

DEMONSTRATIONS

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It is confidently believed that improvement along these lines will be rapidly followed by increase in the number and improvement in the type of animals used for pork production, in fact, this has almost invariably proven to be true on farms where such work has been conducted.

Feeding demonstrations have been planned on 20 farms in 14 counties, as shown by the accompanying map.

Owing to lack of sufficient help to keep in close touch with demonstrations, not all of the demonstrations planned have actually been carried through to completion, but herds ranging in number from 5 to 34 and totaling 125 hogs have been on actual record, both the animals and the feed consumed by them being weighed monthly until the hogs were disposed of.

The average results of all such demonstrations appear in the following table:

AVERAGE RESULTS OF ALL FEEDING DEMONSTRATIONS.

Conducted by the Office of Swine Extension during 1921.

Total Number of Hogs Used.	Average Daily Gain Per Pig	Lbs. Feed per 100# Gain	Feed Cost per 100# Gain	Value of Gains @ 10%	Total Cost of Feed.	Daily Ration per 100# Live Wt.	Return over feed cost @ 10%	Monthly Returns per acre pasture
125	1.25	264	\$5.85	\$1030.14	\$603.43	3.73	\$426.71	\$15.23

Prices at which Feed was charged: Corn \$1.00 per bushel; Tankage \$70.00 per ton; Corn Meal \$40.00 a ton; Wheat Shorts \$40.00 a ton.

Results obtained from such demonstrations are convincing and afford definite proof of the profits to be derived from the proper feeding and care of hogs.

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Other demonstrations conducted during the year have been in the building of colony houses; self-feeders and breeding crates, at points designated on the map.

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Assistance has been given to farmers in buying breeding stock; in a great many instances animals have been personally selected when this could be done without the expense of a special trip for the purpose. Many animals of known merit have been recommended to inquiring prospective buyers, and a large percentage of such recommendations have resulted in sales.

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This is due to the fact that pressure of other work has left very little time for Pig Club work.

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and similar work, such as assistance in the organization of Breed and selling associations.

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The Office of Swine Extension has revised the premium list, selected judges, and in fact, conducted the Swine Department of the Fair. Under our supervision, this department has doubled its housing capacity and increased the premium money 77% during 1920 and 25% during 1921.

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Timely articles are prepared for the press, a large percentage of which are used.

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and a monthly letter has been substituted. The spirit with which this letter is received is indicated by the receipt within a week of letters of congratulation and commendation from farmers; requests from a Banker for 500 copies to enclose in a monthly paper issued by his bank, and permission from the President of a co-operative association to print it in their Association paper with a circulation of 570 members.

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This Office has co-operated with the Department of Vocational Education in putting on "Short Time Schools in Swine Husbandry."

These were not started until late in the season, and were held in only three counties, but already we have applications for more assistance along that line during the coming winter.

These short courses were considered very successful, and I am advised by the Director, Roy Hillman Thomas, that the program made use of by this office has since been adopted as a standard by the Federal Department of Vocational Education.

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Blue Prints of this method, for class room use, are now available, as are also a revised score card (Extension Circular No. 116) which has also been made by this Office, to be used in conjunction with the blue prints referred to above.

A rather large and very complete Bulletin on "Fara Fencing" has been written jointly by the Offices of Dairy Cattle; Sheep; Poultry and Swine Extension.

SCENARIO FOR MOVING PICTURE.

A strictly educational Serio-comic scenario for a moving picture has been submitted to Mr. W. S. Crosby, Director of the Department of School Extension, who says of it: "It would be popular wherever hogs are raised".

Because of their ready adaptability, animated cartoons have been largely made use of in this scenario.

Mr. Crosby says further of it: "It opens up a new, wide and, as yet, untouched field of usefulness for the movie, and if put in our circuit, would go before over twenty thousand people in rural communities." These are the very people with whom we wish to get in closer touch, and this seems the only feasible method of doing so. The expense of making the film would be around \$500 and I believe that sufficient copies could be sold to institutions of other states to pay for the negative.

RECOMMENDATIONS.

- (1) I would respectfully recommend that some arrangement be made whereby the film referred to above can be produced.
- (2) That as soon as practicable, an Assistant for this office be employed, one who could devote nearly his entire time to field work, especially to concrete demonstrations of proper and profitable hog feeding in the cotton belt, the value of suitable pastures for hogs

and the best time for marketing hogs of a good quality, which were worth \$4.80 per hundred less November 15th than they were August 1st of this year.

W. W. SHAY, In Charge.

CONDENSED REPORT OF ACTIVITIES

OFFICE OF SWINE EXTENSION, WEST RALEIGH, N. C.

Fiscal Year Ending December 31, 1921.

Date	Travel			Letters Written	Circular Letters	Demonstra- tions & Lec- tures Deliv- ered.	Atten- dance.	Articles Written	Copy for Charts, blotters bulletins and circulars
	Rail	Auto	Total						
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15th Nov.	500	20	520	72	0	1	30	3	Copy for Current year price chart.
Total	6425	1678	8103	1258	23	20	2012	32	12

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ANNUAL REPORT
OF
ACTIVITIES OF THE OFFICE OF SWINE EXTENSION
FOR THE FISCAL YEAR ENDING
DECEMBER 1st, 1921.

Map showing location of demonstrations by Office of Swine Extension.



□ Feeding Demonstrations 20.

△ Colony House Building Demonstrations 7.

○ Self-feeder Building Demonstrations 4.

× Breeding Crate Building Demonstrations 3.

TIMELY SUGGESTIONS

- Decrease the amount of corn in the brood sow's ration
- Wheat bran is a good substitute
- A little linseed meal is fine
- Watch for and prevent costiveness
- Avoid the possibility of draughts on young pigs
- See that fenders are in place
- Use judgment with the bedding
- Have the sows gentle—get their confidence
- Keep things quiet around the farrowing pen
- Arrange to use the sunshine—the little pigs need it
- Provide a dry, sunny place for exercise
- Go very easy on feed for a week after farrowing
- Bulky rather than rich feed for the mother and the youngsters

1921 MARCH 1921

SUN	MON	TUES	WED	THUR	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

OFFICE OF
SWINE EXTENSION
WEST RALEIGH, N. C.

RECIPES AND TABLES

FEED FOR TWO PIGS. TRY THIS

100 pounds 60% Fish Meal or Tankage
100 pounds Wheat Shorts or Red Dog
375 pounds Corn Meal
375 pounds Shelled Corn (feed separately)

MIX THOROUGHLY

No. 1		No. 2	
	<i>Lbs.</i>		<i>Lbs.</i>
Wheat Shorts.....	50	Wheat Shorts.....	25
Tankage.....	25	Tankage.....	25
Corn Meal.....	25	Corn Meal.....	75
Total.....	100	Total.....	125
No. 3		No. 4	
	<i>Lbs.</i>		<i>Lbs.</i>
Wheat Shorts.....	25	Tankage.....	25
Tankage.....	25	Corn Meal.....	175
Corn Meal.....	100	Total.....	200
Total.....	150		

Feed No. 1 from weaning to about 60 pounds.
Feed No. 2 from about 60 pounds to 100 pounds.
Feed No. 3 from about 100 pounds to 150 pounds.
Feed No. 4 from about 150 pounds to finish.
(Now you see why pigs of different ages should be fed separately.)
The above mixtures should be fed in the form of a thick slop.
For each pound of any of the above mixtures feed one pound of shelled corn.

ANNUAL REPORT

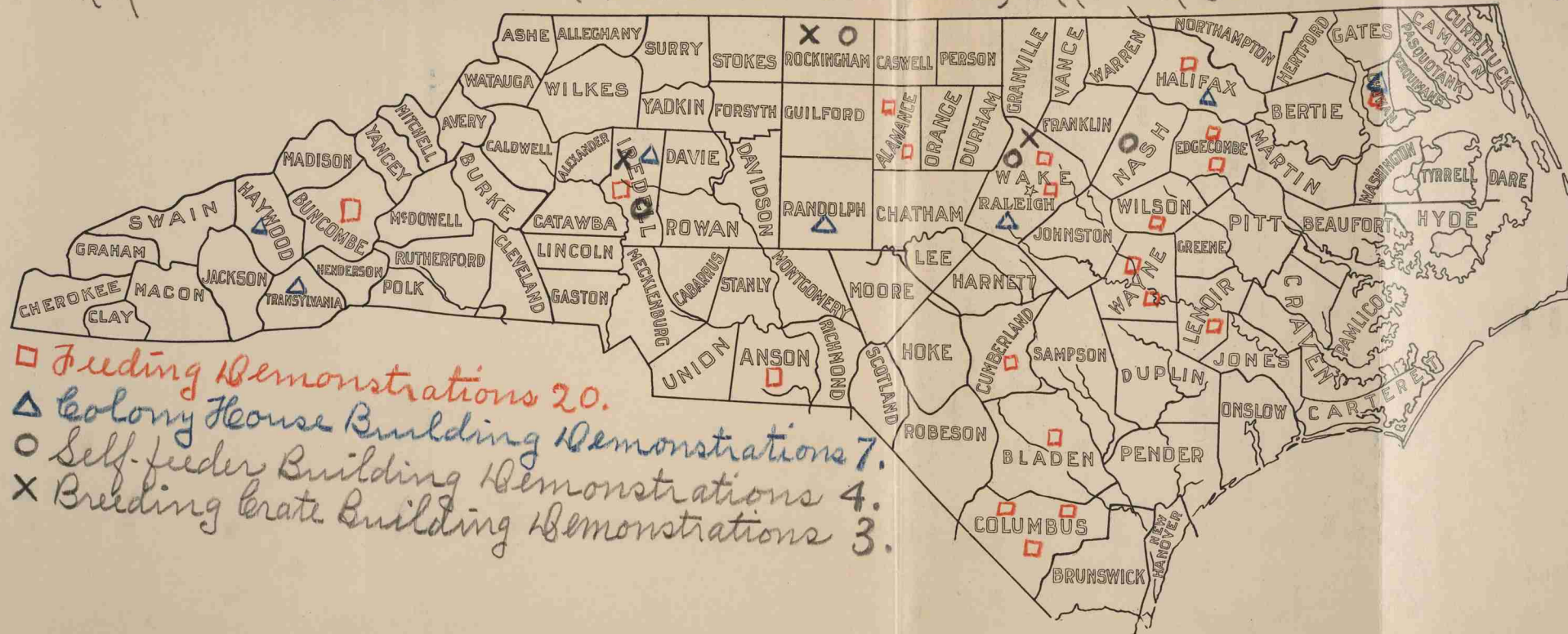
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DEMONSTRATION OF PORK PRODUCTION

Farm of W. S. Vestal - Graham, N. C.

W. K. Scott, County Agent.

30 DAYS - JUNE 1ST - JULY 1ST, 1921 - RED CLOVER PASTURE

19 LARGER PIGS			13 SMALLER PIGS			32 HEAD		
Date	Average Weight	Total Weight	Date	Average Weight	Total Weight	Date	Average Weight	Total Weight
7 - 1	104.68	1993	7-1	49.3	641	7-1	32.3	2634
6 - 1	66.58	1265	6-1	27.3	355	6-1	50.6	1620
Gain	38.1	728	Gain	22.	286	Gain	31.7	1014

RED CLOVER PASTURE

THE FEED - AND COST.

Corn	1331# (23.77 bu.)	@ \$1.00	\$25.77
Corn Meal	460#	@ 2¢	9.20
Shorts	145#	@ 2¢	2.90
Tankage	265#	@ 3.5¢	9.27
	2201 Pounds @ .021		\$45.14

Average Daily gain per pig	Feed per 100# gain	Cost of Feed per 100# gain	Value of gains @ 10¢ per lb	Amt. credited to pasture	Value of pasture 10 head per acre.	Pounds pork credited per acre pasture
1.06	217.06#	\$4.56	\$101.40	\$56.26	\$17.60	176

OFFICE OF SWINE EXTENSION.

DEMONSTRATION OF PORK PRODUCTION

Farm of W. S. Vestal, Graham, N. C.
W. K. Scott, County Agent.

2 Periods { June 1st to July 1st - 30 days } 61 Days
 { July 1st to August 1st - 31 days }

Thirty-two Head - - - - Clover Pasture

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Gain	38.1	728	Gain	22.0	286	Gain	31.7	1014
Daily	1.27	24.3	Daily	.73	9.53	Daily	1.06	33.9

SECOND PERIOD - 31 DAYS.

8-1	143.33	2733	8-1	79.0	1027	8-1	117.5	3760
7-1	104.68	1993	7-1	49.3	641	7-1	82.3	2634
Gain	38.65	740	Gain	29.7	386	Gain	35.2	1126
Daily	1.25	23.87	Daily	.96	12.45	Daily	1.13	36.33

BOTH PERIODS - 61 DAYS.

8-1	143.33	2733	8-1	79.0	1027	8-1	117.5	3760
6-1	66.58	1265	6-1	27.3	355	6-1	50.6	1620
Gain	76.75	1468	Gain	51.7	672	Gain	66.9	2140
Daily	1.26	24.0	Daily	.85	11.0	Daily	1.1	35.1

THE FEED - AND COST.

Corn	3121#	55.73 Bushels	@	\$1.00	\$55.73
Shorts	418#		@	.02	8.36
Tankage	538#		@	.035	18.83
Corn Meal	1550#		@	.02	31.00

5627 Pounds @ .202 \$113.92

Feed per 100# gain	Cost per 100# gain	Value of Gains 10%	Total Cost of Feed	Value of Pasture Pork at 10%	Average Daily ration per 100# live Wt.
263	\$5.32	\$214.00	\$113.92	\$100.08	3.43

NOTE: Similar hogs quoted Richmond, August 1st, \$13.00.

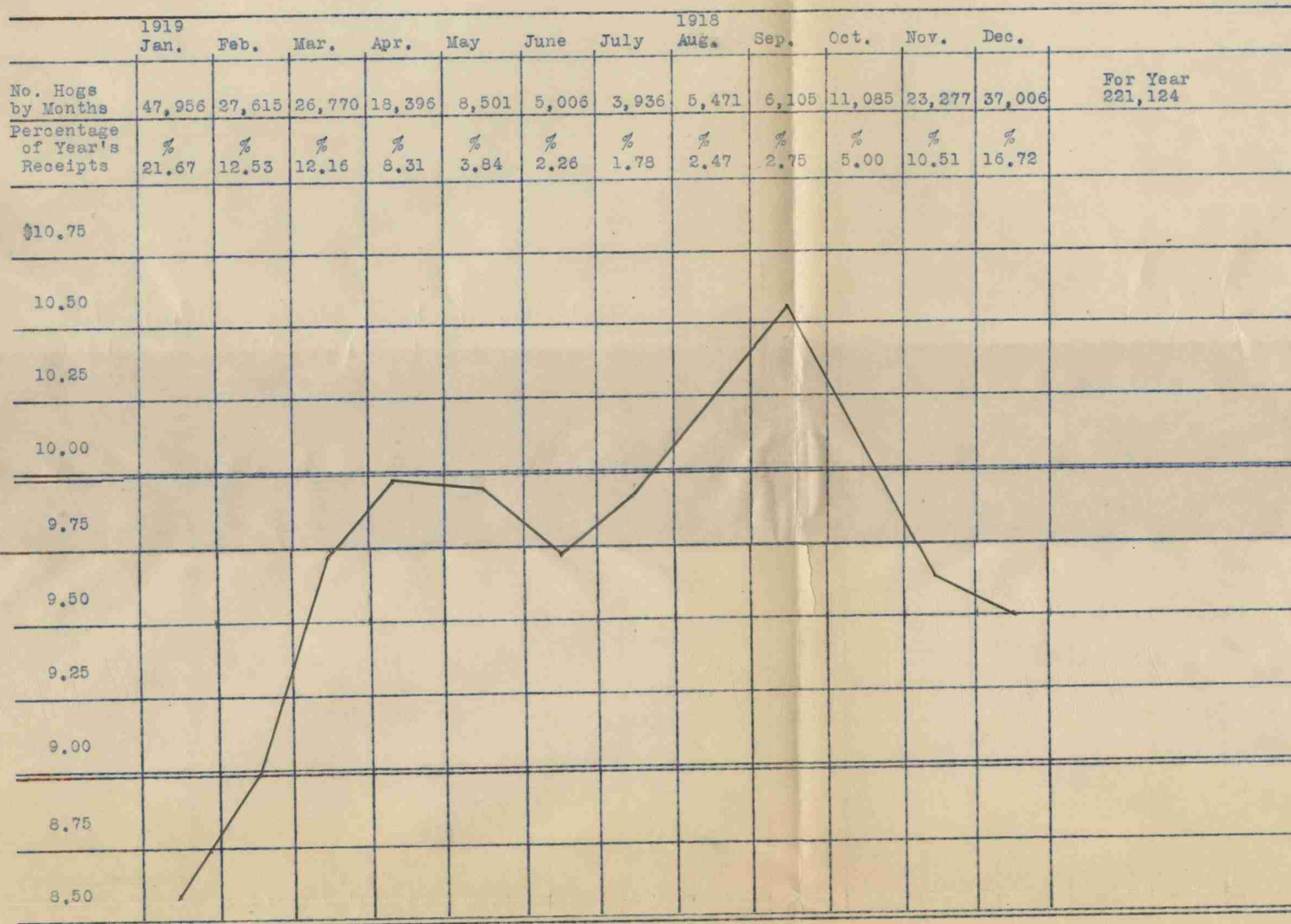
HOG PRICES AND RECEIPTS

BY MONTHS

COMBINED RECEIPTS FOR ONE YEAR AT THREE MARKETS.

ANDALUSIA, ALA.; MOULTRIE, GA.; & JACKSONVILLE, FLORIDA.

PRICE TREND, AVERAGE OF TEN YEARS, CHICAGO MARKET.



BALTIMORE HOG PRICES

ONE YEAR - 1921.

Office of Swine Extension.

