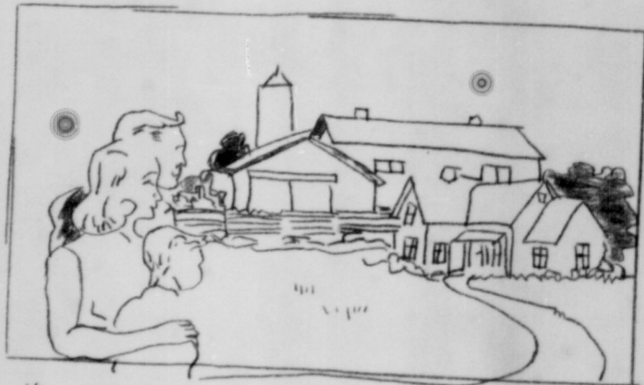


FILED

PLAN OF WORK FOR GILES COUNTY - 1955

Made by

GILES COUNTY BOARD OF AGRICULTURE February 18, 1955



"The Land and Its People"

• E. Starnes, County Agent, Pearisburg, Va.

• W. F. Rhudy, Assistant County Agent, Pearisburg, Va.

Mary Douglas P. McDonald, Office Sec., Pearisburg, Va.

FARMER'S CHECK SHEET FOR BALANCING FEEDS RAISED WITH LIVESTOCK ON FARM

Kind of Livestock	No. Animal	<u>Hay</u>		<u>Grain</u>		<u>Pasture</u>	
		Units	Farm	Units	Farm	Units	Farm
	Units	Req.	Supply	Req.	Supply	Req.	Supply
Beef Cattle							
Dairy Cattle							
Sheep							
Hogs							
Horses							
Poultry							
Totals							

1 cow or  
 1 horse or  
 1 2 yr. old steer or heifer or  
 2 1 yr. old " " " or  
 3 calves or  
 5 sheep or  
 2 hogs or  
 100 hens

Constitute an animal unit

BASIC LIVESTOCK INFORMATION

Estimated Annual Feed Requirements for Meat Animals

Beef Cattle

Breeding Herd	Hay	Steers	Hay	Fattening Cattle
Cows	2 tons	*Calves	1 ton	2 lbs. grain per day per 100
*Yearlings	1½ "	**Yearlings	1½ "	lbs. body wgt. 1 lb. hay
*Calves	1 "	** 2 Yr. Olds	2 "	per day per 100 lbs. body
Bulls	2½ "			wgt.

\* Add 150 lbs. protein supplement and 300 lbs. corn to the roughage requirements of mixed hay  
 \*\* Add 100 lbs. protein supplement and 400 lbs. corn to the roughage " " " "  
 Cut out protein supplement when feeding good quality alfalfa hay

Pasture Requirement

	Blue Grass	Ladino-Tall Grass	Pasture requirement varies in
Cows	2 to 6 acres	1½ to 4 acres	direct relation to fertility and
2 yr. olds	2 to 6 "	1½ to 4 acres	rainfall as other crops
1 yr. olds	1 to 3 "	1 to 2 "	

Sheep

100 day Feeding Period

90 lbs. grain and 400 lbs. good legume hay without winter grazing for breeding ewes  
 90 lbs. grain and 275 lbs. good legume hay plus winter grazing for breeding ewe  
 One fourth to three fourths pasture depending on quality  
 Do not stock heavier than one ewe per 1½ acres of available pasture or one ewe per cow

Hogs

Sows - 45 bushels (2520) lbs. corn plus 200 lbs. protein supplement and one half A. Ladino Clover  
 Fattening hogs - 12 bu. corn (772 lbs.) plus 60 lbs. protein supplement and

Feed Equivalents for Wintering

<u>Roughages</u>			
Good quality hay	1	Corn	100%
Corn Silage	2½	Wheat	103%
Grass Silage	3	Barley	90%
Grains	1/3	Grain Sorghum	95%
		Oats	85%

Work Horses 1000 to 1200 lbs.

3 acres pasture plus 2 tons hay plus 30 bu. corn or 15 bu. corn and 20 bu. oats

Poultry

75 lbs. grain for mature hen, 35 to 40 lbs. grain to develop a baby chick to maturity  
 For laying hens feed 2 oz. grain and 2 oz. mash per day per hen (large breeds)  
 " " " " 1½ " " " " " " " " (small breeds)  
 1 acres pasture for 200 to 300 hens

See Agent about balanced rations. On Feeding Dairy Cattle. Plans and Circulars on Housing and Equipment

LIVESTOCK MANAGEMENT PLAN FOR YEAR 1955

Owner's Name \_\_\_\_\_ Address \_\_\_\_\_ Date Enrolled \_\_\_\_\_

Beef Cattle

Breed	On hand No.		No.		Mkt. Grades					On hand No. Reg.			
	Jan. 1	Born	Raised	Bgt.	Sold	Ff.	Ch.	GD.	Md.	Cm.	Wgt.	Dec 31	Grade
Bulls													
Cows													
Heifers 1 Yr.													
Heifers 2 Yr.													
Calves													
Steers													

Farmer's Plans for 1955 \_\_\_\_\_

Dairy Cattle

Breed	On hand		No. calves		No.		No. Rep.		No. cows		On hand		No. Reg.	
	Jan 1,	Born	Born	Raised	Sold	Bought	Hfrs.	kpt.	brd.	art.	Dec 31	Grade	Dec 31	Grade
Bulls														
Cows														
Calves														

Whole Milk produced in Lbs. \_\_\_\_\_ Butterfat Content \_\_\_\_\_ % Grade \_\_\_\_\_

Farmer's Plans for 1955 \_\_\_\_\_

Sheep

Breed	On hand		No.		No.		Total	Market Grades				On hand No.		
	Jan. 1	Born	Born	Raised	Bgt.	Sold		Wgt.	B.O.	R.O.	R.Sh.	R.Blk	Dec. 31	Reg.
Rams														
Ewes														
Lambs														

Pounds wool produced \_\_\_\_\_ Tied or Untied \_\_\_\_\_ Grades \_\_\_\_\_

Farmer's Plans for 1955 \_\_\_\_\_

Hogs

Breed	On hand		No.		No.		Market	No. butchered		On hand		No.	
	Jan. 1	Born	Born	Raised	Bgt.	Sold		Wgt.	Grade	home use	Dec. 31	Reg.	G.
Boars													
Sows													
Pigs													

Farmer's Plans for 1955 \_\_\_\_\_

Work Stock

No. horses or mules on hand \_\_\_\_\_ No. purchased \_\_\_\_\_ No. raised \_\_\_\_\_ On hand end YE. \_\_\_\_\_

Poultry

No. laying hens \_\_\_\_\_ Breed \_\_\_\_\_ Baby chicks bought \_\_\_\_\_ No. raised \_\_\_\_\_ No. eggs sold \_\_\_\_\_

INFORMATION ON CROP VARIETIES ADAPTED TO GILES COUNTY

Corn Hybrids-Full Season

Yellow: VPI 645, 646; US 505  
Woods V-26; JS 13  
White: Ind. 750

Medium Early

Yellow: Ohio C-54; Ohio W-64  
Pioneer 342 A.

Early

Yellow: Wis. 412 & 355

Silage

yellow: US 262 & 262 A; US 13  
N.C. 1032; US 578

Spring Oats

Andrew, Clinton, Mo. O-205

Rate of Planting

Large Flats lbu. 4.8 A.  
Medium " 1 bu. 5.5 A.  
Small " " " 6.4 A.  
Med. Thick " " 4.8 A.  
Large Round " " 4.4 A.  
Med. Round " " 5.2 A.

14,000 Stalks Per Acre  
Plant

Row Width Between Plants

38 in. 12 in.

40 " 11 "

42 " 10 " ©

16,000

38 " 10½ "

40 " 10 "

42 " 9½ "

2 to 2½ bu. per A.

Fertilizer Recommendations

600 to 900 lbs. 10-10-10 Top  
dress with 200 to 400 lbs. nitrate  
of soda or 100 to 200 lbs. Ammonium  
Nitrate

Available Nitrogen in 100 lbs.

Nitrate of Soda 16%  
Cal Nitro 20%  
Ammonium Nitrate 33%

Lime

General: 2 tons ground limestone  
or equivalent every 4th yr.

1 Ton burnt Lime equals 2 tons  
ground limestone or 1½ tons of  
hydrated or slaked lime.

400 to 600 lbs. 4-16-8; 4-12-8  
or 5-10-5. Top dress 100 to  
200 lbs. Nitrate of Soda

Alfalfa

Cert. Williamsburg, Buffalo  
Ranger, Atlantic  
Kansas Common, Okla. Approved  
Grimm & Narragansett (last 2  
recom. high altitude)

15 TO 25 LBS. alone  
15 to 20 lbs. with  
3 to 5 lbs. Orchard  
Grass

1000 to 1200 lbs. 2-12-12 or  
equivalent per acre with 15 to  
20 lbs. Borax

400 to 600 lbs. 0-14-14 or 0-16-8  
If corn and small grain preceding  
clover in rotation received heavy  
applications of fertilizer as  
above recommended, the clover may  
not need additional fertilizers

Red Clover

Cert. Kenland, & Va. Adapted  
Va. Adapted, Not Cert.

8 to 10 lbs. alone  
2 to 6 lbs. in mixtures

White Clover

Large type Ladino  
Small " White Dutch

2 lbs. in mixtures

With bluegrass 800 to 1000 lbs.  
of 4-12-8 every 3 to 4 yrs.

Orchard Grass

Domestic or  
Native grown

8 to 15 lbs. alone  
3 to 10 lbs. in mixtures

400 to 500 lbs. 4-16-8 when  
seeded alone  
800 to 1000 lbs. 2-12-12 or  
5-10-5  
300 to 400 lbs. 0-14-14 or  
0-10-20.

Soybeans

Perry (Late)  
Va. Brown  
Wilson

4 to 6 pecks broadcast  
average size seed  
6 to 8 pecks large  
seed

Lespedeza

Korean, Kobe  
Climax

20 to 30 lbs. alone  
10 to 20 lbs. in mixtures

400 to 500 lbs. 0-14-14

Wheat

VPI 131 (bearded)  
Ehorne, Vahart  
Seneca

4 to 6 pecks

400 to 600 lbs. 4-12-8 or 4-16-8  
or 5-10-10

Barley

Wong, Ken. No. 1  
Kenbar

6 TO 8 pecks

Same as for Wheat

Oye

4 to 6 pecks for grain

Same as for Wheat

Abruzzi

6 to 8 pecks for grazing

FARM MANAGEMENT

LAND USE - CROP PLAN FOR 1955

Yield Per Acre	Amt. Purchased	Amt. Sold	Amt. Mixed Feed Bought	Acres Rented	Acres Share Cropped	Landlords Share
<u>Acres in Corn</u>						
<u>Acres in Wheat</u>						
<u>Acres in Oats</u>						
<u>Acres in Barley</u>						
<u>Acres in Rye</u>						

Crop Rotation Practiced: 1st Yr. \_\_\_ 2nd \_\_\_ 3rd \_\_\_ 4th \_\_\_ 5th \_\_\_

<u>Hay</u>							
Yield Per A.	Acres Rented	Acres Share C.	Tons Purchased	Tons Sold	Tons Ensiled	Times Mowed	
<u>Acres in Alfalfa</u>							
<u>Acres in Alfalfa &amp; Orchard grass</u>							
<u>Acres in Clover-Grass</u>							
<u>A. Lespedeza-Grass</u>							
<u>A. Lesp. Grass follow- ing small Grain</u>							

<u>Pasture</u>							
Acres Required 1 Animal Unit	Acres Rented	Acres to be Set to Trees	Acres Improved Clipped	Acres Improved Sprayed	Acres Improved Fertilized	Acres Improved Limed	
<u>A. Bluegrass-W. Clover</u>							
<u>A. Orch. Grass-Ladino</u>							
<u>A. Grass-Bushes, Briars</u>							

<u>Supplemental</u>							No. Animals Grazed	Yield if Cut for hay
Acres	Date Seeded	Rate Seeded	Grazing Period	Kind	Kind	Kind		
<u>A. Sweet Sudan-Millet</u>								
<u>A. Soybeans</u>								
<u>A. Sweet Sudan-Soybeans</u>								
<u>A. Small Grain</u>								
<u>A. Cr. Clover-Rye Grass</u>								

Acres in Green Manure Crops Turned Under \_\_\_ Kind of crop or crops \_\_\_

<u>Woodlands</u>							
Acres in woods pastured	Acres fenced	Acres not pastured	Acres reforested	No. seedlings set	Kind	Kind	
<u>" " " not pastured</u>							
<u>" " " Reforested</u>							
<u>" " buildings, lots, roads, etc.</u>							

Total acres in farm \_\_\_

Giles county farmers produced in 1950, a good hay year 10,564 tons of hay  
 Giles county farmers own approximately 10,000 animal units, which is 8/11 head of cattle or  
 7/8 head of sheep for each acre hay  
 Giles farmers have approximately 1 ton of hay for each animal unit - need to double hay yield  
 Giles county has 56,000 acres of pasture and 13,000 acres cropland  
 Cropland divided as follows: Alfalfa, 3000 A.; Corn, 3000A.; Mixed Hay, 6000 A. other crops 1000 A.  
 Over one-half of the hay now produced in Giles County is Alfalfa

Giles County Farm Management Demonstration

1955

Date Enrolled \_\_\_\_\_

Farmer's Name \_\_\_\_\_

Address \_\_\_\_\_

Contents

Map of Farm before Plan	1
Map of Farm After Plan	2
Land Use - Crop plan 1955	3
Information on Crop Varieties	4
Livestock Management Plan for 1955	5
Basic Livestock Information	6
Farmer's Check Sheet	7

Sponsored by the Banks of Giles County

in cooperation with

Virginia Agricultural Extension Service