn	R-3, Newberry	423	Dairy-cotton
Willie J. Suber	R-3, Pomaria	343	Cotton-swine-dairy
Frank Stewart	Chappells	294	Cotton-cattle-hogs
Henry L. Shealy	R-4, Newberry	41	Cotton-corn-grain
L.M. Shealy	Lt. Mountain	130	Cotton-corn-grain
Ralph Whitaker	Newberry	520	Dairy-hogs-grain
Virgil Williamson	R-2, Pomaria	109	Cotton-poultry-hogs

A comparison of Unit Test-demonstrations farms of Newberry County for 1946 will be found on the following page:

Item	(1)	(2)	(3)	(4)	(5)
Labor income, dollars	657	56	291.2	1220	1878
Receipts, dollars	1,754	7137	6917	1,065	1,837
Expenses, dollars	1,138	6275	3,113	2,115	2,959
Farm income, dollars	316	862	2,175	1,620	1,563
Farm income per \$100 invested, dollars	1	1	26	16	24
Receipts per \$100 invested, dollars	19	35	52	17	61
SIZE:					
Crop acres	159	120	86	61	75
Crop acres and open pasture	164	215	106	75	91
Total acres in farm	222	1003	162	180	200
Acres of crops	224	155	129	102	109
Investment	24,332	20,141	13,316	9,991	7,869
Work animals	0	2.5	2.0	2.0	1.0
Man-work units, total	1006	770	886	283	559
Animal units, productive	61.7	58.3	29.1	7.3	4.2
PRODUCTIVITY:					
Crop yield index	184	70	161	124	99
Cash crop yield index	-	-	-	119	103
Lint cotton per acre, pounds	-	-	-	297	297
Yield corn per acre, bushels	35	-	28	30	14
Yield oats per acre, bushels	-	-	38	30	45
Yield wheat per acre, bushels	-	-	-	25	20
Yield hay per acre, tons	-	1.3	1.9	2.0	-
Yield sweet potatoes per acre, bu.	-	-	-	-	-
Dairy sales per cow, dollars	0	0	30.8	13	17
Income per sow, dollars	0	0	0	0	0
Egg income per hen, dollars	1.0	0	1.88	1.45	6.12
LABOR EFFICIENCY:					
Man-work units per man	649	616	633	277	126
Percent work done by sharecroppers	0	0	0	0	74
Horse-work units per horse	210	146	83	54	109
LAND EFFICIENCY:					
Percent of farm in cropland and open pasture	74	24	65	42	46
Acres of crops per cultivated acre	1.41	1.29	1.5	1.67	1.45
DIVERSITY:					
Percent of receipts from cotton	0	0	0	20	53
Percent of receipts from livestock	86	62	83	21	14
Acres of cropland per animal unit	2.6	2.1	3.0	8.4	17.9
Acres of open pasture per A. U. (cattle)	0.8	2.5	0.7	2.8	11.6
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:					
Milk cows	1.0	0	17.0	3.0	3.0
Other dairy cattle	0.0	0	18.5	0.5	1.0
Beef cows	50.0	33.0	0	0.0	0.0
Other beef cattle	19.0	38.0	0	1.0	0.0
Brood sows	1.0	0	0	0.5	0
Other hogs	3.0	0	2.0	9.0	0
Hens	110.0	0	210	32	73
Other poultry	0	0	0	9	0

A Comparison of Unit Test-Demonstration Farms of Newberry County, 1916-7

Item	(6)	(7)	(8)	(9)	(10)
Labor income, dollars	<u>2332</u>	<u>1471</u>	<u>222</u>	<u>1064</u>	<u>843</u>
Receipts, dollars	<u>3495</u>	<u>3090</u>	<u>1168</u>	<u>2835</u>	<u>2825</u>
Expenses, dollars	<u>920</u>	<u>1274</u>	<u>3569</u>	<u>1613</u>	<u>1656</u>
Farm income, dollars	<u>2575</u>	<u>1815</u>	<u>600</u>	<u>1222</u>	<u>1169</u>
Farm income per \$100 invested, dollars	<u>42</u>	<u>21</u>	<u>3</u>	<u>31</u>	<u>14</u>
Receipts per \$100 invested, dollars	<u>57</u>	<u>36</u>	<u>20</u>	<u>72</u>	<u>35</u>
SIZE:					
Crop acres	<u>53</u>	<u>63</u>	<u>110</u>	<u>27</u>	<u>70</u>
Crop acres and open pasture	<u>73</u>	<u>71</u>	<u>125</u>	<u>35</u>	<u>81</u>
Total acres in farm	<u>130</u>	<u>101</u>	<u>335</u>	<u>88</u>	<u>180</u>
Acres of crops	<u>70</u>	<u>81</u>	<u>171</u>	<u>32</u>	<u>87</u>
Investment	<u>6085</u>	<u>8607</u>	<u>20538</u>	<u>3951</u>	<u>8138</u>
Work animals	<u>2.0</u>	<u>2.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>
Man-work units, total	<u>339</u>	<u>535</u>	<u>374</u>	<u>244</u>	<u>641</u>
Animal units, productive	<u>5.4</u>	<u>8.6</u>	<u>12.6</u>	<u>1.9</u>	<u>6.0</u>
PRODUCTIVITY:					
Crop yield index	<u>133</u>	<u>100</u>	<u>80</u>	<u>131</u>	<u>127</u>
Cash crop yield index	<u>144</u>	<u>100</u>	<u>80</u>	<u>140</u>	<u>133</u>
Lint cotton per acre, pounds	<u>430</u>	<u>391</u>	<u>-</u>	<u>478</u>	<u>474</u>
Yield corn per acre, bushels	<u>20</u>	<u>15</u>	<u>-</u>	<u>30</u>	<u>27</u>
Yield oats per acre, bushels	<u>50</u>	<u>40</u>	<u>16</u>	<u>50</u>	<u>34</u>
Yield wheat per acre, bushels	<u>-</u>	<u>16</u>	<u>10</u>	<u>17</u>	<u>18</u>
Yield hay per acre, tons	<u>1.1</u>	<u>1.0</u>	<u>1.5</u>	<u>0.8</u>	<u>1.0</u>
Yield sweet potatoes per acre, bu.	<u>-</u>	<u>280</u>	<u>-</u>	<u>-</u>	<u>-</u>
Dairy sales per cow, dollars	<u>62</u>	<u>0</u>	<u>206</u>	<u>324</u>	<u>231</u>
Income per sow, dollars	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Egg income per hen, dollars	<u>0.94</u>	<u>4.79</u>	<u>0</u>	<u>4.43</u>	<u>2.01</u>
LABOR EFFICIENCY:					
Man-work units per man	<u>292</u>	<u>372</u>	<u>181</u>	<u>34</u>	<u>326</u>
Percent work done by sharecroppers	<u>0</u>	<u>68</u>	<u>0</u>	<u>83</u>	<u>36</u>
Horse-work units per horse	<u>96</u>	<u>73</u>	<u>70</u>	<u>61</u>	<u>108</u>
LAND EFFICIENCY:					
Percent of farm in cropland and open pasture	<u>56</u>	<u>70</u>	<u>37</u>	<u>40</u>	<u>45</u>
Acres of crops per cultivated acre	<u>1.32</u>	<u>1.29</u>	<u>1.55</u>	<u>1.19</u>	<u>1.24</u>
DIVERSITY:					
Percent of receipts from cotton	<u>36</u>	<u>20</u>	<u>0</u>	<u>66</u>	<u>51</u>
Percent of receipts from livestock	<u>9</u>	<u>18</u>	<u>45</u>	<u>16</u>	<u>32</u>
Acres of cropland per animal unit	<u>9.8</u>	<u>7.3</u>	<u>8.7</u>	<u>14.2</u>	<u>11.7</u>
Acres of open pasture per A. U. (cattle)	<u>5.3</u>	<u>1.0</u>	<u>1.2</u>	<u>5.3</u>	<u>2.3</u>
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:					
Milk cows	<u>3.0</u>	<u>4.5</u>	<u>8.5</u>	<u>1.5</u>	<u>3.5</u>
Other dairy cattle	<u>2.0</u>	<u>5.5</u>	<u>7.0</u>	<u>0</u>	<u>2.0</u>
Beef cows	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Other beef cattle	<u>0</u>	<u>2.0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Brood sows	<u>1.0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Other hogs	<u>3.0</u>	<u>2.5</u>	<u>0</u>	<u>0</u>	<u>3.5</u>
Hens	<u>79</u>	<u>43</u>	<u>14</u>	<u>35</u>	<u>52</u>
Other poultry	<u>10</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

A Comparison of Unit Test-Demonstration Farms of Newberry County, 1946

Item	(1)	(2)	(3)	(4)	(5)
Labor income, dollars	274	29	458	1076	1073
Receipts, dollars	2820	2631	30786	33057	2537
Expenses, dollars	2194	2260	29545	30012	1154
Farm income, dollars	626	371	1241	3044	1383
Farm income per \$100 invested, dollars	7	4	6	6	18
Receipts per \$100 invested, dollars	32	31	157	67	33
SIZE:					
Crop acres	64	52	113	425	33
Crop acres and open pasture	79	77	175	500	47
Total acres in farm	198	156	234	620	117
Acres of crops	110	52	173	615	37
Investment	8777	8550	19571	49208	7743
Work animals	2.0	1.5	1.0	7.0	2.0
Man-work units, total	413	631	1494	3282	264
Animal units, productive	7.8	20.5	59.1	91.2	9.1
PRODUCTIVITY:					
Crop yield index	120	119	117	101	125
Cash crop yield index	134	86	-	80	124
Lint cotton per acre, pounds	480	299	-	287	400
Yield corn per acre, bushels	14	18	-	15	20
Yield oats per acre, bushels	28	39	-	23	35
Yield wheat per acre, bushels	18	18	-	20	28
Yield hay per acre, tons	1.0	-	1.0	1.3	2.0
Yield sweet potatoes per acre, bu.	-	-	-	-	-
Dairy sales per cow, dollars	0	116	686	442	12
Income per sow, dollars	0	0	0	0	0
Egg income per hen, dollars	3.44	2.23	0	0	3.97
LABOR EFFICIENCY:					
Man-work units per man	362	261	72	274	115
Percent work done by sharecroppers	49	24	0	0	0
Horse-work units per horse	119	56	87	113	71
LAND EFFICIENCY:					
Percent of farm in cropland and open pasture	40	49	75	81	40
Acres of crops per cultivated acre	1.72	1.00	1.53	1.45	1.12
DIVERSITY:					
Percent of receipts from cotton	65	34	0	2	29
Percent of receipts from livestock	15	59	88	97	60
Acres of cropland per animal unit	8.2	2.5	1.9	4.7	3.6
Acres of open pasture per A. U. (cattle)	2.2	1.4	1.1	0.9	1.8
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:					
Milk cows	4.0	12.0	40.0	64.0	4.5
Other dairy cattle	10.0	12.0	35.5	37.0	3.0
Beef cows	0	0	0	0	0
Other beef cattle	0	0	0	0	2.0
Brood sows	0	1.0	0	3.0	0.5
Other hogs	0	5.0	1.0	29.0	4.5
Hens	90	80	60	77	52
Other poultry	0	1	0	0	0

A Comparison of Unit Test-Demonstration Farms of Newberry

County, 1946

Item	(16)	(17)	(18)	(19)	(20)
Labor income, dollars	<u>-654</u>	<u>1514</u>	<u>3244</u>	<u>-2838</u>	<u>1360</u>
Receipts, dollars	<u>787</u>	<u>4157</u>	<u>10245</u>	<u>11074</u>	<u>2659</u>
Expenses, dollars	<u>986</u>	<u>2067</u>	<u>6160</u>	<u>14884</u>	<u>1107</u>
Farm income, dollars	<u>-189</u>	<u>2090</u>	<u>4085</u>	<u>-810</u>	<u>1552</u>
Farm income per \$100 invested, dollars	<u>- 2</u>	<u>15</u>	<u>19</u>	<u>- 2</u>	<u>32</u>
Receipts per \$100 invested, dollars	<u>7</u>	<u>29</u>	<u>49</u>	<u>28</u>	<u>55</u>
SIZE:					
Crop acres	<u>79</u>	<u>147</u>	<u>222</u>	<u>315</u>	<u>46</u>
Crop acres and open pasture	<u>104</u>	<u>158</u>	<u>328</u>	<u>415</u>	<u>58</u>
Total acres in farm	<u>119</u>	<u>350</u>	<u>529</u>	<u>523</u>	<u>109</u>
Acres of crops	<u>79</u>	<u>172</u>	<u>308</u>	<u>425</u>	<u>46</u>
Investment	<u>11630</u>	<u>11401</u>	<u>21032</u>	<u>50701</u>	<u>4797</u>
Work animals	<u>2.0</u>	<u>2.0</u>	<u>4.0</u>	<u>2.0</u>	<u>1.0</u>
Man-work units, total	<u>221</u>	<u>485</u>	<u>1747</u>	<u>3665</u>	<u>362</u>
Animal units, productive	<u>4.9</u>	<u>14.7</u>	<u>41.4</u>	<u>120.1</u>	<u>10.7</u>
PRODUCTIVITY:					
Crop yield index	<u>74</u>	<u>116</u>	<u>97</u>	<u>75</u>	<u>90</u>
Cash crop yield index	<u>69</u>	<u>216</u>	<u>126</u>	<u>86</u>	<u>88</u>
Lint cotton per acre, pounds	<u>-</u>	<u>-</u>	<u>454</u>	<u>-</u>	<u>276</u>
Yield corn per acre, bushels	<u>18</u>	<u>20</u>	<u>20</u>	<u>15</u>	<u>20</u>
Yield oats per acre, bushels	<u>20</u>	<u>40</u>	<u>30</u>	<u>25</u>	<u>23</u>
Yield wheat per acre, bushels	<u>12</u>	<u>-</u>	<u>12</u>	<u>12</u>	<u>16</u>
Yield hay per acre, tons	<u>-</u>	<u>0.7</u>	<u>0.5</u>	<u>0.6</u>	<u>1.0</u>
Yield sweet potatoes per acre, bu.	<u>-</u>	<u>375</u>	<u>-</u>	<u>-</u>	<u>-</u>
Dairy sales per cow, dollars	<u>0</u>	<u>0</u>	<u>110</u>	<u>100</u>	<u>120</u>
Income per sow, dollars	<u>0</u>	<u>0</u>	<u>133</u>	<u>0</u>	<u>0</u>
Egg income per hen, dollars	<u>0</u>	<u>0</u>	<u>5.38</u>	<u>0</u>	<u>0</u>
LABOR EFFICIENCY:					
Man-work units per man	<u>614</u>	<u>192</u>	<u>452</u>	<u>422</u>	<u>221</u>
Percent work done by sharecroppers	<u>0</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>0</u>
Horse-work units per horse	<u>47</u>	<u>78</u>	<u>141</u>	<u>259</u>	<u>142</u>
LAND EFFICIENCY:					
Percent of farm in cropland and open pasture	<u>87</u>	<u>45</u>	<u>62</u>	<u>79</u>	<u>53</u>
Acres of crops per cultivated acre	<u>1.00</u>	<u>1.17</u>	<u>1.39</u>	<u>1.35</u>	<u>1.00</u>
DIVERSITY:					
Percent of receipts from cotton	<u>0</u>	<u>0</u>	<u>13</u>	<u>0</u>	<u>16</u>
Percent of receipts from livestock	<u>4</u>	<u>12</u>	<u>51</u>	<u>72</u>	<u>61</u>
Acres of cropland per animal unit	<u>1.6</u>	<u>10.4</u>	<u>5.4</u>	<u>2.6</u>	<u>4.3</u>
Acres of open pasture per A. U. (cattle)	<u>10.5</u>	<u>0.9</u>	<u>3.2</u>	<u>1.0</u>	<u>1.5</u>
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:					
Milk cows	<u>1.5</u>	<u>5.5</u>	<u>23.0</u>	<u>88.0</u>	<u>5.5</u>
Other dairy cattle	<u>1.5</u>	<u>9.5</u>	<u>20.0</u>	<u>716.5</u>	<u>2.0</u>
Beef cows	<u>0</u>	<u>2.5</u>	<u>0</u>	<u>0</u>	<u>0</u>
Other beef cattle	<u>0.5</u>	<u>2.5</u>	<u>0</u>	<u>0</u>	<u>2.0</u>
Brood sows	<u>0.</u>	<u>0.5</u>	<u>2.0</u>	<u>11.0</u>	<u>0.5</u>
Other hogs	<u>4.0</u>	<u>11.0</u>	<u>31.0</u>	<u>101.0</u>	<u>7.5</u>
Hens	<u>167</u>	<u>72</u>	<u>281</u>	<u>0</u>	<u>84</u>
Other poultry	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

T. V. A. FARM UNIT TEST DEMONSTRATIONS

In cooperation with the Extension Service and the Tennessee Valley Authority, the county agent established 44 unit test demonstrations farms in Newberry county from October 1938 to 1947. These farms were established to demonstrate the value of a program of land-use adjustment in the interest of soil and water conservation. Crop and livestock plans were developed for each farm for a five-year period. Farmers keep a complete farm account record of their transactions each year. However, due to failure to keep this record and for other reasons, several of these men have been dropped from this work. At the present time there are 21 active demonstrators in Newberry County.

Records of the entire farm business are for the purpose of revealing to the farmer factual information which will enable him to modify his farm practices and change his farm enterprises to the end that he will raise his standard of living.

Twenty farm accounts were completed in 1946 and sent in for analysis. The records were kept by unit test-demonstration farmers representing all of the important types of farming in Newberry county.

A summary of the acreages of permanent pastures, perennial and annual legumes together with amounts of lime and phosphate and ammonium nitrate used on these farms in 1947 is given on the following page:

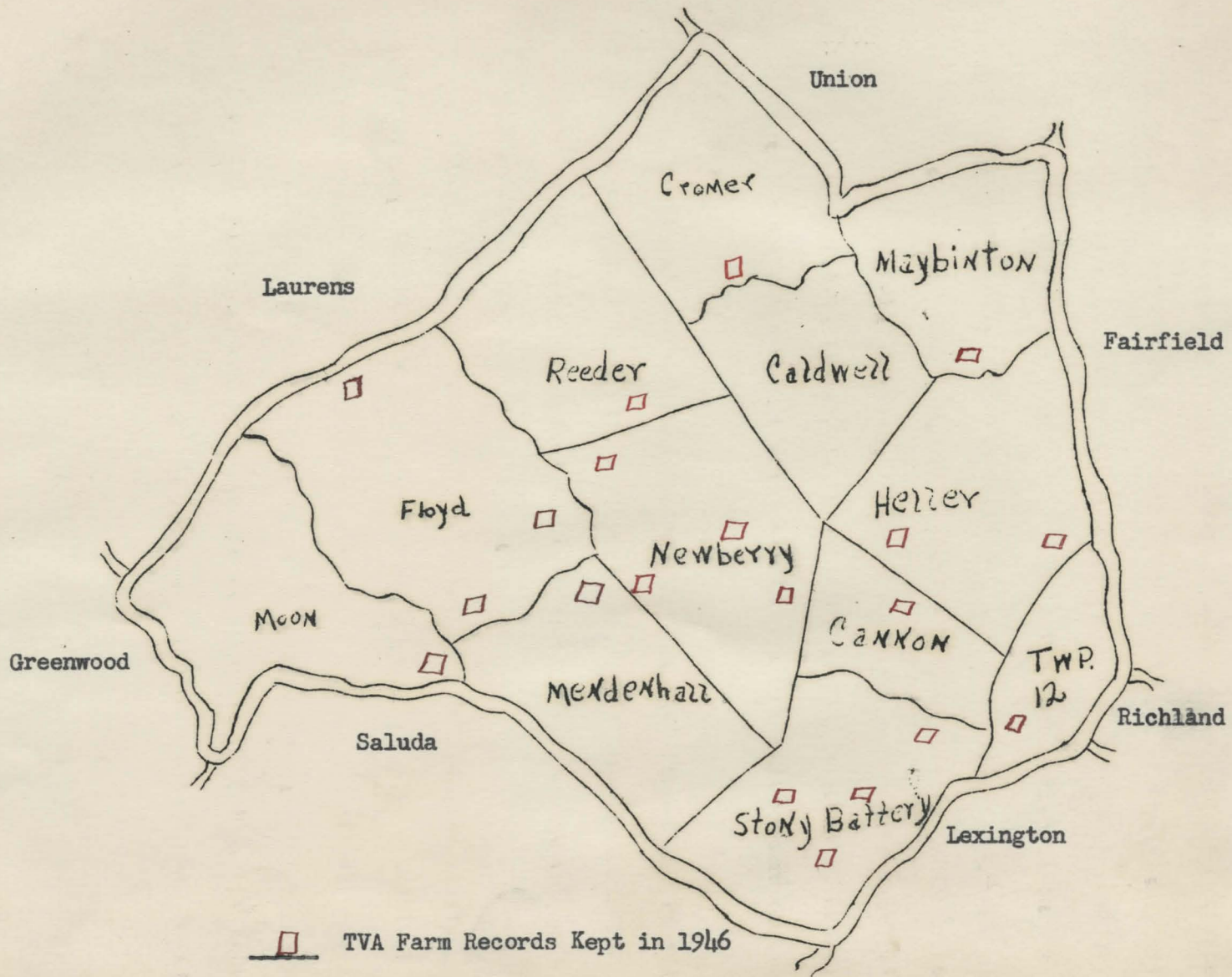
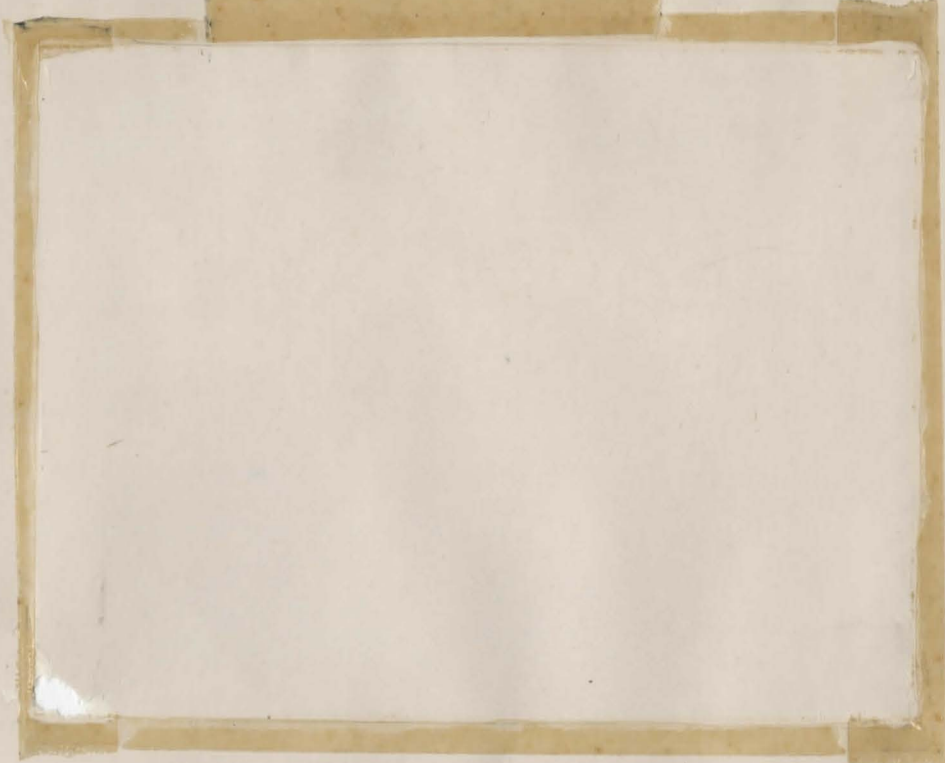


Table I. Acres of Perennial Legumes, Permanent Pasture and Annual Grazing together with the Amounts of TVA Phosphate and Lime Used on Test-Demonstrations Farms in Newberry County in 1947

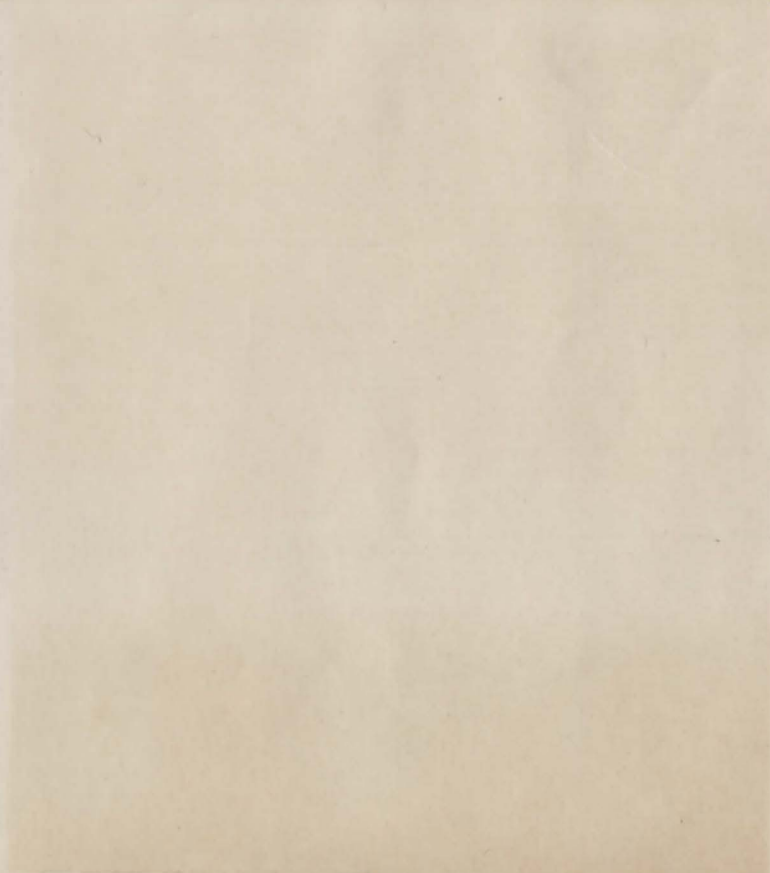
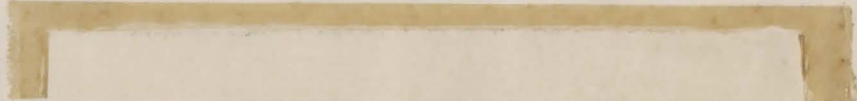
Name of Cooperator	Perennial Legumes		Permanent Pasture *		Annual Legumes	
	Acres	Lbs. of Phosphate Applied	Lbs. of Lime Applied	Acres	Lbs. of Phosphate Applied	Lbs. of Lime Applied
J.W. Abrams				16.7	5,000	1,500
T.B. Amis				16.7	5,000	72,000
William Ballentine	9.0	3,000	56,000			
L. Edward Chandler						11.9 3,000 48,000
Allen N. Cresson						10.0 3,000 48,000
Willie E. Deminick						8.3 2,500 40,000
Eddie O. Graham						10.0 2,000 24,000
Walde M. Halfacre				1.3	520	13.2 2,480
P.T. Harris						22.0 4,400 40,000
Heber J. Leaphart				3.5	1,050	12.3 2,450
Paul H. Long						10.0 3,000
B.O. Levelace				9.0	3,600	58,000
T.M. Mills						10.0 2,000 40,000
T. Collier Neel				13.3	4,000	80,000
W.E. Senn	5.0	2,000	36,000			12.5 2,500 30,000
Henry L. Shealy						20.0 2,000
L.M. Shealy						9.9 2,000 22,000
Frank B. Stewart	2.1	600		10.0	3,000	
Willie J. Suber	4.1	1,620	27,000	1.9	780	8,000
Ralph Whitaker	15.0	6,000	90,000			3.0 600 8,000
Virgil Williamson				5.2	1,566	20,000
TOTALS	35.2	13,220	209,000	77.6	24,516	239,500 154.7 32,364 306,000

* Includes Annual Grazing.

1947 MASTER FARM FAMILY

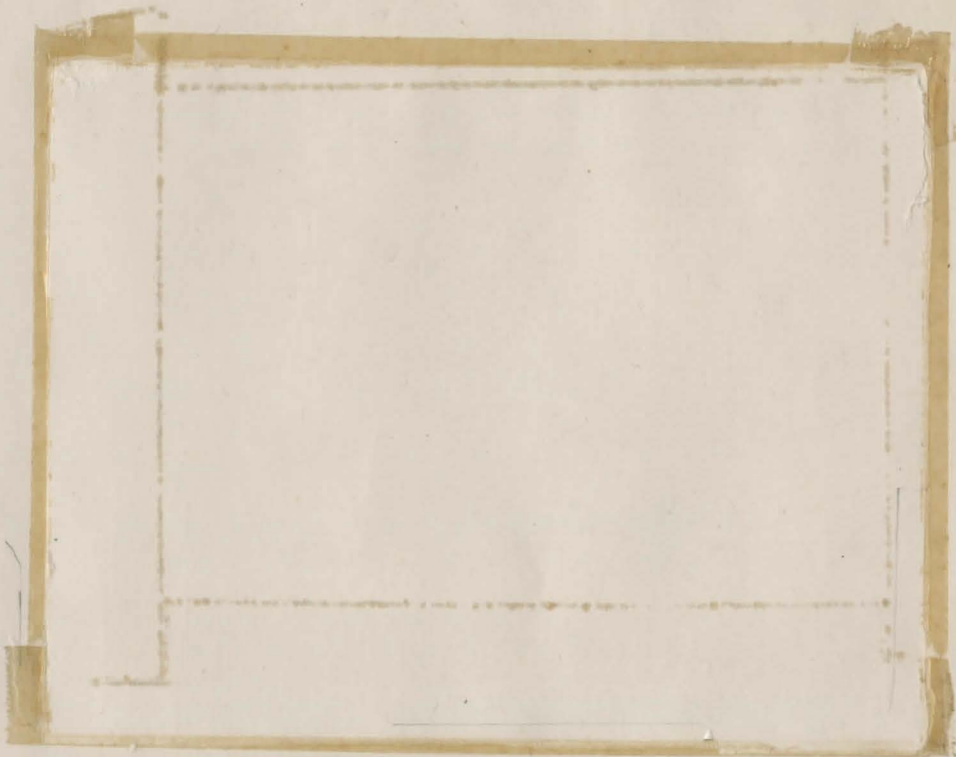


THE I.M. SMITH FAMILY
The following is a report clipped from a leading
daily newspaper.

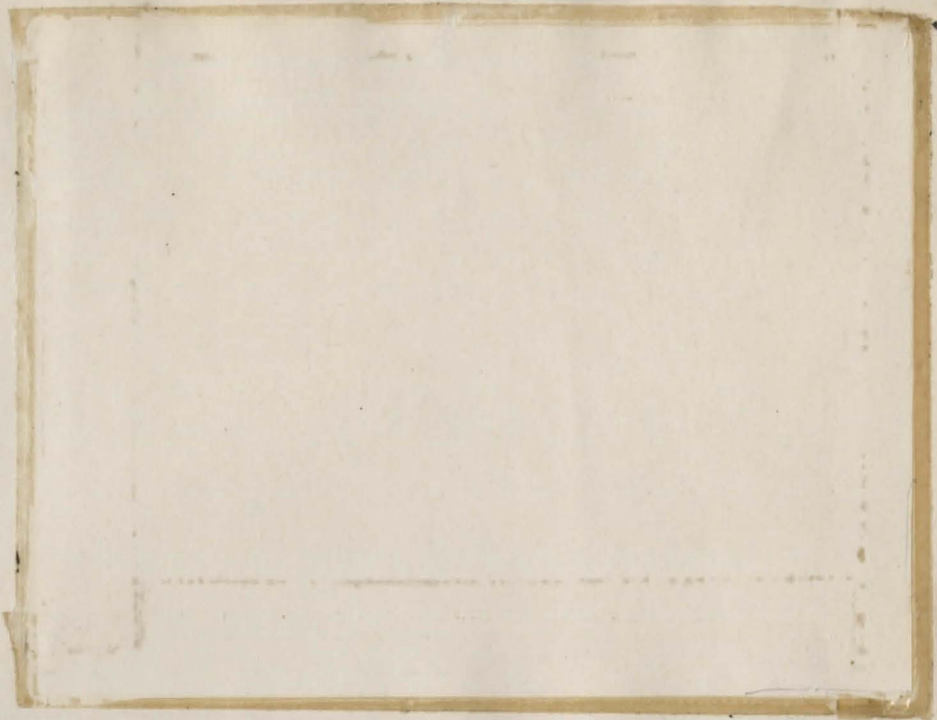




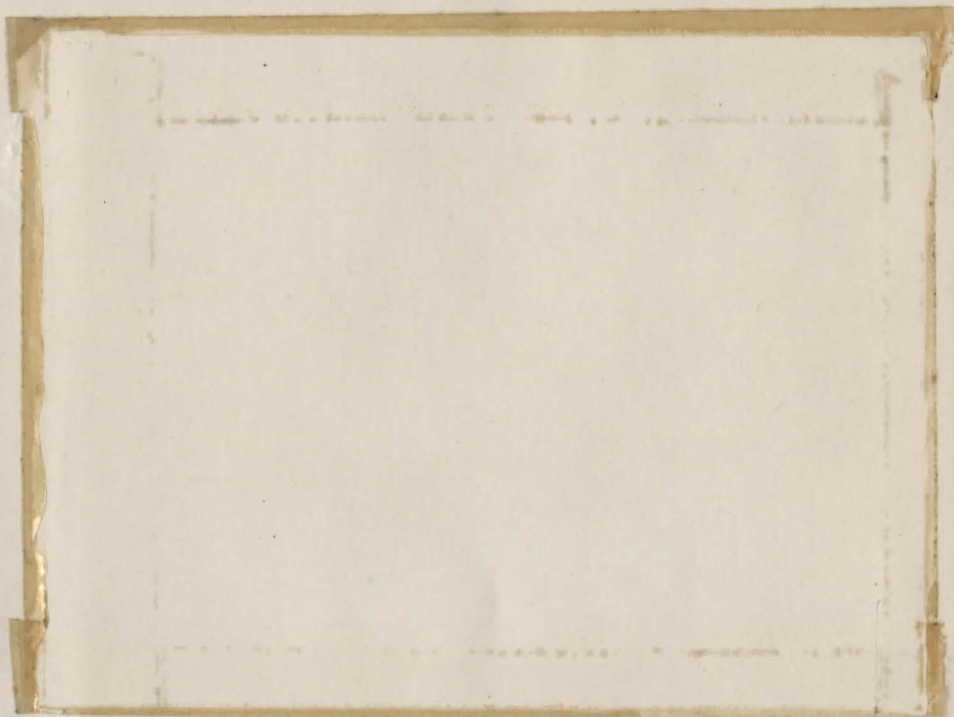
The attractive home of the I.M. Smith Family



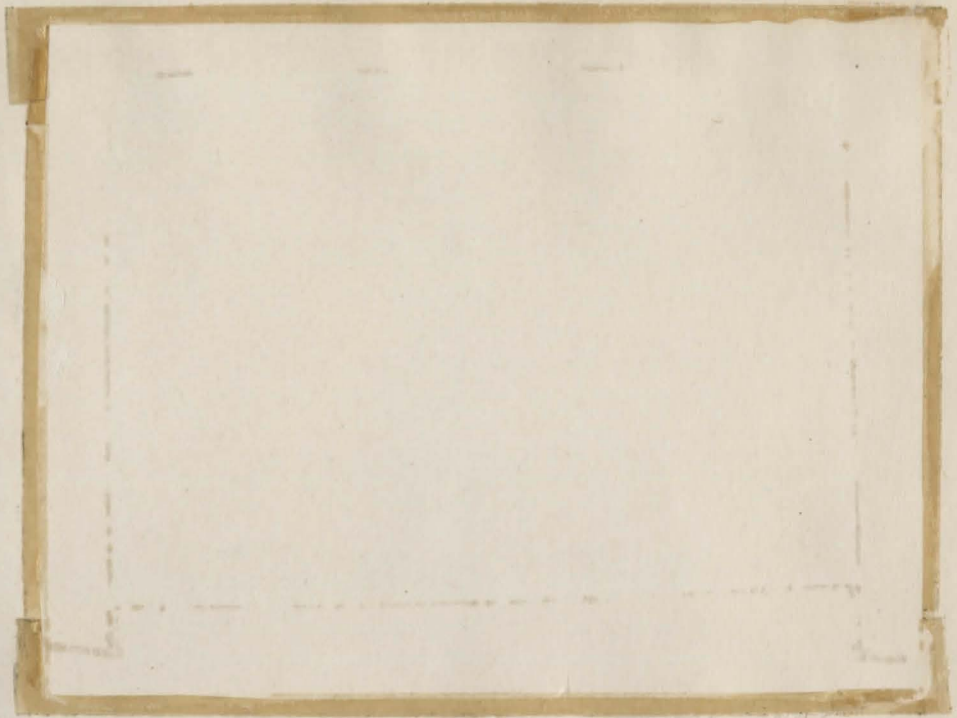
Mrs. I.M. Smith handling the book work for
the Master Family.



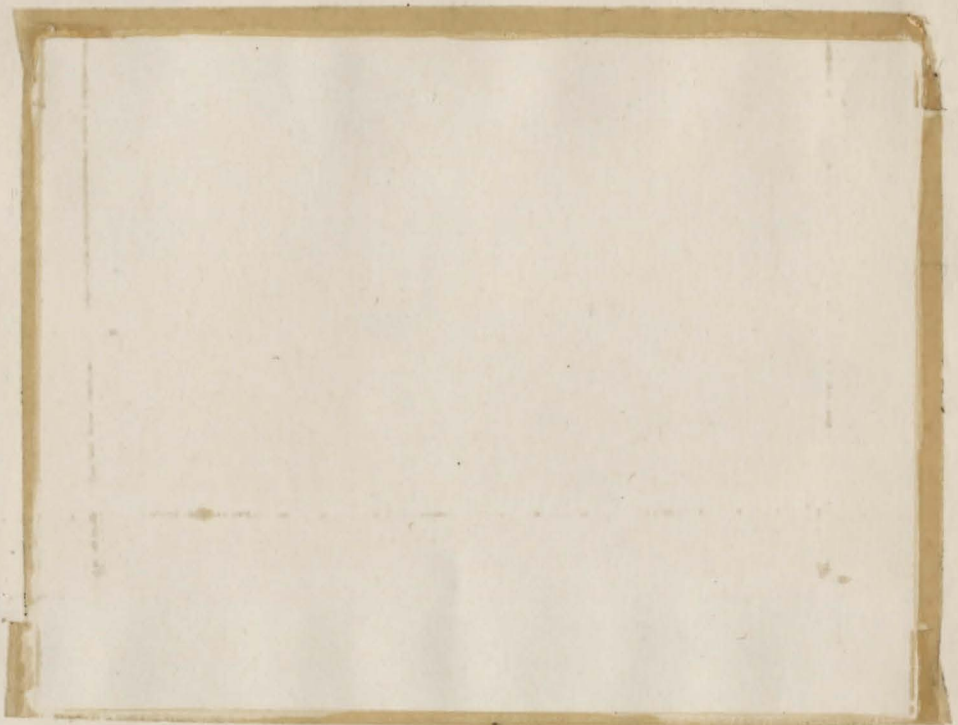
Year-round annual grazing has contributed largely to the success of the I.M. Smith Dairy Farm.



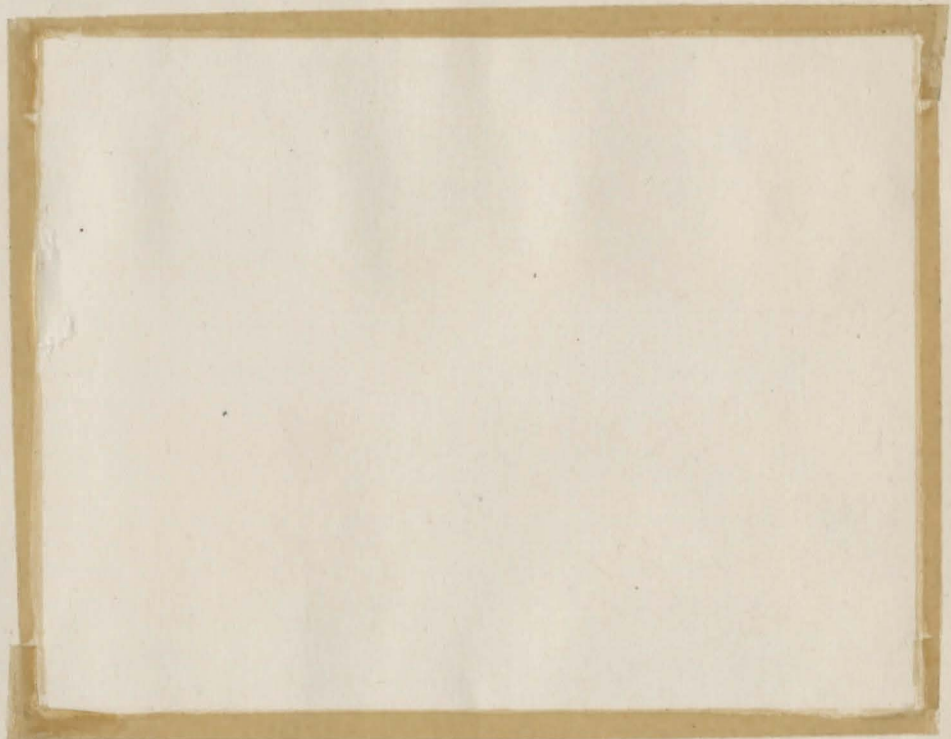
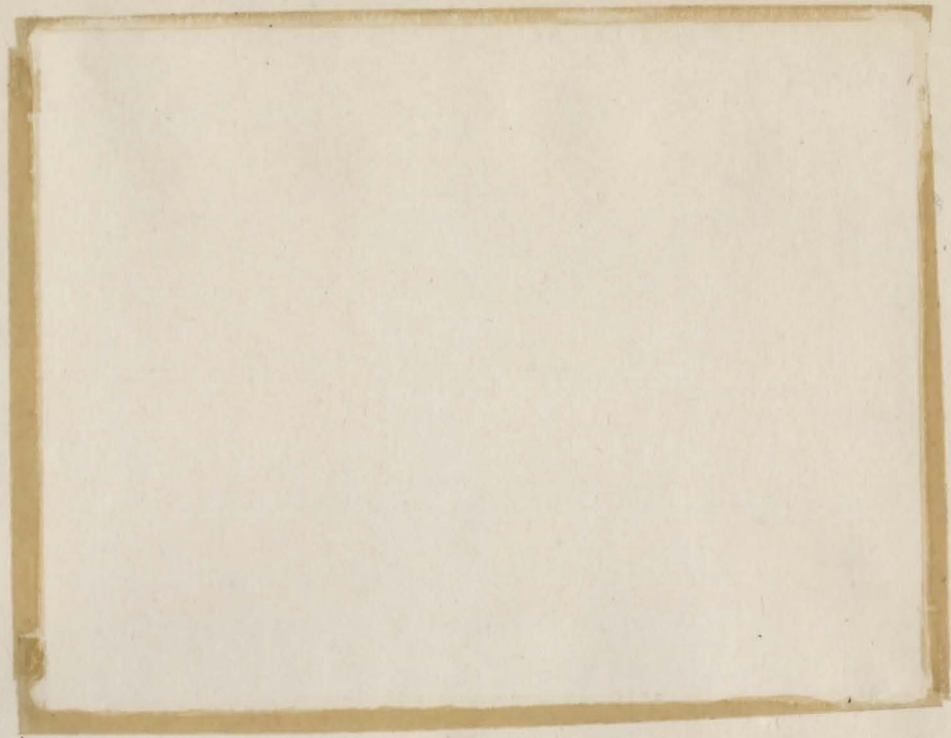
A meadow strip of sericea lespedeza that provides hay and controls the erosion.



Recently cut alfalfa with a broad base terrace that does not interfere with the use of power equipment.



One of several tenant houses equipped with water and electric on the I.M. Smith farm.



Labor saving equipment in the milk house on the I.M. Smith farm. This equipment is used to bottle approximately 800 gallons of grade-A milk daily.

AGRICULTURAL ENGINEERING

Agricultural engineering work during 1947 included farm terracing, farm machinery repair, farm building and rural electrification.

Terracing: There are two power terracing units operating in the county. This year 1,065 acres were terraced for 127 farmers with this equipment. This brings to a total 46,365 acres which have been terraced with power units since the beginning of the power terracing program in 1935. In addition to power built terraces 135,060 feet were constructed by farmers with their own equipment.

Farm building: Plans were furnished and construction completed on 8 general purpose barns, 6 dairy barns, 15 hog houses, 5 hog self-feeders, 20 poultry houses, 9 upright cement silos and plans were also distributed for remodeling dwellings.

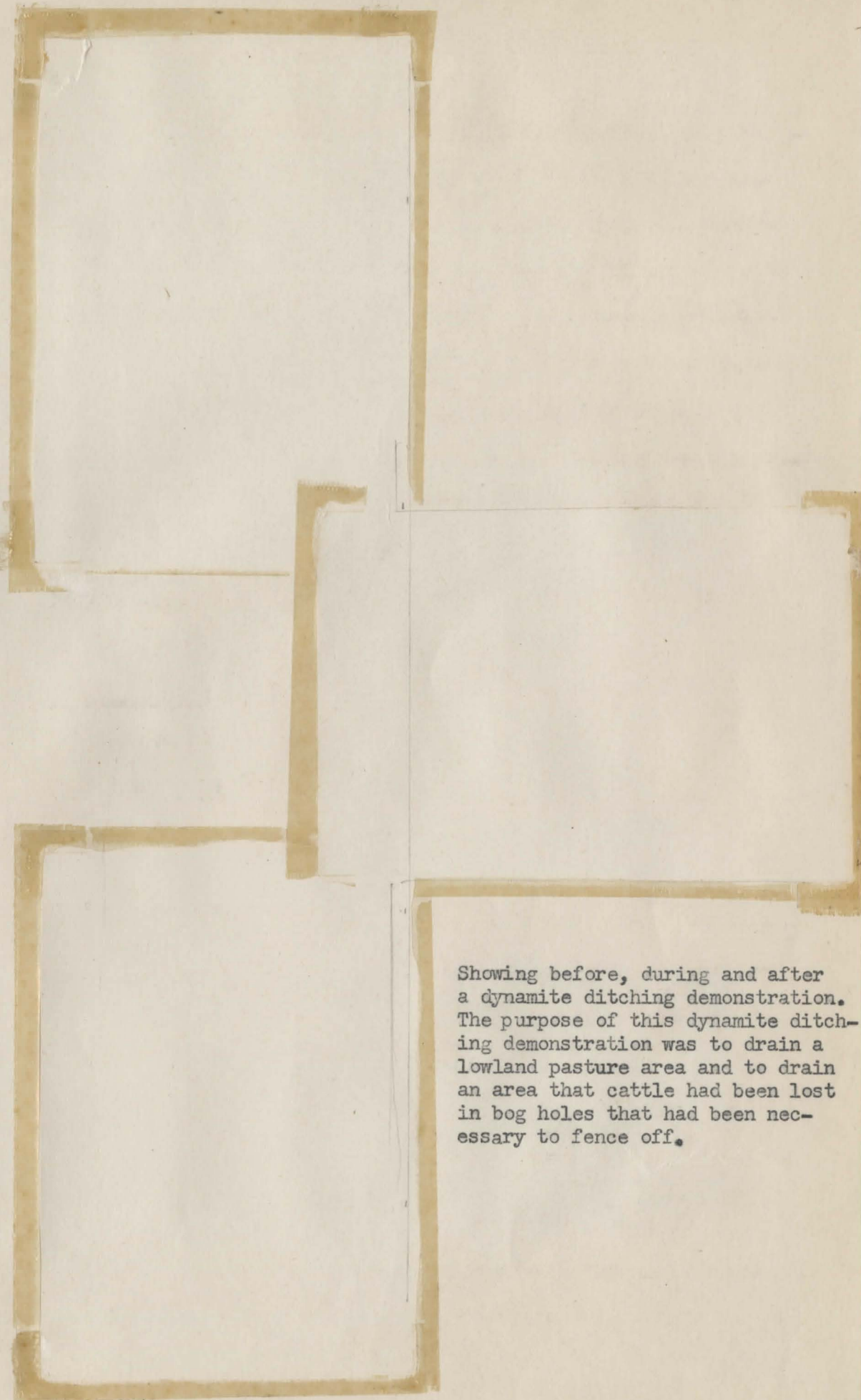
Farm machinery: A farm machinery school was conducted for 4-H club members at their annual camp.

Freezer lockers: A local merchant operates 60 freezer locker boxes with a capacity of 6 cubic feet to each box. This plant is on an REA line.

Enrichment equipment: One of the most important aid to the health of our people was the installation of equipment on mills to enrich corn meal and grits. Mills in Newberry county that are now rendering this service are as follows:

B. Frank Adams	Whitmire
T.H. Kunkle	R-2, Prosperity
J.J. Longshore	R-3, Newberry
Newberry Milling Company	Newberry
Spartan Grain Company	Newberry
R.E. Watkins	Chappells

Grist mill owners and operators were trained to use an electric hammer for sharpening mill stone at a training school held at a local mill.



Showing before, during and after
a dynamite ditching demonstration.
The purpose of this dynamite ditch-
ing demonstration was to drain a
lowland pasture area and to drain
an area that cattle had been lost
in bog holes that had been nec-
essary to fence off.

RURAL ELECTRIFICATION

Work in connection with the rural electrification program has consisted of educational meetings, aiding communities to obtain power lines, and demonstrations in the use of electrical equipment. 2,399 meters are now being supplied with electric current in rural sections of Newberry County. 2,118 meters are on Newberry Electric Cooperative, Inc., lines and 281 on power company lines.

Summary of Rural Electrification Work

<u>Community</u>	<u>Miles Lines</u>	<u>No. Meters</u>
Newberry County	Newberry Electric Coop. 471.8	2,118
Newberry County	Power Companies 66	281
<u>Totals</u>	<u>537.8 miles</u>	<u>2,399</u>

Farm seed cleaning equipment installed at the Southern Cotton Oil Company, Newberry, S.C., at the Silverstreet High School, the Bush River High School and four community seed cleaning outfits are continuing to meet the need of farmers with their seed cleaning.

The local Spartan Grain & Mill Company made available a seed separator that was used free of charge, by all farmers who wished to clean wheat prior to planting. Seed cleaning and separator work is aiding our farmers with the eradication of obnoxious weed and grass seed.

AGRONOMY

Agronomy work in 1947 consisted of demonstrations and educational work in the major agronomy projects. All small grain and cotton demonstrations were checked and records completed. A larger than usual hay crop was produced. Farmers showed more interest in the 5-A cotton contest since we have county prizes to offer. Summaries and results of demonstrations are as follows:

Cotton

Five-Acre Cotton Improvement Demonstrations: Twelve farmers submitted their records on this demonstration.

Summary of Cotton Demonstrations

Name	Lbs. Seed Cotton	Lbs. Lint	Value of Crop	Cost of Prod.	Net Profit
D.L. Bedenbaugh	7750	5165	\$ 1,994.70	\$ 589.25	\$ 1,405.45
F.A. Boland	5037	3358	1,294.14	424.55	869.59
H.M. Bryson	7074	4716	1,821.03	56.55	1,264.48
Griff Dorroh	7188	4792	1,806.36	546.35	1,260.01
H.M. Epting	6186	4124	1,585.92	507.87	1,078.05
R.C. Floyd	7050	4700	1,814.00	573.25	1,240.75
L.A. Mayer	6804	4536	1,751.88	659.05	1,092.83
C.L. Ruff	10162	5108	2,066.64	766.15	1,300.49
J.F. Scurry	6579	4386	1,693.38	515.05	1,178.33
J.M. Shealy	6945	4630	1,788.95	577.00	1,211.95
M.E. Wilson	6188	4192	1,608.36	588.35	1,020.01
Paul Williams (colored)	5451	3634	1,403.60	388.13	1,015.47
Total	824.4	53341	\$20,628.96	\$6,691.55	\$13,937.41

Wheat

Wheat production demonstrations: Four demonstrations in wheat production were completed as follows:

Summary of Wheat Demonstrations

Name	Variety	Acre	Yield Bu. per A.	Cost per bu.	Cost	Value	Profit	
A.N. Crosson	Hardi Red	27	540	20	\$1.27	\$684.39	\$1,195.00	\$510.61
P.T. Harris	Red Heart	16	240	15	1.08	259.10	540.00	280.90
T.C. Neel	Red Heart	3	90	30	.54	48.37	202.50	154.13
J.M. Shealy	Hardi Red	12	300	25	.95	286.50	675.00	388.50
Total		58	1170	20	\$1278.36	\$2,612.50	\$1334.14	

Oats

Oats production demonstrations: Four farmers completed oats production demonstrations as follows:

Summary of Oats Production Demonstration

Name	Acres	Yield Bu.	Bu. Cost		Value	Cost	Profit
			per Acre	per Bu.			
W.E. Dominick	12	600	50	.30	\$ 730.00	\$ 180.70	\$ 549.30
T.C. Neel	16	672	42	.45	806.40	305.05	501.35
J.E. Sease	18	540	30	.66	675.00	360.75	314.25
F.B. Stewart	30	900	30	.73	1080.00	655.00	425.00
Total	76	2712	35.6	.55	\$3291.40	\$1501.50	\$1789.90

Corn

Corn production demonstrations: Four farmers completed corn production demonstrations as follows:

Summary of Corn Production demonstrations

Name	Acres	Yield Bu.	Bu. Cost		Value	Cost	Profit
			per Acre	per Bu.			
A.N. Crosson	7	175	25	.84	\$ 393.75	\$ 147.09	\$ 246.66
C.C. Fulmer	7	210	30	.93	452.50	195.11	257.39
C.C. Fulmer	1	30	30	1.03	67.50	30.85	36.65
T.M. Mills	2	100	50	.71	225.00	71.35	153.65
Total	17	515	30	.86	\$1138.75	\$ 444.40	\$ 694.35

Barley

Barley production demonstration: One farmer completed barley production demonstrations as follows:

Summary of Barley Demonstration

Name	Acres	Yield Bu.	Bu. Cost		Value	Cost	Profit
			per Acre	per Bu.			
Parr Brothers	3	256	86	.76	\$ 774.00	\$ 195.25	\$ 578.75

Milo for Seed

Combine Milo Demonstration: One farmer completed combine milo for seed production demonstration ad follows:

Summary of Combine Milo demonstration

Name	Acres	Yield Bu.	Bu. Cost		Value	Cost	Profit
			per acre	per bu.			
H.M. Bryson	10	200	20	.86	\$ 672.00	\$ 171.95	\$ 500.05

Silage

Silage production: Four demonstrations in silage production were completed as follows:

Summary of Silage Demonstrations							
Name	Acre	Yield Tons		Cost	Value	Cost	Profit
		Tons	per A.	per T.			
Wm. Ballentine	6.5	10		23.90	910.00	239.05	670.95
P.T. Harris	8	45		3.98	630.00	179.40	450.60
T.C. Neel	12.5	131		3.10	1,834.00	406.12	1,427.88
W.J. Suber	27.	151	5.6	4.77	2,116.80	723.55	1,393.25
Total	54	337			\$ 5,490.80	1,548.12	\$3,942.68

Lespedeza for Hay

Lespedeza for Hay production: Three farmers completed lespedeza for hay production as follows:

Summary Lespedeza for Hay Production							
Name	Acre	Yield		cost	Value	Cost	Profit
		Tons	per Ton	per Ton			
L.E. Chandler	4	4		\$5.76	\$ 120.00	\$ 23.05	\$ 96.95
A.N. Crossen	10	20		6.95	600.00	139.10	460.90
Waldo Halfacre	8	12		21.29	360.00	255.50	104.50
Total	22	36			\$1080.00	\$ 417.65	\$ 662.35

Crimson Clover Seed

Crimson Clover Seed Production: One farmer completed crimson clover seed production as follows:

Summary Crimson Clover Seed Demonstration						
Name	Acre	Yield Lbs.		Value	Cost	Profit
		Lbs.	per A/			
C.T. Smith	15	6000	400	\$ 1350.00	\$ 335.00	\$ 1015.00

Sericea

Sericea Production: One farmer completed sericea production demonstration as follows:

Summary Sericea Demonstration							
Name	Acre	Yield Tons		Cost	Value	Cost	Profit
		Tons	per A.	per T.			
F.B. Stewart	20	20	1	\$10.07	\$600.00	\$201.50	\$398.50

Alfalfa

Alfalfa Production: Fourteen farmers completed alfalfa production demonstrations as follows:

Summary Alfalfa Demonstrations for Hay

Name	Yield		Cost per T.	Value	Cost	Profit
	Acre	Tons				
William Ballentine	3.5	12½	\$9.42	\$ 490.00	\$ 115.38	\$ 374.62
B.C. Banks	1.0	3	21.61	120.00	64.85	55.15
J.H. Bowers	1.0	3½	20.00	140.00	70.00	70.00
H.M. Epting	1.5	4½	12.73	180.00	57.30	122.70
C.L. Lester	6.0	30	13.23	1200.00	397.00	803.00
H.O. Long	10.0	40	9.61	1600.00	384.50	1215.50
Willie Piester	1.2	8	6.47	320.00	51.75	268.25
D.B. Ruff	1.0	5	15.07	200.00	75.35	124.65
H.H. Ruff	2.0	10	9.76	400.00	97.60	302.40
C.T. Smith	8.0	28	16.81	1120.00	470.75	649.25
I.M. Smith	20.0	90	13.55	3600.00	1220.00	2380.00
W.J. Suber	7.0	26½	12.01	1050.00	315.35	734.65
J.C. Suber	1.0	6	9.21	240.00	55.25	184.75
G.M. Wicker	1.5	4½	13.57	180.00	61.07	118.93
Total	64.7	279	12.32	\$10840.00	\$3436.15	\$ 7403.85

Annual Grazing

Annual Grazing: Two demonstrations in annual grazing show the real value as follows:

Summary of Annual Grazing Demonstrations

Name	Acre	Crops	No. animals grazed	Days Grazed	Cost
P.T. Harris	4.5	Oats, barley, clover	7	168	\$203.55
W.J. Suber	15.0	Oats, barley, clover	25	150	262.12
Total	19.5		32	318	\$ 465.67

Permanent Pasture

Permanent Pastures: One demonstration in permanent pasture was completed as follows:

Summary Permanent Pasture Demonstration

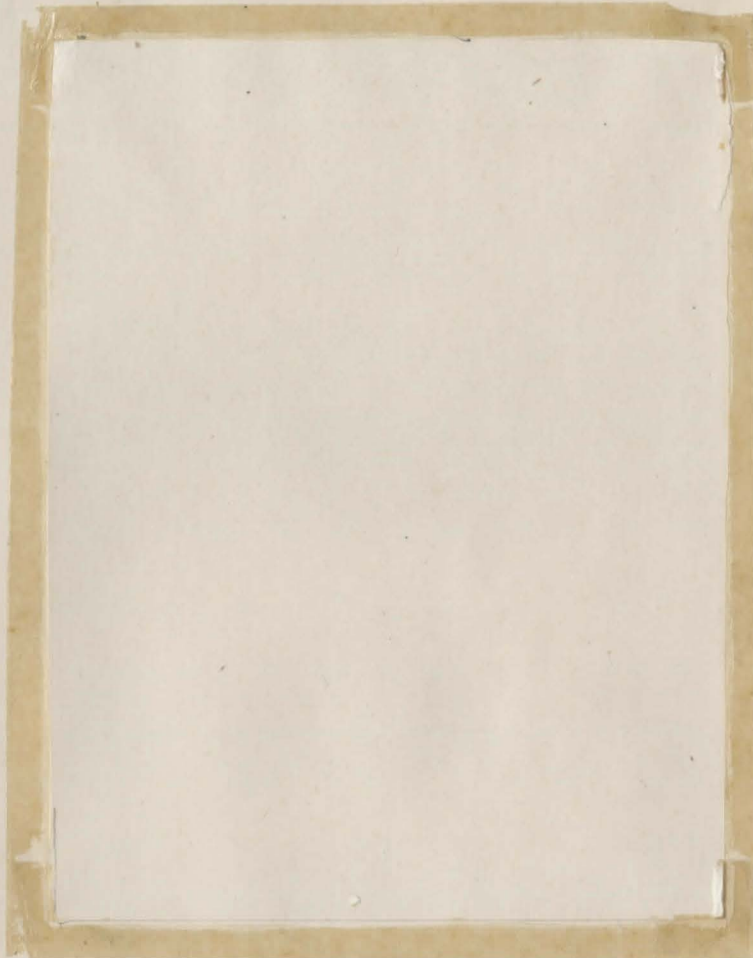
Name	Acre	Crop	No. animals grazed	Days Grazed	Cost
A.N. Crosson	15	Lesp.	8	240	\$ 76.30

Annual grazing: There has been a lot of increase in acreage of annual grazing crops for cattle, hogs and poultry during the year. Annual summer grazing consisted of pearl millet, sudan grass, soybeans and lespedeza. In most cases $2\frac{1}{2}$ bushels of barley, $2\frac{1}{2}$ bushels of oats and 25 pounds of crimson clover were used for winter grazing. A few of our farmers substituted Italian rye grass for small grain. This plan of annual grazing was started in the county in a small way during 1930, and has increased to an extent that most livestock producers are following this plan. Demonstration plantings of alta fescue and ladino clover were seeded this fall. A common practice is the grazing of small grain and crimson clover during the fall and winter months until small grain is grazed out and removing cattle from grazing areas allowing crimson clover to seed for harvest.

Alfalfa: Ten alfalfa production contest winners were awarded \$200 in cash prizes at a luncheon given by the Newberry Chamber of Commerce on January 31.



Showing the one-year old alfalfa on Willie B. Piester's demonstration. This picture was made during a tour of seven alfalfa demonstrations in Newberry county.



Sample of alfalfa hay from five successive cuttings
on a Newberry county farm showed a total of 9 feet,
9 inches of hay cut from the same land in one season.

ANIMAL HUSBANDRY

Animal Husbandry work in Newberry county consisted of educational demonstration work with beef cattle, swine, horses and mules.

Beef Cattle -

Beef cattle work consisted of placing purebred sires and purebred cows and heifers. Also, conducting 4-H beef calf club demonstrations. One cattle feeding demonstration was conducted. Twelve Hereford heifers and cows were placed in the county amounting to \$2,350.00

Sixteen purebred beef bulls were placed with farmers during 1947. A summary of these placings is given below:

Summary of Beef Bulls placed in county - 1947

Name	No. of Bulls	Breed	Age	Pbice
D.A. Bedenbaugh	1	Hereford	1 yr.	\$ 150.00
Maxcey C. Bedenbaugh	1	Hereford	6 mos.	150.00
H.M. Bryson	1	Hereford	5 mos.	200.00
H.M. Bryson	1	Hereford	1 yr.	500.00
T.L. Crooks	1	Hereford	5 mos.	130.00
Elmer Epting	1	Hereford	10 mos.	150.00
Dr. J.E. Grant	1	Hereford	-	150.00
Henry M. Hentz	1	Hereford	6 mos.	120.00
H.F. Lominick	1	Hereford	-	150.00
H.O. Long	1	Hereford	10 mos.	150.00
A.W. Murray	2	Hereford	1 yr.	450.00
R.E. Neel	1	Hereford	9 mos.	200.00
John Parrott	1	Hereford	8 mos.	125.00
Leroy Wessinger	1	Hereford	7 mos.	125.00
Joe Williams	1	Hereford	-	150.00
Total	16			\$2,900.00

Summary of Beef Bulls placed in county 1938-1947

Year	Hereford	Polled Hereford	Angus	Total	Price
1938	8	0	0	8	-
1939	13	0	0	13	\$1,312.00
1940	5	0	0	5	315.00
1941	7	0	0	7	830.00
1942	5	3	1	9	1,113.00
1943	10	0	1	11	1,025.00
1944	4	0	0	4	425.00
1945	7	0	0	7	725.00
1946	11	0	0	11	2,540.00
1947	16	0	0	16	2,900.00
Total	86	3	3	92	\$12,085.00

DIARYING IN THE COUNTY

The Extension work in dairying in 1947 consisted of educational demonstrations, placing improved purebred sires, dairy heifers and cows, the establishment of whole milk and cream routes, 4-H club work, silage and hay production, permanent pasture improvement and marketing.

Summary of Dairy Bulls placed 1938 - 1947

<u>Year</u>	<u>Number</u>	<u>Jersey</u>	<u>Guernsey</u>	<u>Holstein</u>	<u>Cost</u>
1938	8	4	4		615.00
1939	20	13	7		100.00
1940	5	2	3		100.00
1941	9	8	1		750.00
1942	25	13	12		1,902.50
1943	31	20	11		1,271.00
1944	18	10	8		2,422.50
1945	24	14	9	1	1,270.00
1946	21	17	4		2,615.00
1947	13	9	4		1,361.00
Total	164	110	63	1	\$12,407.00

A list of the placings of thirteen purebred dairy sires during 1947 are as follows:

<u>Name</u>	<u>Community</u>	<u>Breed</u>	<u>Cost</u>
Y.T. Dickert	Newberry	Guernsey	7.00
L.C. Dennis	Hartford	Jersey	200.00
Lillain Wardsworth	Hartford	Jersey	-
M.M. Ruff	Johnstone	Jersey	165.00
T.H. Kunkle & Sons	Stoney Hill	Guernsey	25.00
C.T. Smith	Kinards	Jersey	350.00
Boyce Watkins	Chappells	Jersey	10.00
W.A. Pitts	Mt. Bethel	Jersey	65.00
Paul Schull	Johnstone	Guernsey	3.00
Harry W. Shealy	Smyrna	Guernsey	150.00
A.N. Mr. Jenkins	Chappells	Jersey	46.00
Dave Waldrop	Silverstreet	Jersey	250.00
Dave Waldrop	Silverstreet	Jersey	90.00
Total value of 13 bulls			\$1,361.00

Summary of Purebred Dairy Cows & Heifers placed - 1947

<u>Name</u>	<u>Breed</u>	<u>Cost</u>
<u>Placed at Auction Sale</u>		
Furman Epps	Jersey (2)	\$ 190.00
David Waldrop	Jersey (6)	895.00
W.E. Senn	Jersey (3)	475.00

Placed Individually

M.E. Wilson	Guernsey 2)(2)	250.00
Ansel Ridgeway (4-H)	Jersey	150.00
Eleanor Ridgeway (4-H)	Jersey	75.00
T.H. Kunkle & Son	Guernsey (2)	200.00
James Stilwell (4-H)	Jersey	102.50
Boyce Omer & Bro.	Jersey (2)	150.00
I.M. Smith	Guernsey (1)	175.00
E.E. Epting (4-H)	Jersey	150.00
M.M. Ruff	Holestein (2)	100.00
Total	24 head	\$2,912.50

Twenty-nine registered Jersey and Guernsey cows and heifers were sold by Newberry county breeders to breeders out of county for a total of \$6,182.00.

* * * *

Bull Record Demonstrations: Eight demonstration records of purebred bull service were kept in 1947 by farmers owning approved purebred bulls. These records are valuable in showing the use of purebred bulls in the communities in which they are located. A summary of these records is given below:

Summary Purebred Bull Service Demonstrations						
Name of Owner	Breedoof Bull	Number In 1947	Total No.			
			Other Persons Breeding to bull	Cows Bred to Bull In 1947	Total Number Heifers Dropped In 1947	Total Number Bulls Dropped In 1947
I.B. Duck	Jersey		15	2	2	5
I.B. Duck	"		7	3	3	3
T.C. Neel	"	10	51	9	6	1
M.M. Ruff	"	10	18	4	3	1
G.L. Coats	"	1	40	30	10	3
P.T. Harris	"	9	31	14	17	1½
J.P. Boozer	"	4	30	16	14	3
L.C. Dennis	"	12	52	32	20	3
Total		46	244	110	75	

NEWBERRY CREAMERY

The Newberry Creamery provides one of the largest all year markets for the small dairy farmers of this county.

The following table gives the butterfat bought and prices paid the farmers by the creamery:

Month	Lbs. butterfat bought	Amount received by farmers
December, 1946	6,141.2	4,176.70
January, 1947	7,197.0	4,893.96
February	6,871.2	4,672.42
March	8,010.4	5,447.07
April	9,540.8	6,487.74
May	13,623.2	9,263.78
June	12,340.1	8,391.27
July	23,327.4	15,862.63
August	18,098.4-	12,306.91
September	14,540.9	9,887.81
October	12,996.5	8,837.62
November	10,762.7	7,818.64
Totals	143,445.48	97,546.55

AVERAGE PER POUND OF BUTTERFAT 68¢

Summary 1935-1947 Sales at Newberry Creamery

Year	Lbs. butterfat bought	Av. price for Butterfat	Amount received by farmers
1935	125,016	25.2	\$ 25,482.00
1936	133,843	29.7	31,912.63
1937	138,253	29.0	32,643.53
1938	210,667	24.0	41,255.11
1939	153,475	22.1	34,163.63
1940	166,987	24.3	32,455.85
1941	195,148	31.0	60,767.53
1942	195,111	35.8	69,936.41
1943	135,537	47.0	63,702.43
1944	135,709	44.8	60,721.28
1945	139,789	45.6	64,302.78
1946	107,406	56.0	60,244.98
1947	143,445.48		97,546.55
Totals	1,980,404.48		\$ 775,133.91

The Creamery is operating regular cream routes in Newberry County. These routes are a market for farm homes and have had a great deal to do with keeping this creamery in operation to the present standard of production.

WHOLE MILK PLANT

The Borden Company opened a milk receiving station in Newberry on August 12, 1942. During 1947 this plant purchased 3,817,917 pounds of whole milk for which they paid the farmers \$145,396.91. Eight routes are operated in this county serving 297 patrons. The Newberry Extension Staff with the assistance of the Neighborhood Agricultural Committeemen, organized the above mentioned routes. We confidently expect a large increase in the volume of milk bought during the next year. Two hundred and ninety-seven producers were assisted with the production, care and handling of whole milk.

MILK COOPERATIVE

The local Milk Cooperative purchased milk in the amount of \$138,614.24 during the year and sold \$174,644.89.

STATE DONATION SALE

Three registered Jersey heifer calves from this county were sold at the State Donation Sale, proceeds from this sale were used to hire a field man to promote Jersey cattle work.

LOWER PIEDMONT PARISH

The Lower Piedmont Parish consisting of Jersey cattle breeders of Laurens, Newberry and Saluda counties was organized. Promotional and educational work by committees was begun.

JERSEY CATTLE CLUB

The Annual South Carolina Jersey Cattle Club meeting was held at Newberry.

NORTH & SOUTH CAROLINA JERSEY CATTLE CLUB SALE

Seven select Jersey cows and heifers were fitted and sold at the North & South Carolina Jersey Cattle Club Sale at Statesville, N.C.

DAIRY SCHOOL

One hundred and fifty interested farmers attended the Dairy Sanitation and Milking School held on October 29.

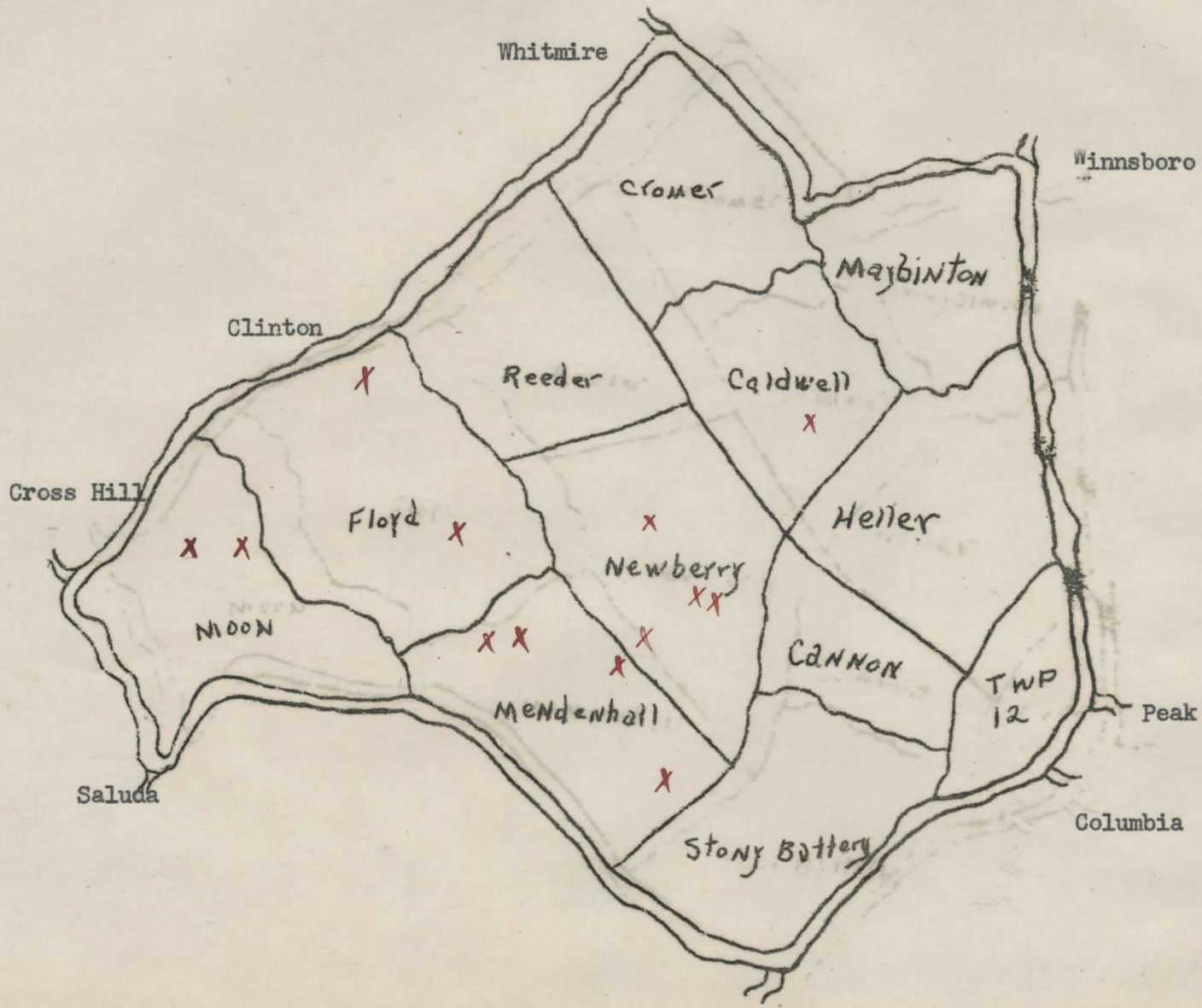
MISCELLANEOUS

A dairy program was conducted at a local Lions Club meeting.

See News article in this report for statement of dairying and marketing plan in the county.



The Newberry Dairy Cooperative is the first whole milk farmer owned milk cooperative organized in South Carolina. All grade-A milk sold in the city of Newberry is processed in this plant.



Registered Dairy Bulls placed in Newberry County - 1947

-39-

Dairy Bulls placed in the county X Batesburg

ENTOMOLOGY

More than usually attention has been given to worming and delousing cattle with results of fewer loses of both dairy and beef cattle are occurring. A number of farmers were given information about phenothiazine for the control of worms in livestock.

DDT: Demonstrations with the use of DDT for spraying cattle, barns and homes were continued. This work proved very satisfactory for the control of flies, cattle lice and fleas. Practically all farmers are using DDT to control insects.

Bangs Diseases: County Agents cooperated with U.S.D.A. veterinarian with the testing for Bangs disease with 10% of all cattle in the county.

Beetle damage: Observation of timber land where cutting was done during the summer months to locate beetle damage were made. Some damage was found to have occurred.

Insects and diseases: Farmers were advised and assisted with the control of insects and diseases. Practically all farmers have planted smut resisting oats but they all were advised to treat oats for smut as an additional precaution.

Minerals for livestock: The use of a sufficient amount of minerals for livestock was recommended to all producers. A large number of farmers followed these recommendations.

Seed separator: A local flour mill made available a seed separator free of charge for separating seed wheat.

Lice and grub powders: Arrangements have been made with a local merchant to handle Clemson formula cattle lice and grub powders.

Harlequin bug: Many farmers used sabadilla for controlling the harlequin bug.

Commercial peach orchard: All operators of commercial peach orchards were advised and assisted with the control of insects and diseases.

Southern grass worm: The southern grass worm caused considerable damage to forage crops during July, and August. Poison bait and dust were used to combat this insect. Poison bait was also used effectively to control an outbreak of the white grub.

Other insects: Truck and field crop insects were numerous than usual, causing more time and effort to be taken up with control measures.

Rat control: A county-wide rat control plan was completed during November to be conducted during December. A large number of farmers have indicated that they would cooperate with this plan.

Boll weevil: Boll weevil infestation counts were made on ⁵/farms in different sections of the county. All farmers were reminded of the necessity of controlling boll weevile. Poisoning this year was more effective than usual on the account of high infestation. B.H.C. dust was used extensively in one county and to a less extent in several other counties. This control method appeared to be expected.

On the following page is a weekley boll weevil infestation report on five farms in the county;

THE FOLLOWING IS A SUMMARY OF WEEKLY BOLL WEEVIL INFESTATION REPORT'S

Spring 1947

<u>Week ending</u>	<u>June 7, 1947</u>	<u>No. applications & Field No.</u>	<u>kind of poison</u>	<u>No. weevils per acre</u>	<u>Percentage Infestation</u>
M.E. Wilson	1		No poison	150	
C.L. Ruff	2		No poison	300	
R.C. Floyd	3		No poison	300	
J.F. Scurry	4		Mop Mixture	0	
G.G. Coleman	5		Mop Mixture, 1 appl.	150	
<u>Week ending June 14, 1947</u>					
	1		Mop Mixture, 1 appl.	450	
	2		1-1-1 mixture, 1 appl.	None	
	3		No poison	None	
	4		Mop mixture, 1 appl.		19%
	5		Mop mixture, 1 appl.		17%
<u>Week ending June 21, 1947</u>					
	1		2 - mop mixture		31%
	2		1 - 1-1-1 mixture		None
	3		1-1-1 mop mixture		52%
	4		1- 1-1-1		36%
	5		1 - mop mixture		41%
<u>Week ending June 28, 1947</u>					
	1		2 - mop mixture		32%
	2		2 - 1-1-1 mixture		0
	3		1 - 1-1-1 mixture		34%
	4		3 - 1-1-1 mixture		16%
	5		2 - mop mixture		42%
<u>Week ending July 5, 1947</u>					
	1		2 - mop mixture		36%
	2		3 - 1-1-1		2%
	3		2 - 1-1-1		12%
	4		3 - 1-1-1		11%
	5		1 - 1-1-1, 2 appl.		44%
<u>Week ending July 12, 1947</u>					
	1		3 - 2-1-1-1, 1 appl.		18%
	2		3 - 1-1-1		None
	3		2 - 1-1-1		8%
	4		3 - 1 mop mixture		6%
	5		4 - 2-1-1-1, 2 appl.		17%
<u>Week ending July 19, 1947</u>					
	1		3 - mop mixture		24%
	2		3 - mop mixture		6%
	3		3 - 1-1-1		8%
	4		4 - 3-1-1-1, 1 appl.		14%
	5		3-- 2-1-1-1, 1 appl.		28%

Week ending July 26, 1947

1	3-- mop mixture	28%
2	3 - mop mixture	14%
3	3 - 1-1-1	20%
4	4 - 3-1-1-1, 1 appl.	38%
5	3 - 2-1-1-1, 1 appl.	50%

Week ending in August 2, 1947

1	3 - mop mixture	28%
2	3 - mop mixture	12%
3	3 - 1-1-1	22%
4	4 - 3-1-1-1, 1 appl.	30%
5	3 - 2-1-1-1, 1 appl.	36%

Week ending August 9, 1947

1	3 - mop mixture	58%
2	3 - mop mixture	16%
3	3 - 1-1-1	24%
4	4 - 3-1-1-1, 1 appl.	32%
5	3 - 2-1-1-1, 1 appl.	24%

BEEKEEPING

Beekeepers Association: The Newberry County Beekeepers' Association was organized in 1936 with sixteen members which have grown to a membership of sixty. Regular monthly meetings are held for the purpose of discussing problems of beekeeping. The Extension Bee Specialist, as well as the County Agents, attend these meetings and discuss timely subjects of interest to beekeepers.

The Beekeepers Association sponsored a tour to Estill, S.C., All phases of beekeeping was studied at Tranquary Farms.

Local beekeepers exhibited their product at the Newberry County Fair.

Requeening: A local queen breeder furnished most of the queens used in the county.

Transferring: Six successful transferring demonstrations were conducted with new members. All old beekeepers have been taught to transfer and are now doing their own work. Beekeepers were given assistance requested.

Beekeepers Short Course: Four county beekeepers attended the State Short Course held at Clemson during the summer.

Weather conditions: Weather conditions were favorable for honey production during the spring. The fall honey flow was short due to adverse weather conditions.

Crimson clover aid beekeepers: The large acreage of crimson clover that is used for annual grazing and seed has proved beneficial to beekeepers.

FORESTRY IN THE COUNTY

1. Woodland Examinations and Selective Cutting:

All request for woodland examinations and selective cutting assistance was taken care of either by extension or state foresters. Summary on the following page.

2. Five Acre Pulpwood Thinning Contest:

The five-acre pulpwood thinning contest was won by Daniel Reuben, Silverstreet, S.C., a negro 4-H club member. Daniel is a tenant farm boy and his income from the 5- acres consisted of the sale of wood and soil building payment made by the AAA. This demonstration is fully reported in the negro county agents report.

Woodland land owners were encouraged to take advantage of assistance offered for cruising and marking saw timber and pulpwood for marketing.

3. Tree Planting - Arbor Day Program

A Arbor Day Program with the attendance of 175 was conducted at the Newberry High School. During this program a cork oak seedling was planted and dedicated to World War II veterans who lost their lives.

4. 4-H Work:

Forestry 4-H club work is reported in another section of this report.

5. Pine Seedlings:

On account of the shortage of free tree seedlings only one farmer was able to take advantage of this plan.

6. Rural Fire Prevention:

The Extension Service cooperated with the State Commission of Forestry in conducting an educational program to reduce the number of annual fires that occur in Newberry county. Envelopes stuffers were distributed along with other mail to all land owners. Book markers were distributed to 4-H club members.

The County agent served on the County Tree Farm Committee.

The number of forest fires in the county have been greatly reduced since the county has been fully covered and towers built to cover the entire county. The Extension Service cooperated with county rangers in training meetings and the showing of films at educational meetings.

7. Marketing:

An accurate list of all saw mills was brought up-to-date and calculated during the year. A survey was made of all larger operators and forwarded to the State Industrial Committee for their use in reporting S.C. Industries.

The pulpwood directory giving pulpwood specifications and names of buyers and other information was brought up to date and was available to all landowners who requested it.

Prices for pulpwood, poles, and other forest products were kept currently up-to-date and furnished farmers.

8. Publications:

During the year the Handbook of Standard Forestry Practices was revised and leaflets on Longer Life for Fence Posts were available to farmers.

9. Tree Farm System:

Mr. W.D. Summer was designated as one of fifteen tree farmers by the county and State Tree Farm Committee. This tree farm system program is sponsored by the Extension Service and The State Forestry Commission.

On the following page is a report of the W.D. Summer farm:

I N S P E C T I O N R E C O R D

South Carolina
Tree Farms System

Classification:

Farm- X
Investment-
Industrial-

Tree Farm Area: 70 Acres

Newberry County

Owner- W.D. Sumner

Land Classification

Address- R-2, Pomaria, S.C.

Woodland Area - - - - - 70 Acres
Agricultural Land - - - - - 30 "
Improved Pasture - - - - - 20 "
Total Area - - - - - 120 "

Location and Description of Tree Farm:

Located off of Pomaria Road on Halfacre road.
Farm is rolling terrain and has a very good forest
growth of loblolly pine over most of the forest area.

Description of Forestry Practices

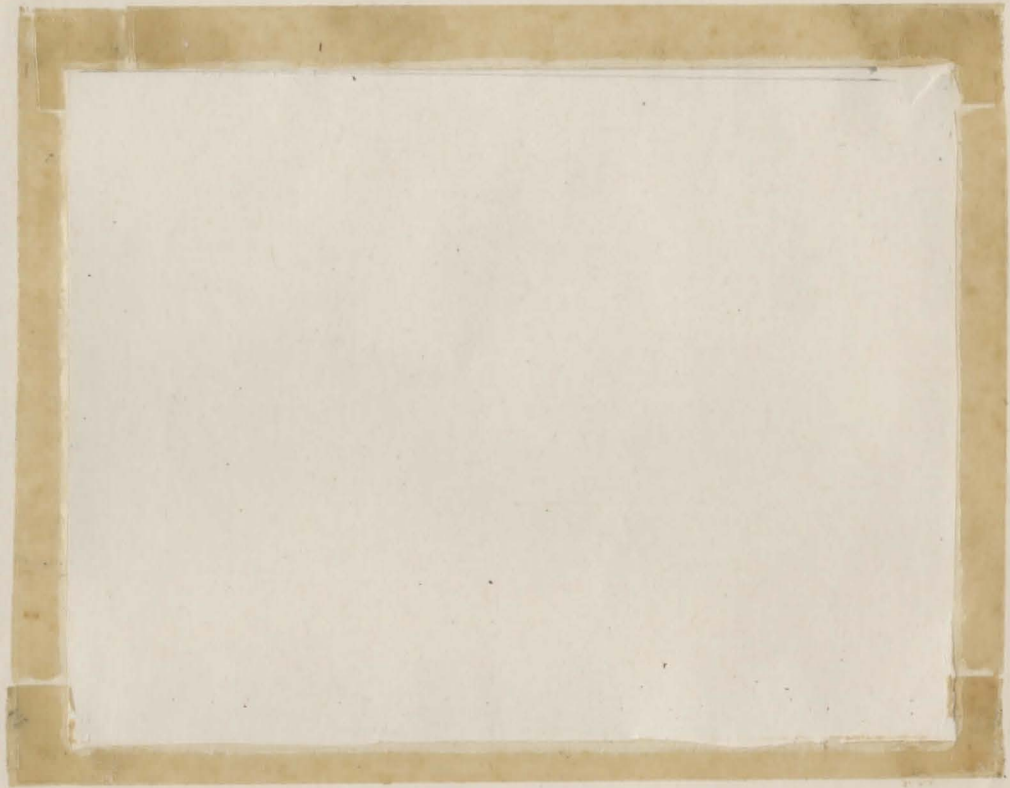
Fire Protection Measures: Protection measures initiated in 1940. No
equipment on hand but realizes need of it. He has an understanding
with his neighbors to be careful with fire and to help suppress any
fire which might occur on any of their land. Has had very good results.
Very few fires ever occur in this area.

Forest Cutting Practices: Started selectively cutting timber in 1940.
He is planning to thin his entire stand on a selective basis. He has
thinned about 15 or 20 acres up until now and some of wood is sold for
pulpwood and some for fuelwood. He supplies his own needs for fuel-
wood also. He thins about 5 acres each year.

Reforestation: He planted about 3 acres in 1945 to loblolly pine but
he stated that the seedlings were in very poor condition when he re-
ceived them. He stated that only about 600 seedlings out of the 3,000
received lived.

The following is a list of the farmers in Newberry county who had their timber selectively marked and tallied:

Landowner	Acres Examined	Acres Marked	Bd.Ft. Marked	Cords
R.S. Cannon	200	75	184,880	
J.E. Swedenberg	40	34	152,410	
Johnson-McCrackin	485	275	338,160	
S.P. Harris	244			
Leo H. Davenport	35			
I.B. Duck	240			
Mrs. Grace Long Borden	10	10		60
Dave Caldwell	120			
B.O. Lovelace	65			
H.L. Shealy	47			
W.E. Senn	235			
T.C. Neel	20			
A.H. Hawkins	25			
W.E. Dominick	30			
Max McKittrick	93			
William Ballentine	40			
W.M. Halfacre	36			
L.E. Chandler	75			
Totals	2,035	394	675,450	60



Showing one of the many railroad siding loading points for pulpwood in Newberry County. Approximately 65,000 standard cords of pulpwood have been shipped from the county during 1947.

4-H CLUB WORK IN THE COUNTY

Boy's 4-H club work was again on in twelve communities with a total membership of 210. Each club has a local leader who assists with the work in the clubs.

SUMMARY OF 4-H CLUB ENROLLMENT & COMPLETIONS, 1936-1947

<u>YEAR</u>	<u>ENROLLMENT</u>	<u>COMPLETIONS</u>	<u>% COMPLETIONS</u>
1936	116	95	82
1937	101	113	100
1938	153	77	50
1939	156	87	56
1940	145	75	52
1941	137	84	61
1942	127	21	17
1943	105	52	49
1944	106	98	92
1945	177	85	49
1946	225	90	40
1947	210	147	70
Total	1758	1024	58

SUMMARY COMPLETED DEMONSTRATIONS - 1947

<u>Demonstrations</u>	<u>No. Completed</u>	<u>Value of Products</u>	<u>Cost</u>	<u>Profit</u>
Corn	19	\$1,490.95	\$504.55	\$978.30
Cotton	3	650.90	198.28	452.62
Dairy Cattle & Milk Production	8	3,926.74	2,744.52	1,182.22
Beef Cattle	14	2,847.60	2,441.30	406.30
4-H Swine (fattening)	31	3,702.35	2,083.85	1,618.50
4-H Swine (breeding)	2	480.00	220.43	259.57
Sow & Litter Class	4	918.00	421.61	485.39
Broiler & pullets	19	1,385.80	939.99	439.51
Laying Hens	4	226.47	189.25	37.22
Forestry	11	502.50	265.90	236.60
Garden	6	275.40	101.00	173.60
Irish Potatoes	2	150.00	82.99	67.01
Wheat	1	87.50	33.55	53.95
Watermelons	1	40.00	4.85	35.15
Turkeys	2	736.34	605.20	131.14
Dairy Calves	18	4,465.13	3,521.99	943.14
Bees	2	115.60	50.00	65.60
Total	147	\$22,001.24	\$14,409.26	\$7,565.82

SUMMARY OF 4-H CLUB ENROLLMENT & COMPLETION - 1947

Club	No. Members	No. Records	% Completion
Bush River	14	13	92
Prosperity	46	35	76
O'Neal	10	11	110
Silverstreet	27	20	74
Chappells	14	6	43
S.t Phillips	7	0	0
Pomaria	36	29	80
Stoney Hill	11	5	41
Johnstone	5	0	0
County-Wide	25	25	100
Mt. Bethel Garmany	7	4	57
Hunter-DeWalt	8	3	35
Total	210	147	70

* * * * *

4-H Club Records-

Following are given summaries of 4-H club records completed in 1947.

Summary 4-H Corn Records

Name	No.	Yield	Value	Cost	Profit
	Acres	Bushels			
Charles Richardson	1	30	\$ 67.50	\$ 21.20	\$ 46.30
Charles Moore	1	36	81.00	26.45	54.55
James Robert Bishop	1	41	90.00	18.00	72.00
Chaude Lake Dominick	1	40	90.00	26.65	63.35
Letha Williamson	1	21½	43.00	17.85	25.15
Edith Williamson	1	22	44.00	25.63	18.37
Alvin Long	1	30	60.00	22.75	37.25
Joel Derrick	1	38	99.45	24.41	75.04
Ibra Derrick	1	38	97.75	24.41	73.34
Vernon Garrett	1	28	63.00	29.25	33.75
Bettie Garrett	1	25	46.25	25.25	17.00
George Garrett	1	25	46.25	25.25	17.00
Robert Garrett	1	28	63.00	29.25	33.75
Wayne Counts	1	50	125.00	30.70	94.30
Linwood Richardson	4	100	225.00	72.10	152.90
Milford Wicker	1	30	67.50	19.05	48.45
Marion Walton	1	30	67.50	29.60	37.80
Bobby Mayes	½	16	36.00	11.25	24.75
William Long	1	35	78.75	25.50	53.25
Total	21½	663½	\$1,490.95	\$ 504.55	\$ 978.30

Summary 4-H Cotton Records

Name	No. Acres	# Seed Cotton	# Lint	Value	Cost	Profit
Herman Mayer	3/4	800	350	\$ 97.50	\$ 35.00	\$62.50
Waddy Nichols	2	2400	1000	362.65	121.65	241.00
Grady Sanford	1 1/2	1300	500	190.75	41.63	149.12
Total	4 1/4	4500	1850	\$650.90	\$198.28	452.62

Summary 4-H Garden Records

Name	No. Acres	Yield Bu.	Value	Cost	Profit
G.W. Counts	1/20	10	20.00	7.50	12.50
Billie Duffie	2/20	-	32.60	11.00	21.60
Bennett Gunter	1.85	-	125.00	47.50	77.50
Duane Metts	1/10	-	24.00	9.00	15.00
Raymond Mills	2/20	-	53.80	18.00	35.00
James Wicker, Jr.	1/20	20.00	20.00	18.00	12.00
Total	2.45		\$275.40	\$101.00	\$173.60

Summary Watermelons Records

Name	No. Acres	Value	Cost	Profit
Bobby Hentz	1/4	\$40.00	\$ 4.85	\$35.15

Summary 4-H Potato Records

Name	No. Acres	Yield Bu.	Value	Profit	Cost
Skelton Moore	1	25	\$150.00	69.30	80.70
Mc ardy Oxner	1/10	-	-	-2.29	2.29

Summary 4-H Wheat Club

Name	No. Acres	Yield Bu.	Value	Cost	Profit
Melvin Rice	1	33	\$ 87.50	\$ 33.55	\$ 53.95

Summary 4-H Forestry Records

Name		Value	Cost	Profit
Horace Bowles	F.Dems.	100.00	38.50	61.50
Willie Crumpton	"	10.00	2.40	7.60
Burton Lewis	"	122.50	72.50	50.00
Clarence Livingston, Jr.	"	5.00	6.00	- 1.00
Edward McNuer	"	9.00	6.00	3.00
Harvey Oxner	"	60.00	48.00	12.00
Bill Scurry	"	45.50	15.40	30.10
J.T. Scurry, Jr.	"	52.50	20.10	32.40
Hayne Stuck	"	14.00	7.00	7.00
Monroe Werts	"	60.00	37.50	22.50
James Wicker, Jr.	"	24.00	12.50	11.50
Total		\$ 502.50	\$ 265.90	\$ 236.60

Summary 4-H Bees Records

Name	No. of		Value	Cost	Profit
	Hives	Lbs. Honey			
Eugene Wessinger	2	8 gals.	25.60	12.50	13.10
Geo. W. Long	3	15 lbs	90.00	37.50	52.50
Total	5		\$115.60	\$ 50.00	\$ 65.60

Summary Broilers Records

Name	Chicks		Value	Cost	Profit
	Hatched				
C.J. Blackmon	100		99.00	78.00	31.00
Donald Bowers	16		12.75	7.75	5.00
Richard Bowers	50		44.20	24.60	19.60
Larry Connelly	52		52.80	44.65	8.15
Richard Counts	110		107.00	72.00	35.00
James Bennie Epting	25		26.25	9.50	16.75
Monroe Fulmer	80		68.00	34.68	33.32
Glenn Hamm	100		60.00	43.25	16.75
David Harmon	100		107.30	106.74	.56
William Kibler	100		66.00	60.00	6.00
David Kinard	50		48.75	22.70	26.05
Hugh Lewis	100		125.08	70.00	55.08
Robert Lominick	100		92.20	72.55	19.65
Henry Longshore	100		100.00	70.25	29.75
Roy E. Mayer	100		112.50	44.45	68.05
Paul Richardson	100		144.20	92.90	51.30
Eddie Seastrunk	100		64.80	58.10	6.70
Hack Summers	30		28.97	10.87	18.10
Getson Werts	50		26.00	17.00	9.00
Total	1463		\$1,385.80	\$939.99	\$439.51

Summary 4-H Laying Hens Records

Name	No. Chicks		Value	Cost	Profit
	Bought				
Billy Derrick	25		29.50	14.05	15.45
Bissell Ackerman	39		93.85	90.85	3.00
Eddie Graham	100		85.12	74.85	10.27
Bobby Morse	15		18.00	9.50	8.50
Total	179		\$226.47	\$189.25	\$37.22

Summary 4-H Turkeys Records

Name	No.		Value	Cost	Profit
	Bought				
David Bishop	-		40.00	30.20	9.80
<u>Richard H. Ruff</u>	150		696.34	575.00	121.34
Total	150		\$736.34	\$605.20	\$131.14

Summary 4-H Dairy Records - Milk Production

Name	No. Animals	Days		Value	Cost	Profit
		Fed				
Charles Cromer	Cow&calf	365		425.00	325.00	100.00
Paul Foshee	"	-		438.58	248.75	189.83
Bonnelle Graham	"	240		711.99	515.75	196.24
Ruby Jenkins	"	212		751.82	599.02	152.80
Robert Long	"	174		687.35	413.00	274.35
Robert Mayes Long	"	185		368.50	259.00	109.50
Carl Morrison	"	-		160.00	130.00	30.00
Mary Ann Watkins	% "	360		383.50	254.00	129.50
Total				\$3926.74	\$2744.52	\$1182.22

Summary 4-H Pig (Breeding Class) Records

Name	No. Pigs		Value	Cost	Profit
	Farrowed	No. pigs Raised			
Billy Bickert	7	6	240.00	85.20	174.80
Dick Neel	7	6	240.00	155.23	84.77
Total	14	12	\$480.00	\$220.43	\$259.57

Summary 4-H Pig (Fattening Class) Records

Name	No.	Days Gain		Value	Cost	Profit
		Fed	In Wt.			
Henry Aull	12	150	80	264.00	180.00	84.00
Paul Bedenbaugh	1	210	322	91.00	50.00	41.00
Billy Bowers	1	325	150	52.00	40.00	12.00
Tommy Davenport	2	60	440	151.30	69.80	81.50
B.W. Dominick, Jr.	1	140	225	83.00	42.30	40.70
Rufus Duffie	1	193	130	35.00	20.00	15.00
Waters Duffie	1	193	160	40.00	20.00	20.00
J.P. Fellers, Jr.	1	300	310	87.50	47.00	40.50
Bernard Hendrix	1	240	225	51.00	39.50	11.50
Alvin Hentz	2	350	390	171.60	44.00	127.60
Billy Hendrix	3	185	-	98.50	70.75	27.75
Billy Johnson	1	195	100	49.00	28.00	21.00
William Kibler	2	240	275	100.00	42.35	57.65
Richard Koon	1	200	200	65.00	50.25	14.75
Floyd Layman	3	200	575	162.00	91.50	70.50
Lewis Lever	1	375	-	87.50	44.50	43.00
Charles Lever	1	385	-	100.00	85.00	15.00
Clarence Livingston	1	101	128	40.00	23.50	16.50
William Long	1	360	200	65.00	40.00	25.00
Bobby Mayes	1	185	-	47.00	25.80	21.20
Dunahd Murphy	1	92	115	40.00	17.10	22.90
Charles Moore	1	225	-	40.00	30.00	10.00
Charles Melvin Pitts	1	365	215	110.00	85.00	25.00
John William Pitts	1	239	239	85.00	76.25	8.75
Andrew Pugh	1	210	220	50.00	38.75	11.25
Merrill Richardson	2	122	245	70.95	45.85	25.10
Tom Riser	1	375	-	60.00	40.25	19.75
J.F. Weesinger	1	170	70	26.00	20.00	6.00
Olin D. White	2	235	200	130.00	66.00	64.00
John Earle Smith, Jr.	9	240	-	1125.00	525.00	600.00
George Oxner	2	369	-	125.00	85.40	39.60
Total	60			\$3702.35	\$2083.85	\$1618.50

Summary 4-H Pig (sow & litter) Records

Name	No. Pigs		Value	Cost	Profit
	Farrowed	Raised			
Burton Lewis	15	13	375.00	230.83	144.17
Horace Longshore	8	8	240.00	94.65	145.35
George F. Morris	6	5	185.00	43.45	141.55
Hayne Stuck	8	7	118.00	52.68	65.32
Total	37	33	\$918.00	\$421.61	\$485.39

Summary 4-H Dairy Calf Records

Name	No. Animals	Days Fed	Value	Cost	Profit
Vernon Jenkins	1	270	155.00	111.20	43.80
Hunter Teague	1	120	175.00	157.50	17.50
Charles Teague	1	330	284.00	255.00	29.00
Jim Stilwell	1	240	Died	134.39	-134.39
Darr Epting	1	240	101.00	54.05	46.95
Alfred S. Boland	2	450	520.83	391.00	129.83
Raeford Nichols	1	300	350.00	118.75	231.25
Eleanor Ridgeway	1	210	100.00	80.00	20.00
Ansel Ridgeway	1	210	184.00	165.00	19.00
Edith Williamson	1	365	696.30	473.50	222.80
David Crumpton	1	92	45.00	36.35	8.65
Margaret Gary	1	365	415.00	391.50	23.50
Joe F. Lovelace	1	365	163.00	121.00	42.00
Robert Gary	1	365	365.00	341.50	23.50
Paul Foshee	1	335	363.00	324.25	38.75
Donal Long	1	340	373.00	242.00	131.00
Eussell Moore	1	105	55.00	45.00	10.00
G. N. King, Jr.	4	195	120.00	80.00	40.00
Total	22		\$4,465.13	\$3,521.99	\$943.14

Summary 4-H Feeder Steers Records

Name	No. Animals	Days Fed	Value	Cost	Profit
Ruth Amis	1	310	225.75	155.90	69.85
Dennis Bedenbaugh	1	346	197.40	176.00	21.40
Jimmy Bedenbaugh	1	308	174.37	157.50	16.87
Burley Lee Boozer	1	28	59.85	9.65	50.20
Samuel Bowers	1	189	179.11	177.50	1.61
Arthur Cook	1	425	58.24	25.00	33.24
Bobby Epting	1	180	129.80	97.50	32.30
T. M. Fant, Jr.	1	186	128.97	201.31	-72.34
Andrew Longshore	3	308	828.88	693.86	135.02
Levi Longshoe	1	216	160.87	160.50	.37
Dick Neel	1	283	176.74	169.00	7.74
George Oxner	1		52.50	24.40	28.10
Bennie L. Sease	1	339	312.37	270.78	41.59
Kathryn Shealy	1	173	162.75	122.40	40.35
Total	16		\$2,847.60	\$2,441.30	\$406.30

4-H CLUB CAMP: A total of 130 4-H club members and 8 leaders from Newberry county attended Camp Long the week of August 18. The Camp was well organized and the club members learned many skills and received valuable leadership training.

4-H CONSERVATION CAMP: Two 4-H girls and two 4-H boys attended the Conservation Camp held at Camp Bob Cooper during the week of July 21.

STATE 4-H COUNCIL: Two 4-H girls and two 4-H boys represented the Newberry County at the State 4-H Council held at Camp Long during the week of August 4.

COUNTY 4-H COUNCIL: Over 300 4-H club members and parents attended the Newberry County 4-H Council held at the Newberry Court House March 8. It was especially encouraging to see so many parents present at this meeting.

FORESTRY CAMP: The winner of the County 4-H Forestry Thinning Contest represented Newberry county at a camp sponsored by the State Commission of Forestry. This camp was held during the week of July 28.

4-H HOSPITAL FUND: During the year the local 4-H club members has raised approximatley \$100 to be used to furnish a room in the Newberry County Hospital. This room will be known as the 4-H Club Room.

4-H RADIO PROGRAM: Several 4-H club members appeared on programs over the local radio station WKDK during the year.

PRIZES WON BY NEWBERRY COUNTY 4-H CLUB BOYS AT THE STATE AND NEWBERRY FAIRS-

<u>Boys 4-H Corn Club Dept.</u>	<u>State Fair</u>	<u>Newberry Fair</u>	<u>Total</u>
<u>White Corn Exhibits -</u>			
<u>Vernon Garrett</u>			
Ten ear, 1st		\$2.00	
Single ear, 1st		1.50	
Ten ear, 1st	\$1.50		
Single ear, 2nd	1.20		\$7.20
<u>Robert Garrett</u>			
Ten ear, 2nd		1.50	
Single ear, 3rd		.75	
Ten ear, 2nd	2.25		
Single ear, 1st	1.20		5.70
<u>George Garrett</u>			
Ten ear, 3rd		1.00	
Single ear, 4th		.50	
Ten ear, 1st	2.25		3.75
<u>Bettie Garrett</u>			
Ten ear, 4th		.75	
Single ear, 2nd		1.00	
Ten ear, 1st	2.25		
Single ear, 2nd	.80		4.80
<u>Yellow Corn Exhibits-</u>			
<u>Letha Williamson</u>			
Ten ear, 1st		2.00	
Single ear, 1st		1.50	
Ten ear, 1st	2.25		5.75
<u>Joel Derrick</u>			
Ten ear, 2nd		1.50	
Single ear, 4th		.50	
Single ear, sweepstakes	1.00		
Ten ear, 3rd	.75		
Single ear, 1st	1.20		4.95
<u>Edith Williamson</u>			
Ten ear, 3rd		1.00	
Single ear, 2nd		1.00	
Ten ear, 1st	2.25		4.25
<u>Claude L. Dominick</u>			
Ten ear, 4th		.75	
Single ear, 3rd		.75	
Ten ear, 1st	2.25		
Single ear, 1st	1.20		
Ten ear, sweepstakes	2.00		6.95

<u>Ibra Derrick</u>		
Ten ear, 5th	.50	
Single ear, 5th	.50	
Ten ear, 1st	<u>2.25</u>	3.25
<u>Alvin Long</u>		
Ten ear, 6th	<u>.50</u>	.50
<u>Milford Wicker</u>		
Ten ear, 7th	.50	
Ten ear, 1st	<u>2.25</u>	2.75
<u>Allen Outs</u>		
Ten ear, 8th	<u>.50</u>	.50

4-H Dairy Cattle Dept.

50.35

Guernsey -

<u>Alfred Boland</u>		
Open Class, 1st	10.00	
Bull under 2 yrs.	<u>8.00</u>	18.00
<u>Vernon Jenkins</u>		
Open Class, Sr. Bull calf, 2nd	8.00	
Open Class, Heifer Jr. Yearling, 1st	10.00	
Jr. Yearling, 1st	<u>10.00</u>	28.00
<u>Margaret Gary</u>		
Open Class, Sr. Bull Calf, 3rd	5.00	
Open Class, cow 2 yrs. old & under 3, 4th	2.00	
Open Class, Calf herd, 1st	8.00	
4-H class, cow 2 yrs. old, 2nd	<u>8.00</u>	23.00
<u>Robert Gary</u>		
Open Class, cow 2 yrs, old & under 3, 3rd	5.00	
Open Class, heifer senior yearling, 4th	2.00	
4-H cow, 2 yrs. old, 1st	<u>10.00</u>	17.00
<u>Ruby Francis Jenkins</u>		
Open Class, 4 yrs. old, 2nd	8.00	
4-H cow, 3 yrs. old, 1st	<u>10.00</u>	18.00
<u>Teague Brothers</u>		
Open Class, cow, 4 yrs, old, 3rd	5.00	
Open Class, cow, 3 yrs, old, 3rd	5.00	
Open Class, heifer, Jr. Yearling, 5th	1.00	
Sr. Calf, 2nd	8.00	
Jr. Yearling, 3rd.	5.00	
Cow, 3 yrs. old, 2nd	8.00	
Cow, 3 yrs, old, and under, 2nd	8.00	
Cow, 3 yrs, old, and under, 3rd	<u>3.00</u>	43.00
<u>Charles Cromer</u>		
Open Class, cow 3 yrs, old, 4th	3.00	
4-H cow, 3 yrs, and over, 5th	<u>2.00</u>	5.00
<u>Raeferd Nichols</u>		
4-H Jr. calf, 4th	3.00	
4-H cow, 2 yrs., 3rd	5.00	
4-H showmanship	<u>3.00</u>	11.00

<u>Joe Lovelace</u>			
4-H Jr. yearling, 4th		3.00	3.00
	Total		\$166.00
Jersey Cattle -			
<u>Darr Epting</u>			
Open Class, bull jr. yearling, 2nd		8.00	
Jr. bull, 2nd.		<u>8.00</u>	16.00
<u>Robert Mayes Long</u>			
Open Class, cow 4 yrs. and over, 5th		2.00	
4-H cow 3 yrs, old, 3rd.		<u>5.00</u>	7.00
<u>Bonnell Graham</u>			
Open Class, cow 3 yrs, 4th		3.00	
4-H, St. Calf, 4th.		3.00	
4-H, cow 3 yrs, and over, 4th		<u>3.00</u>	9.00
<u>Edith Williamson</u>			
Open Class, cow 3 yrs, old, 5th		<u>2.00</u>	2.00
<u>Mary Ann Watkins</u>			
Open Class, cow, 2 yrs. old, 5th		1.00	
4-H cow, 2 yrs, old, 3rd		<u>5.00</u>	6.00
<u>Donald Long</u>			
Open Class, heifer, jr. yearling, 3rd		5.00	
4-H, Jr. Yearling, 2nd		<u>8.00</u>	13.00
<u>Ansel Ridgeway</u>			
Open class heifer, 5th		1.00	
4-H, Sr. calf, 2nd		<u>8.00</u>	9.00
<u>Paul Foshee</u>			
4-H cow, 2 yrs. old, 4th		3.00	3.00
	Total		\$65.00

Beef Cattle -

<u>Bennie Luther Sease</u>			
Open class, 1st		10.00	
Jr. Dept., 1st		10.00	
Fat Calf Steer, 2nd		<u>8.00</u>	28.00
<u>Janice Lovelace</u>			
Fat Calf Steer, 1st		<u>10.00</u>	10.00
<u>Andrew Longshore</u>			
Fat Calf Steer, 3rd		<u>5.00</u>	5.00
<u>Hackie Bell</u>			
Fat Calf Steer, 4th		<u>3.00</u>	3.00
<u>T.M. Fant, Jr.</u>			
Fat Calf Steer, 5th		<u>2.00</u>	2.00

Swine - 4-H Dept.

Earl Smith, Jr.

Open Class, Jr. Sow Pig, 1st	5.00	
Open Class, Jr. Sow Pig, 2nd	4.00	
Open Class, Produce of Sow, 2nd	4.00	
4-H Class, Jr. Sow pig, 1st	5.00	
4-H Class, Jr. Sow pig, 2nd	4.00	
4-H Class, Jr. Sow pig, 3rd	3.00	
4-H class, Jr. Sow pig, 4th	2.00	\$27.00
Total		\$27.00

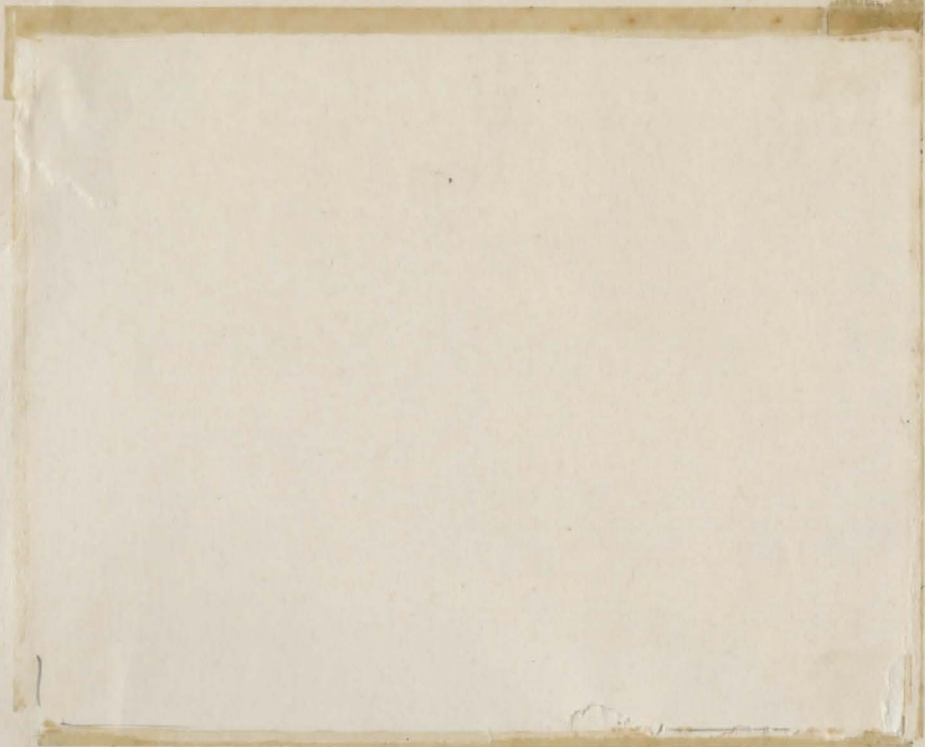
Poultry - 4-H Dept.

Open Class -

Eddie Seastrunk, White Rock, 3 places	2.50	
Vernon Jenkins, New Hampshire Reds, 1st	23.00	
Hugh Lewis, Barred Rocks, 3 places	7.50	
J. Blackmon, New Hampshires, 1 place	.50	
Robert Lominick, Barred Rocks, 2 places	1.50	
Glenn Hamm, Barred Rocks, 1 place	1.50	36.50
Total		\$36.50

Sears Roebuck Contest (boys)

Hugh Lewis	1st	20.00	
Eddie Seastrunk	2nd	10.00	
J. Blackmon	3rd	10.00	
Robert Lominick	4th	7.00	
William Kibler	5th	7.00	
David Harmon	6th	7.00	
Glenn Hamm	7th	7.00	\$104.50
Total			\$104.50



Burton Lewis, left, and Newberry Assistant County Agent W.A. Ridgeway count rings on stump in Burton's one-acre pine thinning plot.

Burton Lewis, 13-year-old 4-H club member, Newberry County, was winner in the Newberry County One-acre Timber Thinning Contest and has been awarded \$22 in prize money for his work.

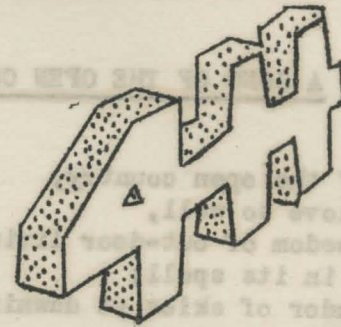
Burton's loblolly pines were 25 years old and he cut $12\frac{1}{4}$ cords from crowded, defective, and diseased trees. The wood was valued at \$10 per cord stacked at the farm and ready for use.

This was the second year the young Lewis had carried forestry as his 4-H project. Last year a younger stand was thinned and Burton was awarded a club prize of \$4. This year he profited by what he had learned and won over stiff competition.

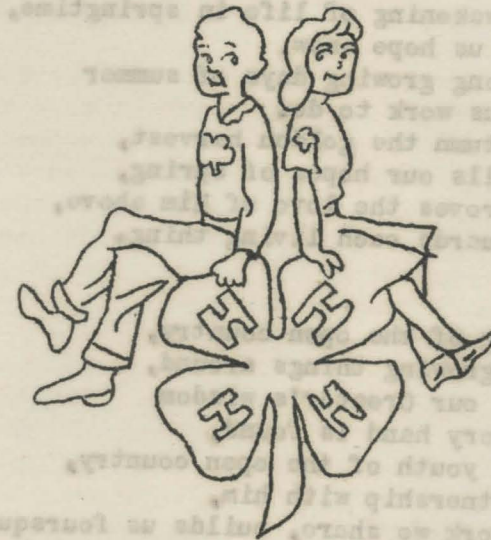
Burton says: I watch the tops and give the better formed trees room to grow. The more top a tree has the more growth it will make. Take out the crowded and defective trees. You can get your firewood this way and leave the better trees to grow. I can really tell that my trees are growing faster now that they are properly spaced and they are better trees, too, as the culls have been removed."

CAROLINA

1. Call on thy children on the hill,
Wake, swamp and river, coast and rill,
Rouse all thy strength and all thy skill,
Carolina! Carolina!
2. Hold up the glories of thy dead,
Say how thy elder children bled,
And point to Eutaw's battle bed,
Carolina! Carolina!
3. Throw thy bold banner to the breeze!
Front with thy ranks the threatening seas,
Like thine own proud armorial trees,
Carolina! Carolina!
4. Girt with such wills to do and bear,
Assured in right, and mailed in prayer,
Thou wilt not bow thee to despair,
Carolina! Carolina!



ACHIEVEMENT



NEWBERRY COUNTY

MARCH 8, 1947

President - Mable Hipp
Secretary - Rudolph Oxner

A SONG OF THE OPEN COUNTRY

1. A song of the open country,
That we love so well,
Where freedom of out-door living,
Holds us in its spell;
The splendor of skies at dawning,
The golden sunset's glow,
Our hopes arise 'neath starlit skies,
All nature helps us grow.
2. The awakening of life in springtime,
Gives us hope anew,
The long growing days of summer
Give us work to do.
In autumn the golden harvest,
Fulfills our hopes of spring,
And proves the love of Him above,
Who guards each living thing.
3. A song of the open country,
With growing things around,
There our Creator's wisdom
On every hand is found,
Gives youth of the open country,
A partnership with him,
And work we share, builds us foursquare,
Head, heart, hands, health for Him.

PROGRAM

- SONG - Carolina
- DEVOTIONAL - John Earle Smith
Reba Bowers
Chappells group
- MESSAGE FROM PRES. TRUMAN - Betty Maude Setzler
- 4-H CLUB PLEDGE - Led by Rudolph Oxner
- ROLL CALL BY CLUBS - Rudolph Oxner
- 4-H CLUB CONGRESS - Billie Dove Koon
Levi Longshore
- SKIT - "Table Manners" - Prosperity group
- RECOGNITION OF LEADERS - Dora Dean Bowers
- REPORT OF NOMINATING COMMITTEE - Betty Mae Graham
- BUSINESS - Treasurer's Report
Minutes
Credential Committee - Hazel Minick
- SONG - Song of the Open Country
- PRESENTATION OF CERTIFICATES AND DIPLOMAS -
Mr. Leon Clayton
- ATTENDANCE AWARD - Mr. P.B. Ezell
- INSTALLATION OF OFFICERS -
- RECREATION - Games
Picture Show

HORTICULTURE

Horticultural work in Newberry county in 1947 consisted of educational work by the use of newspaper article, radio and circular letters. Arrangements was made with local seed dealers for obtaining certified sweet potato plants and advise to seed adapted to the county.

Horticulture demonstrations were conducted with 4-H club members and reported under 4-H club work.

Peaches-

Assistance was given with one peach packing shed. This shed was available for 10 small commericail peach growers.

Sweet Potatoes-

One sweet potato production demonstration was completed and summaries as follows:

Summary of Sweet Potato Production Demnstration

<u>Yield per acre</u>							
<u>Name</u>	<u>Acres</u>	<u>No.1's</u>	<u>No.2's</u>	<u>Wulls</u>	<u>Returns</u>	<u>Cost</u>	<u>Profit</u>
H.M. Bryson	18	1100	400	500	\$4,150.00	\$1,500.00	\$2,650.00

MARKETING

Extension work in marketing for 1947 consisting of aiding farmers in the cooperative buying and selling of livestock and farm products.

Marketing of Surplus Farm Products: The County Agencies cooperated with the farmers of the county throughout the year in the marketing of surplus farm products, for which there were no regular established local markets, and in the purchase of materials and supplies in a cooperative way. A summary of this work is given as follows:

Summary of Marketing Work - 1947

Products	Quantity	Sold	Bought
Hogs (breeding)	4 head	190.00	190.00
Beef cattle (meat)	13 head	2,615.48	80.00
Beef cattle (breeding)	29 head	3,250.00	5,250.00
Poultry include turkeys	30,312 lbs.	7,302.00	-
Eggs	39,811 doz.	74,428.00	-
Dairy cattle	73 head	10,506.50	5,011.50
Milk	3,817,917 lbs	145,396.91	174,644.89
Cream	143,445 lbs	97,546.55	-
Honey Extractor	1	5.00	5.00
Sweet potatoes	2,000 bu.	5,450.00	-
Fruit crops	2,500 bu.	3,750.00	-
Corn (seed)	9 bu	44.13	-
Velvet beans	85 bu.	-	407.10
Hay	28 tons	695.00	575.00
Lespedeza seed	6,175 lbs	421.00	397.00
Clover seed	840 lbs	266.00	180.00
Timber	675,450 bd.ft.		
Enrichment powder			8.00
Total		\$351,866.57	\$186,748.49

Total value of products bought and sold - - - - - \$538,615.06

* * * * *

P. and M. Packing Company: The P. and M. Packing Company located at Newberry furnishes a ready market for both hogs and beef cattle. The plant does custom butchering for farmers thus enabling farmers to kill the year round. This company will buy hogs and cattle in small or large lots. This enables farmers with one or two animals to sell on grade and at market price without having to ship.

POULTRY

Poultry work in Newberry county consisted of hatchery supervision, disease control, testing turkeys and poultry, circular letters, news articles, farm visits and one turkey production school.

The 1945 Agricultural Census shows that the number of chickens increased 15 percent and the number of turkeys raised increased 262 percent during the five year period.

* * * * *

Three hatcheries in Newberry county complied with Federal standards for hatching eggs and disease control. The list of hatcheries in the county with their egg capacity is as follows:

Farmer's Hatchery	Newberry, S.C.	100,000
Huffman's Hatchery (turkeys only)	Newberry, S.C.	85,000
Stone's Hatchery (turkeys only)	Newberry, S.C.	15,500
Stoney Hill Hatchery	Prosperity, S.C.	10,000

* * * * *

Reports on turkey and poultry production will be found on the following page:

POULTRY

Twenty-six Newberry county farmers reported turkey, poultry and egg production in 1947 as follows:

Name	No. Birds	No. Birds Reacted	No. Birds Culled	No. Doz. Hatching Eggs Sold	Value with Premium
Amick, J.A.	175	-	14	811	\$ 486.60
Bishop, Joe	350	3	131	542	319.20
Boland, B.E.	321	-	99	899	513.83
Boozer, Earle	120	-	14	516	250.63
Boozer, H.H.	143	1	22	358	205.30
Bowers, J.H.				750	425.75
Clark, H.C.	278	0	60	742	414.11
Counts, C.A.	645	-	41	1786	1,166.00
Counts, W.F.	189	1	-	1036	621.60
Derrick, M.C.	131	-	6	900	540.00
Dickert, Y.T.	720	7	230	735	403.10
Garner, Mrs. C.D.	125	-	33	274	164.40
Graham, Daniel	148	-	28	604	365.10
Graham, Roland	740	2	195	913	547.80
Lester, C.E.	164	-	37	615	293.58
Lester, N.R.	142	1	31	535	304.43
Lindler, J.K.	251	3	36	929	529.99
Livingston, I.C.	193	-	6	623	373.80
Long, William	69	-	21	303	185.96
Miller, J.Clarence	420	5	53	1470	882.20
Ruff, M.M.	292	4	2	970	582.00
Morris, Earnest	52	-	2	269	161.40
Shealy, Clarence	180	1	40	1010	579.84
Stone, W.O.	191	1	4	810	486.02

Turkeys:

Dickert, Y.T.	3336	91	33	1510	3,625.50
Ruffman, W.C.	8700	57	2677	20000	60,000.00
Total	18075	177	3815	39811	\$74,428.14

PUBLICITY

Publicity work and the distribution of educational information in connection with the 1947 Extension Program in Newberry County was done through circular letters, press articles, the distribution of bulletins, and farm tours, and radio. A summary of work done in this connection is given as follows:

Summary of Publicity Work

Individual letters.....	716
Circular letters.....	43
Copies mailed.....	15,114
Press articles.....	53
Bulletins distributed.....	4,471
Visual educational meetings.....	7
Farm building model meetings.....	23
Charts and visual material meetings.....	293
Photographs made.....	32
Photographs in newspaper.....	10
Radio talks.....	30

Circulars: A total of 43 circular letters were prepared and 15,114 copies mailed to farmers and 4-H club boys in Newberry County in 1947. These letters contained information on timely agricultural matters, notices of meetings and information on results of demonstrations and experimental work. Specimen copies of circular letters are attached to this report.

Press articles: A total of 53 press articles of timely agricultural interest were published in Newberry County newspapers during 1947.

Bulletins distributed: A total of 4,471 bulletins were distributed to farmers and 4-H club boys during the year.

I. Organization and personnell for labor program in county.

A. Volunteer Workers.

1. List of Farm Labor Committee members and addresses

H.H. Ruff	Newberry, S.C.
H.O. Long	Silverstreet, S.C.
Z.W. Dennis	R-4, Newberry, S.C.
Mrs. Rosa Johnson	R-3, Newberry, S.C.
Mrs. William Senn	R-3, Newberry, S.C.

2. County Agent, P.B. Ezell, and Home Agent, Miss Ethel L. Counts also serve with labor committee.
3. County Agriculture Planning Committee with 32 members appointed the labor committee.
4. Neighborhood Leaders consisting of 104 men and 36 women.
5. Other workers aiding in the program are school superintendents, principals and teachers.

B. Paid Workers.

The only paid workers used in the county are the County Labor Assistant, A.W. Watkins; County Labor Assistant, Charles H. Fant; and a part time secretary, Lorraine Counts.

II. Assistance Farm Labor Program has given farmers to better utilize labor and machinery already on farms.

- A. During the years before the war when farmers had an abundance of cheap labor on the farms, they became rather complacent about the situation and it was more or less taken for granted that each year they would have this ample supply of labor to do any and all jobs. The war changed all of this and as they began to see their labor moving away to town and to higher paying jobs, they began to wake up to realize that something had to be done and since necessity is the mother of inventions, they began to look about for methods of carrying on with short help. I think the labor program helped them with this problem by showing them some of the short cuts that could be made in saving time and labor with whatever resources they did have.
- B. The labor program I think also helped them realize that as their income increased, as they put more personal effort into their operation so their income began to increase and more and more I think they were forced to increase their own tenants wages. They had to provide better housing facilities for their labor and better working conditions.
- C. Then I think the program impressed on the mind of the farmer that he could get a lot more done by cooperating with his neighbors. We see more and more of this every year and even the machinery situation has improved some, I believe we will continue to see these farmers who have been able to help their neighbors with some types of machinery in exchange for other labor, continue to do these custom jobs as they have been doing for the past few years.

An example of this type of cooperation is one that I have in mind

where one of our farmers had a four row dusting machine mounted on his tractor and when some 6 or 8 farmers in his community decided to try the new cotton poisoning (BHC) he came to their rescue and dusted the cotton for them at a very normal cost. I estimate that he worked for at least 8 or 10 farmers, dusting 3 to 4 times approximately 250 acres of cotton. He made a little money out of the effort and plans to do even more of this type of work next year.

- D. Getting around over the country in the spring or at Harvest time, we have a fine opportunity to see what the Labor Program has meant to our young people. We see them doing all types of farm jobs both with machinery and otherwise helping with the farm work. I recall last spring that I stopped along the road where a farmer was cutting wheat with his combine and tying the sacks was his 11 year old daughter. Yes we have found that a fine job of Farming can be done without having all the labor we think we need.

We had a fine bunch of boys at Camp Long this year who took the tractor course and we are quite sure that this training has been good for all of them. Recently I ran across a boy driving a tractor who took the training at Camp Long, even though at the time he did not have a tractor, his father having bought one since he learned to operate.

- E. Even the war is over and farmers may not feel that it is a patriotic duty to help their neighbors, I find that it is rather easy to get custom work done now, because there is more machinery and above all it has grown into a very profitable business.

III. Recruitment and placement of non-farm and farm labor on other farms (white and colored)

A. Youth

As has been stated elsewhere, the Young people have been a fine source of labor for the past few years. We have continued throughout the year to work with these whenever possible. I have conducted a number of 4-H club classes in the schools this year and I always try to impress on them the importance of helping with the farm jobs, and of course we know that without their help on the farms, their elders would not have been able to do such a good job of producing.

- B. One of the best sources of non-farm labor has been of course the colored women in and around small towns and in settlements where the men were employed on public work. We have been able to draw on this type of labor for a good number of farm jobs, such as cotton chopping, cotton picking and numerous other jobs where they could be used.

IV. Investigation of work for USDA, Selective Service and USES.

- A. We have continued our efforts to help farmers whenever possible to secure farm machinery as well as labor and have been able to locate some used and new machinery for quite a few individuals.
- B. There has been quite a few returning veterans who have gone on the farms under the rehabilitating program for returning vets. We have advised with a good many of these and estimate that several hundred have gone back to the farms under this program.

V. Use of Prisoners of War.

We did not have any prisoners of war for farm work in 1947.

VI. Volunteer assistants or non-paid help by individuals on the program.

- A. We continue to have the support of most Civic groups, teachers and other public officials, who have given us invaluable assistance in the program and who are always willing to help wherever they can.
- B. Our community leaders play a very important part in this set up too. We have some mighty fine individuals in each community, who go out of their way to be of assistance to all of his neighbors. We find these men in the ginning business, fertilizer business, seed business or some time an influential store keeper who tries to help his neighbors secure items that are scarce. I think that a community who has such a man is indeed fortunate.

VIII. Some outstanding jobs done by individuals, Farm Machinery Operators, doing Custom Work.

Pressley Boozer of Vaughnville community has done work for an estimated 12 to 15 farmers, ploughing, securing grain sewing, cutting grain and ha

Frank Senn of the Silverstreet community has helped an estimated 20 farmers with various kinds of work, such as harvesting grain, dusting cotton etc.

Boyce and Earl Watkins of Chappells have worked for at least 15 farmers, mostly preparing land and harvesting grain.

Parr Brothers of Newberry have done quite a bit of custom Hay Cutting and baling. They do this on a percentage basis and mostly with lespedeza ha

D.A. Bedenbaugh of Prosperity is not only a fine community leader but does in the course of this year help all of his neighbors, securing gnoe seed, fertilizer and poisoning materials, besides doing a lot of custom work.

I have only listed a few of these farmers who have done such a good job and I am sure will continue to help whenever possible as many of their neighbors as they can.

Without this fine spirit of helpfulness and cooperation we could not have produced as we have.

In March of 1947 we had the Farm Labor Show in Newberry. I did considerable work on this before the show and we had very good attendance and think it was worth while.

In September of 1947, I did quite a bit of work with 4-H club members helping them get their club calves ready for the Newberry County Fair which was held in October. We had a very nice number of club calves on exhibit and did considerable work training these boys to properly groom their animals.

ON THE FOLLOWING PAGES WILL BE FOUND SPECIMEN COPIES
CIRCULAR LETTERS AND NEWS ARTICLES
WRITTEN DURING THE YEAR.

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

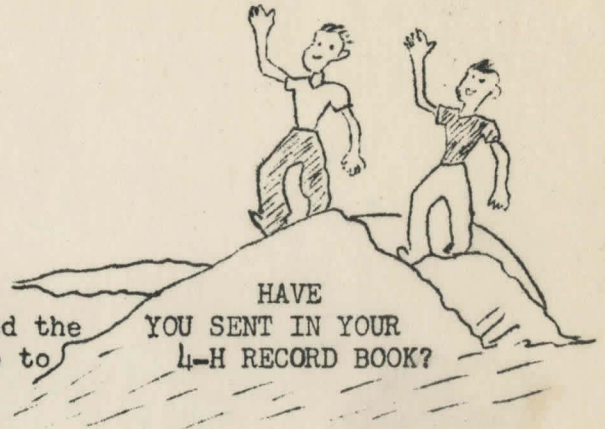
NEWBERRY, SOUTH CAROLINA
October 23, 1947

EXTENSION SERVICE

TO ALL NEWBERRY COUNTY 4-H CLUB MEMBERS

Dear Club Member:

We have come to the end of another 4-H club year. I trust that you have enjoyed the club meetings, the 4-H Council, the trip to Camp Long and any other 4-H activity in which you had a part.



Those members who had fat calves in the fat stock shows and the forestry thinning demonstrations have already sent their records. A few others turned in record books at camp. ALL OTHER 4-H RECORD BOOKS ARE DUE NOW, so please put your completed books in the enclosed envelope and mail it in just as soon as you can.

If you have not completed your project (for instance if you have not sold or butchered your calf, chickens or pig or have not harvested your crop), just get your father to help you estimate the value and count it just as if you had sold the animal or crop.

Remember that each year of completed records gives you a 4-H certificate and 4 years of completed records gives you a 4-H diploma.

You do not have to put a stamp on the envelope, so mail in your books just as soon as possible.

Very truly yours,

W. A. Ridgeway
W. A. Ridgeway
Asst. County Agent

P. B. Ezell
P. B. Ezell
County Agent



yes,
I'm working for a 4-H Diploma.

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Newberry, South Carolina
October 25, 1947



BRING 'EM

ALONG!!

TO ALL MILK PRODUCERS and COW OWNERS IN
NEWBERRY COUNTY:

CALLING
FOR -



The Dairyman -
at the
NEWBERRY HIGH SCHOOL
AUDITORIUM

WEDNESDAY, OCTOBER 29

10 AM to 4 PM

Dairy farmers in Newberry County will have the opportunity to hear Dr. Geo. H. Hopson of New York lecture on MASTITIS and its control and to see the motion picture, "NO HAND STRIPPING", directed by W. E. Peterson of the University of Minnesota, at the Newberry High School Auditorium on Nance Street between the hours of 10 A.M. and 4 P.M., Wednesday October 29.

Mastitis is one of the dread udder infections which is causing so many dairymen so much trouble -- high bacteria counts and loss of one or more quarters. MASTITIS CAN BE CONTROLLED!

Dr. Hopson is a national authority on mastitis and will discuss all phases of it.

Improper use of the milking machine and improper hand milking are the cause of a great deal of our mastitis trouble. The properly managed milking machine will cause less mastitis than poor hand milking or even good hand milking. See an expert - N. S. Carlson - show the proper use of the milking machine in an actual demonstration.

See the newest color picture "NO HAND STRIPPING" by Dr. W. E. Peterson.

Don't Miss This. Bring your milkers with you. Be prepared to ask questions. Lets get the latest practical information on "MASTITIS CONTROL".

Very truly yours,

P. B. Ezell

P. B. Ezell
County Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

Newberry, South Carolina
September 29, 1947

EXTENSION SERVICE

Mr.

Dear

You are invited to attend an Agricultural Program Planning Conference at the County Agent's Office in Newberry on Thursday, October 2, 1947, at 10 AM. It is very important that you attend this conference in order that the best possible farm plan of work be made out for the year 1948.

Agricultural workers are anxious to know just what is best for the county, therefore, we feel that your advise will help a great deal in formulating these plans. A short outline of work done during this year will be presented.

Miss Gertrude Lanham and Mr. L.B. Massey, District Agents, will be present to take part in this discussion.

Very truly yours,

Ethel L. Counts
Ethel L. Counts
Home Dem. Agent

P.B. Ezell
P.B. Ezell
County Agent

Jane Winn
Jane Winn
Asst. Home Dem. Agent

W.A. Ridgeway
W.A. Ridgeway
Asst. County Agent

A.W. Watkins
A.W. Watkins
Farm Labor Assistant

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

Newberry, South Carolina
September 12, 1947

EXTENSION SERVICE

MEETING -

BUSH RIVER SCHOOL
SEPTEMBER 17, 8 P.M.

DON'T MISS IT!



DEAR FRIENDS:

There will be a public meeting at Bush River School house on Wednesday night September 17 at 8 o'clock. The speakers at this meeting will be Director D.W. Watkins, Clemson College Extension Service; Miss Juanita Neely, State Home Dem. Agent, Winthrop College; and Dr. Clarence Poe, Editor of the Progressive Farmer.

The purpose of this meeting is to present a bronze plaque to the I.M. Smith family who have been selected as one of the six new Master Farm Families in South Carolina.

After the meeting there will be a social gathering with refreshments.

We are very anxious for you and your family to enjoy this occasion with the Smiths'.

Sincerely yours,

Ethel L. Counts
Ethel L. Counts
Home Dem. Agent

Jane Winn
Jane Winn
Asst. Home Dem. Agent

P. B. Ezell
P.B. Ezell
County Agent
W. A. Ridgeway
W.A. Ridgeway
Asst. County Agent

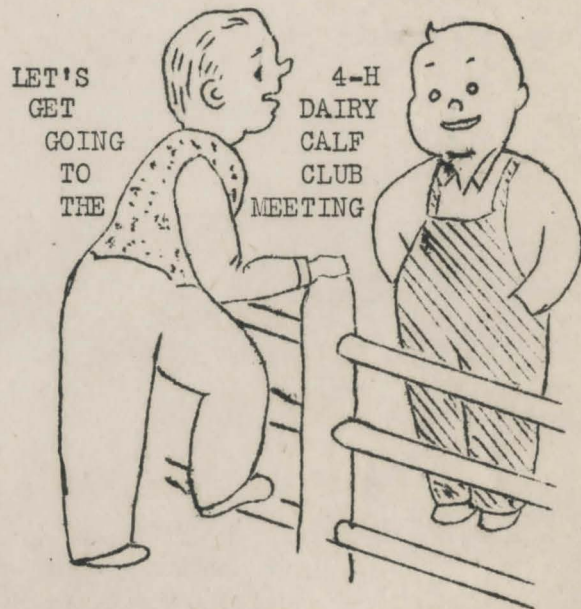
COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

Newberry, South Carolina
August 7, 1947

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE



TO ALL NEWBERRY COUNTY
4-H DAIRY CALF CLUB MEMBERS

Dear Club Member:

This is to remind you of our regular monthly Calf Club Meeting which will be held at the County Agent's Office Saturday, August 9 at 10 AM.

The main thought of this meeting will be "Fitting Dairy Heifers for Show". Don't miss this important meeting.

In your 4-H Dairy Calf Club Handbook, turn to 4-H Dairy Calf Club Manual - Indiana Bulletin No. 143 and study pages 14, 15 and 16.

Yours very truly,

W. A. Ridgeway

W. A. Ridgeway
Assistant County Agent



COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Don't miss it!

IT'S GIGANTIC!

THE BIGGEST FARM EVENT OF THE YEAR

FARM AND HOME LABOR SAVING SHOW

APRIL 2, 10:00 A.M. to 4:00 P.M.

AT THE ARMORY IN NEWBERRY



Everybody is invited, men, women and children, white and negro. Come any time between 10:00 a.m. and 4:00 p.m. and you can see the entire show - it's all FREE.

Several specialist from Clemson and Winthrop Colleges will be here to put on demonstrations with many of the machines. They will have a display of charts and posters on labor saving methods, machines and devices reaching entirely around the inside of the armory. Dealers will exhibit all sorts of labor saving machines for your home and the farm, including small electrical appliances up to huge tractor equipment such as new types of machines for plowing, cultivating and harvesting - potato harvester - flame thrower - timber harvester - irrigation system - Roto-type plow, etc.

IMPORTANT - We know that many of you have worked out short-cuts for saving labor in many ways on your farm and in the home and doubtless have built some kind of home-made equipment such that others would be interested in. If you have any thing along this line either in the home or on the farm we will be glad to put it on exhibit if you will get it to the armory on Tuesday afternoon, April 1st.

DO NOT FORGET DATE, TIME, PLACE!
APRIL 2, 10:00 A. M. - 4:00 P. M. - ARMORY



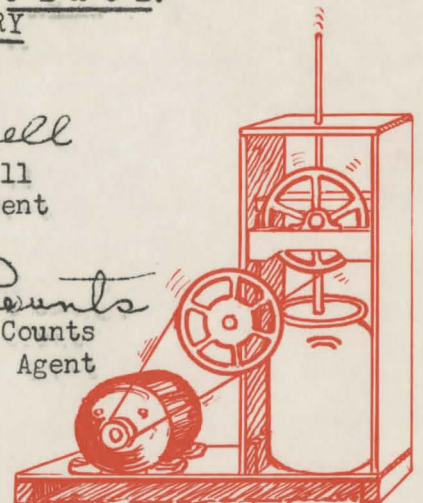
W. A. Ridgeway
W. A. Ridgeway
Asst. County Agent

P. B. Ezell
P. B. Ezell
County Agent

A. W. Watkins
A. W. Watkins
Farm Labor Assistant

Ethel L. Counts
Ethel L. Counts
Home Dem. Agent

**FARM and HOME
LABOR SAVING
SHOW**



Take the labor out of churning -

"Use of TRACTOR, POWER shifts the heavy jobs from the worker to the machine."

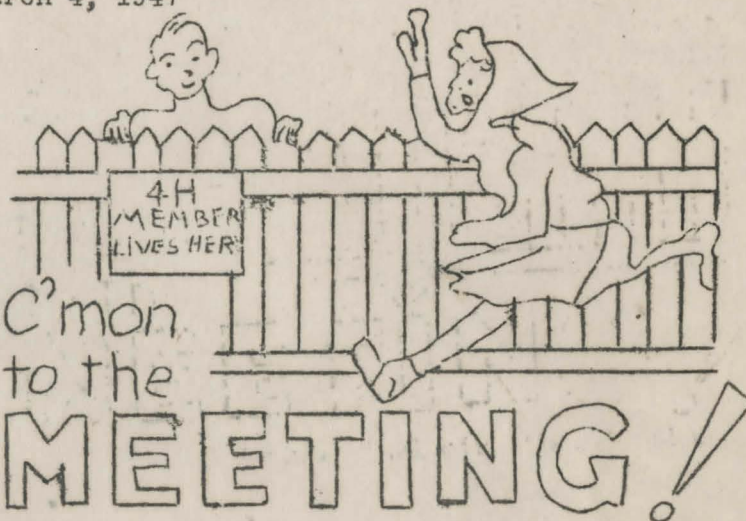
COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Newberry, South Carolina
March 4, 1947



TO ALL NEWBERRY COUNTY
4-H CLUB MEMBERS AND PARENTS:

Dear Club Member and Parents:

You, both club member and parents,
are cordially invited to attend a
4-H party in the Newberry County
Court House Saturday afternoon
March 8th at 2:00 o'clock.

There will be a short meeting of the County 4-H Council including the election
of Council officers for the new year.

Certificates, Diplomas and special awards will be presented. Mr. L.O. Clayton,
District 4-H Club Agent will lead a recreational program.

The party will close with a short picture show after which light refreshments
will be served.

Parents are asked to make a special effort to get their children who are 4-H
club members to this party.

REMEMBER:

PLACE-----NEWBERRY COUNTY COURT HOUSE.

TIME-----2:00 O'CLOCK, SATURDAY AFTERNOON.

WHO IS INVITED-----ALL 4-H CLUB MEMBERS AND THEIR PARENTS.

Sincerely yours,

W.A. Ridgeway
W.A. Ridgeway
Asst. County Agent

P. B. Ezell
P.B. Ezell
County Agent

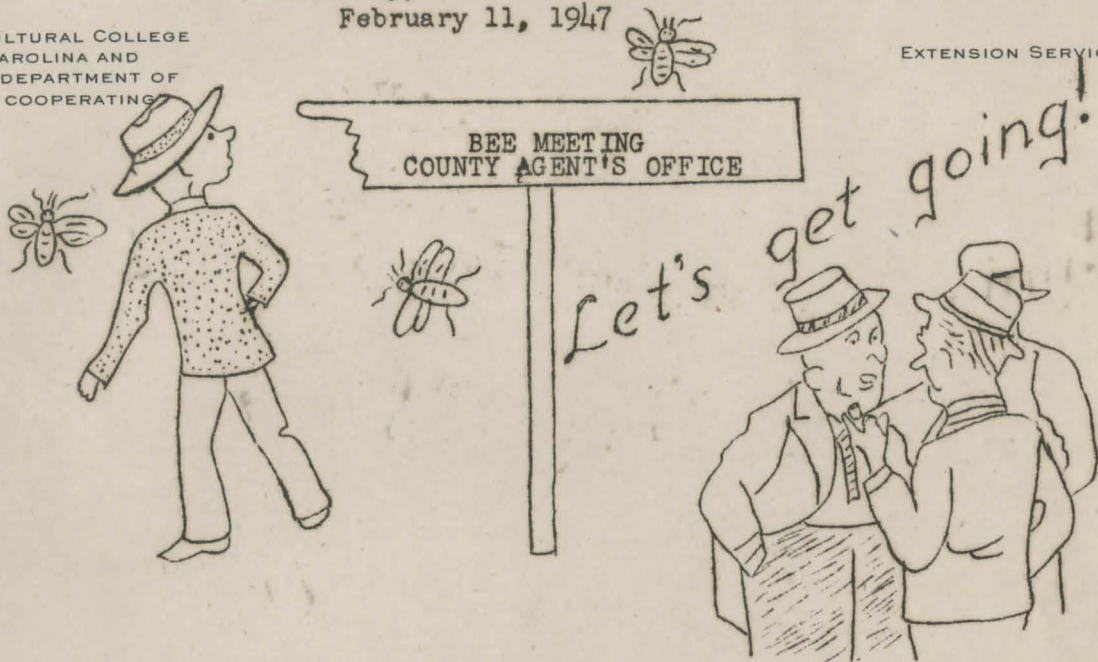
Ethel L. Counts
Ethel L. Counts
Home Dem. Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA
Newberry, South Carolina
February 11, 1947

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE



TO ALL NEWBERRY COUNTY BEEKEEPERS:

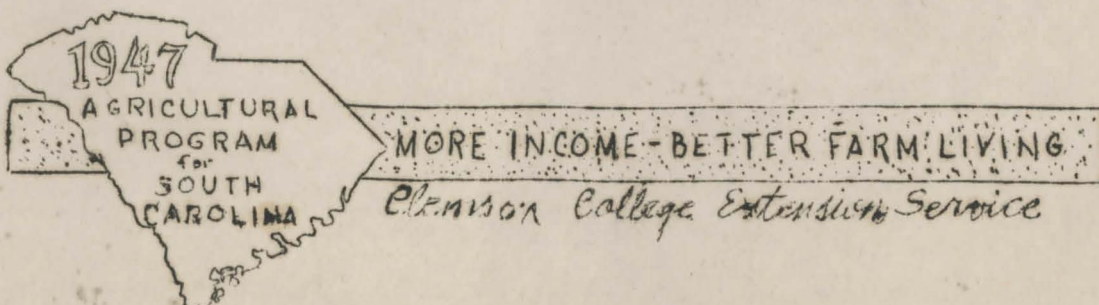
A meeting of all Newberry County Beekeepers is to be held at the County Agent's Office on Saturday, February 15 at 3 PM.

We have arranged for Mr. E. S. Prevost, Extension Bee Specialist, to discuss the things that should be done at the present time for profitable beekeeping.

Yours very truly,

P. B. Ezell
P. B. Ezell County Agent

W. A. Ridgeway
W. A. Ridgeway
Asst. County Agent



NEWS ARTICLE
by
P.B. Ezell, County Agent

Special attention is being given to the livestock show at the Newberry County Fair that will be held on the week of October 13, the hog barn will be open for the first time since the war. The Clemson College Livestock Sanitary Department are testing all show cattle and inoculating all hogs at no cost to exhibitors. County Fair officials are offering attractive livestock premiums that are supplemented by the Newberry Chamber of Commerce.

Guernsey dairy cattle will be judged by C.G. Cushman, Beginning at 10 AM on Tuesday October 14. Mr. Ted Besch from Biltmore Dairies will judge Jersey cattle on Wednesday, October 15 beginning at 10 AM. Dairy cattle are expected from Greenwood, Laurens, Newberry and Saluda counties and hogs from Laurens, Newberry and Saluda.

Beef cattle and hogs will be judged by J.R. Hawkins, Extension Livestock Specialist, on Tuesday October 14 beginning at 10 AM - hogs will be judged in the morning and beef cattle in the afternoon.

NEWS ARTICLE

by

P.B. Ezell, County Agent

Dairy farmers in South Carolina will have the opportunity to hear Dr. George N. Hopson of New York, lecture on Mastitis and its control and to see the Motion picture by Dr. W.E. Peterson of the University of Minnesota and produced by Babsch Bros. Co., entitled "No Hand Stripping", at a meeting at the Newberry High School Auditorium on Nance Street, Wednesday, October 29 from 10:00 AM to 4:00 PM. This meeting is sponsored by the South Carolina Dairy Association.

Mastitis is taking a heavy toll of milk cows in South Carolina and is one of our dairy farmers' most serious problems, says County Agent P.B. Ezell in reminding all dairy farmers not to miss this opportunity to hear Dr. Hopson, a recognized authority on the control of mastitis. Mr. Ezell further stated that "The Picture entitled No Hand Stripping, directed by Dr. W.E. Peterson, who is called 'Dean of Dairy Scientists in the United States', shows the five directions for good milking practices which, if followed, should increase production 15 percent, and important consideration in this time of food shortages".

Other features of this meeting will include a lecture by C.G. Cushman, Leader of Extension Dairy Work, in South Carolina, on Adjusting Milk Production To Demand and an actual demonstration of the proper use of milking machines by N.S. Carlson of the De Laval Company.

This meeting will be an all day program, beginning at 10 AM and ending at approximately 4 PM. It is not limited to members of the South Carolina Dairy Association. All dairy farmers in the State of South Carolina are invited and urged to attend and bring their hired help.

NEWS ARTICLE

by

W.A. Ridgeway, Assistant County Agent

Along with many other educational trips, college scholarships and bond and cash awards offered to rural youth in South Carolina through 4-H club work, Newberry county's Levi Longshore is the State's 4-H Field Crops winner for 1946. Young Longshore is a member of the Bush River Community 4-H club. Competing with other County 4-H Field Crops winners, Levi's all-round club work and field crops work brought him this State honor. He will join some 20 other State 4-H State 4-H project and activity winners for a free trip to the 25th National 4-H Club Congress in Chicago the first week in December.

In his three years of club work the Newberry youth has grown 10 acres of corn, 5 acres barley, 4 acres cotton, 1 acre forestry, $\frac{1}{2}$ acre garden and a beef calf. Besides helping other club members of his club as an officer of his club, Levi and his father have enstalled an enrichment feeder on their corn mill. They have also helped Levi's brother-in-law put an enrichment feeder on his mill.

Levi says, "I really like my 4-H club work, and my father and mother like it too. They lend a helping hand and encourage me with my work. I feel like I have been a help to others in farming, growing victory gardens, and other club work".

The second place State winner in 4-H Field Crops work this year is Carroll Moore of the O'Neal Community 4-H Club.

During his three years of club work Carroll has raised one pig and grown 5 acres of corn. This year he conducted a corn fertilizer field test in cooperation with the Clemson College Extension Service and the Chilean Nitrate of Soda Educationl Bureau.

In addition to growing corn Carroll has won several honors in both the State and County Fairs, with single and 10 ear exhibits. Last spring he sold several bushels of well selected seed corn to neighboring farmers.

NEWS ARTICLE
by
P.B. Ezell, County Agent

Plans have been made to launch a county-wide rat control program in Newberry county during December. This program fits into the health program, the grain conservation program, food production and many other aspects of farm and community life. We have long recognized the damage rats do to stored foods and grains, and the losses they cause become of special significance in the present emergency when a hungry world needs the food they destroy. The success of the program will depend in no small degree upon the full cooperation of the people of the county.

A conference of 4-H club leaders, presidents of Council of Farm Women and other county agricultural leaders will be held at the County Agent's Office at 3 PM November 25. It is expected that final plans for distributing rat bait will be made at this conference.

Rats each year cost the people of Newberry county as estimated \$200,000. This is in addition to the deadly diseases which they spread and the annoyance of having these pests on your premises.

Fortified Red Squill, the poison which will be used, is harmless to people and domestic animals, but has proven deadly effective on rats in the control campaigns which have been conducted by the U.S. Fish and Wildlife Service for a number of years. The bait will be prepared on campaign day and put up in 3-pound packages, which is the amount needed to bait the average farm. Complete instructions for using the bait will be furnished with each package. The cost will be only \$1.00, which is a pretty small price to pay for the relief that will be obtained.

In order to mix the proper amount of bait we must know in advance the number of people that wish to participate. If you wish to take an active part in getting rid of these harmful pests send in your order, along with \$1.00 to the County Agent's Office. The closing date for orders will be Saturday, November 29.

Bait will be prepared only for those who send in orders. You will be notified by mail exactly when and where to obtain your bait. Rats travel from farm to farm; encourage your neighbor to order bait.

NEWS ARTICLE
by
P.B. Ezell, County Agent

Newberry county farmers have been losing a large amount of AAA money by their failure to report things they have done and doing certain other things that will greatly benefit their farm. A few minutes of a meeting which will be held at the County Court House, January 30 at 2:30 PM, will be given over to an explanation of 1947 changes and additional benefits offered by the AAA.

Other important matters to be discussed for 1947 will be the latest information of various farm problems and the latest suggestions on the use of commercial fertilizer says P.B. Ezell, County Agent.

Miss Ethel County, Home Demonstration Agent, has arranged for a feature of the meeting which will have a special appeal for the women which is an exhibit of many useful household conveniences. This exhibit has been assembled by specialists of the Extension Service and will be along many different lines. Make a special effort to take advantage of this opportunity to become informed.

NEWS ARTICLE

by

P.B. Ezell, County Agent

A meeting of interested farmers and agricultural workers was held at the County Agent's Office on Tuesday, November 25. This meeting was for the purpose of making final plans for the county-wide rat control program that is now underway. Red squill rat bait is to be mixed and distributed to the farmers on Tuesday, December 16. In order that necessary ingredients be ordered and delivered it was decided it would be necessary to discontiuene taking orders from farm families on Saturday, December 6.

It appears now that this rat killing campaign will be a success due to the number of orders received daily at the County Agent's Office.

Smiths of Newberry Named One of 6 SC Master Families

Newberry, Sept. 17. — The I. M. Smith family of Kinards, Newberry county, has won the unusually high honor and distinction of being named one of the six Master Farm Families in South Carolina this year. This high and deserving honor is being bestowed by Clemson college and The Progressive Farmer of Raleigh, N. C. This award was made Wednesday night in the Bush River high school auditorium seven miles from Newberry, with a large number of interested farmers and friends from this section in attendance.

Assisting in the award were: D. W. Watkins, director of extension work in South Carolina; L. B. Massey, district extension agent; Miss Juanita Neely, state home demonstration agent, Winthrop college; Miss Gertrude Lanham, district home demonstration agent, Winthrop college; Miss Ethel Counts, county home demonstration agent for Newberry county; Paul B. Ezell and C. B. Cannon, farm demonstration agents for Newberry and Laurens counties respectively.

The award consisted of a Master Farm family certificate and a bronze plaque inscribed with their names for outstanding farm accomplishments and home making and community service.

The Smiths have one of the most ideal brick homes in any rural section in South Carolina located on very fertile land.

Added to this is a fine herd of 165 Guernsey milk cows, the latest dairy and farm equipment. The home is equipped with every modern convenience including electric lights, water, sewerage, and every modern electrified appliance for family comfort. Not only is the dwelling one of the most attractive and best arranged in this section, but this also goes for the 13 tenant dwellings on the Smith plantation, 12 of which are occupied by white families. These homes are also neatly painted outside and inside, have electric lights, water and sewerage conveniences.

At the rear of the dwelling are the dairy barns—the rest barns, the milking barns, the hay and food barns, the milk plant and three modern silos. Everything in connection with the milk plant is the latest. Not a hand touches the milk for milking machines are used. The milk is pasteurized in a 200 gallon vat from where it is pumped to another tank and then bottled and placed in a refrigerator room to await the loading of the trucks for delivery to the consumers, located in Goldville, Clinton, and at Presbyterian college. The Smiths are receiving around 250 to 275 gallons of milk daily from the 35 cows now being milked. They purchase from 500 to 550 gallons daily

from their neighbors. The milk is brought in from these neighbor farmers, processed and pasteurized for delivery. Neighbors furnishing this additional milk are Clifford Smith, J. P. Boozer, Getys Coates and Mrs. Esther Coates.

The latest farm equipment is used, and from the machinery seen every labor saving device is to be found on this Number 1 farm. There are trucks, tractors, mowers, pick-up hay balers, grain elevators, seeding and plowing equipment and every other kind of modern farm machinery obtainable.

Paul B. Ezell, county agent, thinks the main success acquired is the all-around green forage crop which consists of almost every known producing grass, clover, millet, sorghum, alfalfa and clovers and lespedeza.

Often Mr. Smith has hay carried over from one year to another since the cows on numerous winter evenings come in so filled with green food that they refuse dry hay.

County Agent Ezelle says the Smiths are an ideal pair in farm work. Mr. Smith supervises the growing of the crops and the pasturing of the cows while Mrs. Smith take time out from her household duties to see that the milk trucks leave at the proper time and does the entire booking work herself.

Mrs. Smith is a member of the Newberry County Council of Farm Women and served as president of this organization a few years. She was commander of the first cancer drive in Newberry county. She is active in community life and a worker in the Bush River Baptist church. She was named a Master Home Maker in 1946 and is again sharing the honor with her family as a Master Farm Family of South Carolina for 1947.

The Smith's daughter, Margerie, is a junior at Blue Mountain college, Blue Mountain, Miss., where she is majoring in voice. She was a student the past two years at Furman university, and the past summer studied voice at Converse college. She is also active in church and community activities, singing on many occasions and has assisted in summer Bible school work in Clinton and at Summerville.

In the scoring of the 1000 points for a Master Farm Family 225 points were allowed for farm and community life, 350 for operation and organization of the farm, 150 for business methods and ability and 275 for home and homestead.

Year-Round Cash Mart Is Provided For Farms

Private Enterprise And Farmers' Cooperative
Makes Better Pasturage And Produces More
Milk For Food Products

By BOB MARTIN

The well rounded program of dairying from the "grass roots" to the consumer in the form of milk and milk products found in Newberry county would be hard to equal anywhere in the South. There is a ready cash market for the farmer regardless of the quantity or grade of milk produced.

Private enterprise and a farmers' cooperative have established a cash market for sour and sweet cream, grade C milk and for grade A milk produced by hundreds of farmers on land that is growing grazing crops the year around.

Few farmers are financially able to start a well-paying dairy farm of sufficient size to give the volume of milk necessary to make a profit selling grade A milk. It takes a costly barn, equipment, a large acreage of land to grow feed crops and a herd of good cows. But in Newberry county have been provided the steps for a farmer to "grow" into dairying.

STARTED IN 1922

The relatively small Newberry creamery started in 1922 provided the first step—a market for the small farmer who is milking only one or two cows. This creamery has operated continuously since that time and buys sweet and sour cream. It provides a truck route through the county to pick up the product at the farm. Other farmers ship cans of cream to the creamery from as far west as Walhalla and as far east as Walterboro. Six receiving stations covering Greenwood, Abbeville, McCormick, Edgefield and Lexington counties are provided for farmers to bring their product in and sell it for another cash income in addition to their crops. A total of 450 farmers is now selling to the creamery that uses their butterfat in the manufacture of butter in the plant.

For the "middle-size" farmer—one who milks several cows—the Borden company provides truck routes through Newberry county where cans of C grade milk from the farms are picked up by the roadside and brought in, sampled, graded, then poured into tank trucks and hauled to the Chester plant for the manufacture of milk products such as milk solids and evaporated milk.

Approximately 320 farmers, mostly in Newberry county, sell milk to the company which established the receiving station and routes in 1942.

For the "big" farmer—one with a herd of dairy cattle—the Newberry Milk cooperative provides a market for grade A fluid milk. The cooperative was organized by a group of six dairymen supplying pasteurized and raw milk to consumers in the City of Newberry and their modern plant has just recently been completed.

WAY IS PROVIDED

Thus, the steps for becoming a full-fledged dairyman have been provided in this lower Piedmont county. Or, if the farmer desires to sell milk as a sideline from his regular crop farming, a ready market is available for a cash income 52 weeks in the year.

Markets must first be provided for farmers to succeed in any enterprise. But the foundation for the development of dairying in Newberry county is grazing crops, according to County Agent Paul B. Ezell, who has been instrumental in developing the feeding programs, obtaining better blooded cattle and the marketing of the product since its beginning. "And lime and superphosphate is the foundation for good grazing crops," he added.

Mr. Ezell says that the first grazing job of its kind in South Carolina was started in the fall of 1929 on the farm of J. F. Hawkins a few miles west of Newberry. Mr. Hawkins planted an eight-acre field that year in a grazing crop for his herd of milk cows. He used a mixture of two and one-half bushels of barley, two and one-half bushels of oats and 20 pounds of crimson clover sown in the fall. The summer following he planted sweet Sudan grass. This provided an almost year-round grazing program. This same field has been planted

continuously in these crops until this fall when it was sown in alfalfa to cut down weed infestation. Many farmers are afraid to graze their clay fields in this section. But this field has been grazed continuously since 1929 and not a clod can be found and the soil is loose. Mr. Ezell classes the soil at Cecil clay loam.

Mr. Hawkins now has 63 acres of grazing, using the same mixture he used in 1929 and a summer crop of sweet Sudan or pearl millet. He also uses 15 acres of kudzu, alfalfa, annual lespedeza and permanent pasture to provide grazing every month in the year for his herd of 68 registered Guernsey milk cows and the champion Guernsey bull at this year's county fair.

GRAZES EXCLUSIVELY

Marvin M. Ruff, a general farmer just south of Newberry, grazed his cows that produce milk for the grade C milk route continuously since April and got good production without using any other kind of feed. He markets eggs from his flock of 200 hens, produces good seed grain and operates a seed cleaner and treater for farmers of his community. He has sold as high as 25 gallons of milk a day to the operators of the milk route and receiving station. Mr. Ruff says that the milk route offers a good sideline for the general farmer, or for the beginner because it brings in a regular income each week. "It helps the little farmer," is the way Mr. Ruff explained it. The county agent said that it costs the farmer only about \$15 in equipment to be able to sell milk on the route.

The fact that Newberry county is leading the way in grazing and marketing of milk and milk products is shown, according to Mr. Ezell, by the hundreds of farmers and agricultural workers from over the state who have come to the county to observe, first hand, the details of the program.

The great dairying states of Wisconsin and Minnesota were built on such milk routes as are found in Newberry county for low grade milk and cream. These routes lay the foundation for farmers to be able to move slowly into an enterprise that moves slowly itself because nature's way of producing milk does not proceed at a rapid rate. It also gives the farmer an opportunity to learn the business without risking a great amount of money. It provides time for the farmer gradually to change

his program for a more stable economy. It provides a market for surplus milk during peak seasons in the spring and summer.

Agricultural leaders in Greenville county have long felt the need for such a market for low grade milk in this county for processing purposes. There is one of the best markets in metropolitan area for grade A fluid milk as can be found anywhere. Four large plants are now

operating here for distributing grade A milk. Three of them are new, enlarged plants. But leaders in the field still feel that these routes for small farmers are necessary before a great increase in the amount of high grade milk can be expected from the farms of Greenville county. They would also offer a new regular cash income for the average farmer who kept a few milk cows

NEWS ARTICLE

by

P.B. Ezell, County Agent

Animal Husbandry

1. Plant Biloxi soybeans for hog grazing. 2. Castrate pigs at three to six weeks of age and use pine tar to control screw worm. 3. Give suckling sows all they will eat of well balanced ration. 4. Shear sheep after the last cold spell and dip entire flock immediately after shearing. 5. Castrate beef calves at four to ten weeks of age, using the Burdizzo pincers and thus prevent screw worm infestation. 6. Watch for screw worm cases. Use pine tar on the navels of new-born animals.

Dairying

1. Continue liberal grain ration, to cows in milk especially. 2. Interplant plenty of corn and soybeans or plant sorghum and soybeans for ensilage for next winter. 3. Provide sufficient acreage of legume hay to furnish two tons of hay for each mature cow. Seed heavily to hold down grass growth. 4. Seed one-fourth to one-half acre per cow in pearl millet for summer grazing as a supplement to pasture. 5. Keep cows off pasture in early April to give pasture a good start.

Poultry

1. Feed chicks liberally a well balanced ration in clean hoppers. 2. If chicks are brooded in a permanent brooder house or on ground where chicks were brooded last year, move the pullets to a clean range in range shelters as soon as the cockerels are sold for broilers. 3. Select best cockerels for next year's breeders. 4. Keep old hens laying by providing a laying mash.

Turkeys

1. Spray brooder house with DDT for flies. 2. Use automatic waterer to save labor. 3. Have enough range shelter for all poults to be under a roof at least the first few weeks. 4. Put all (heavy) range equipment on skids. 5. Keep breeder flock on grazing.

NEWS ARTICLE

by
W.A. Ridgeway, Asst. County Agent

Burton Lewis, son of Mr. & Mrs. J.W. Lewis, and member of the Prosperity 4-H club was declared county winner in the one-acre 4-H forestry thinning contest. John Scurry, son of Mr. & Mrs. J.F. Scurry, and member of the Chappells 4-H club, placed second. And, Horace Bowles, Jr., son of Mr. & Mrs. Horace Bowles, Sr., and member of the Silverstreet 4-H club placed third.

Placings by individual clubs were: Prosperity club - Burton Lewis, first; Monroe Werts, second; Chappells club - John Scurry, first, Lee McNuer, second, Bill Scurry, third; Silverstreet club - Horace Bowles, Jr., first; Pomaria club - Harvey Oxner, first, James Wicker, second and Hayne Stuck, third.

These plots were judged by Mr. John Billingsley, U.S. Forest Ranger, Mr. John Clark, District Forester and Mr. W.J. Barker, Extension Forester. The boys worked under the supervision of Mr. W.A. Ridgeway, Assistant County Agent assisted by Mr. S.A. Marbut, Assistant Extension Forester.

Plots that were thinned under this program two years ago are showing the benefits of this practice and it is hoped that this program will be continued.