

VIRGINIA POLYTECHNIC INSTITUTE

GRAPHS OF  
**SWINE FEEDING**  
EXPERIMENTS

MAJOR ..  
.. THESIS

Submitted for the degree of Master of Science in  
Animal Husbandry

By  
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May - 1924

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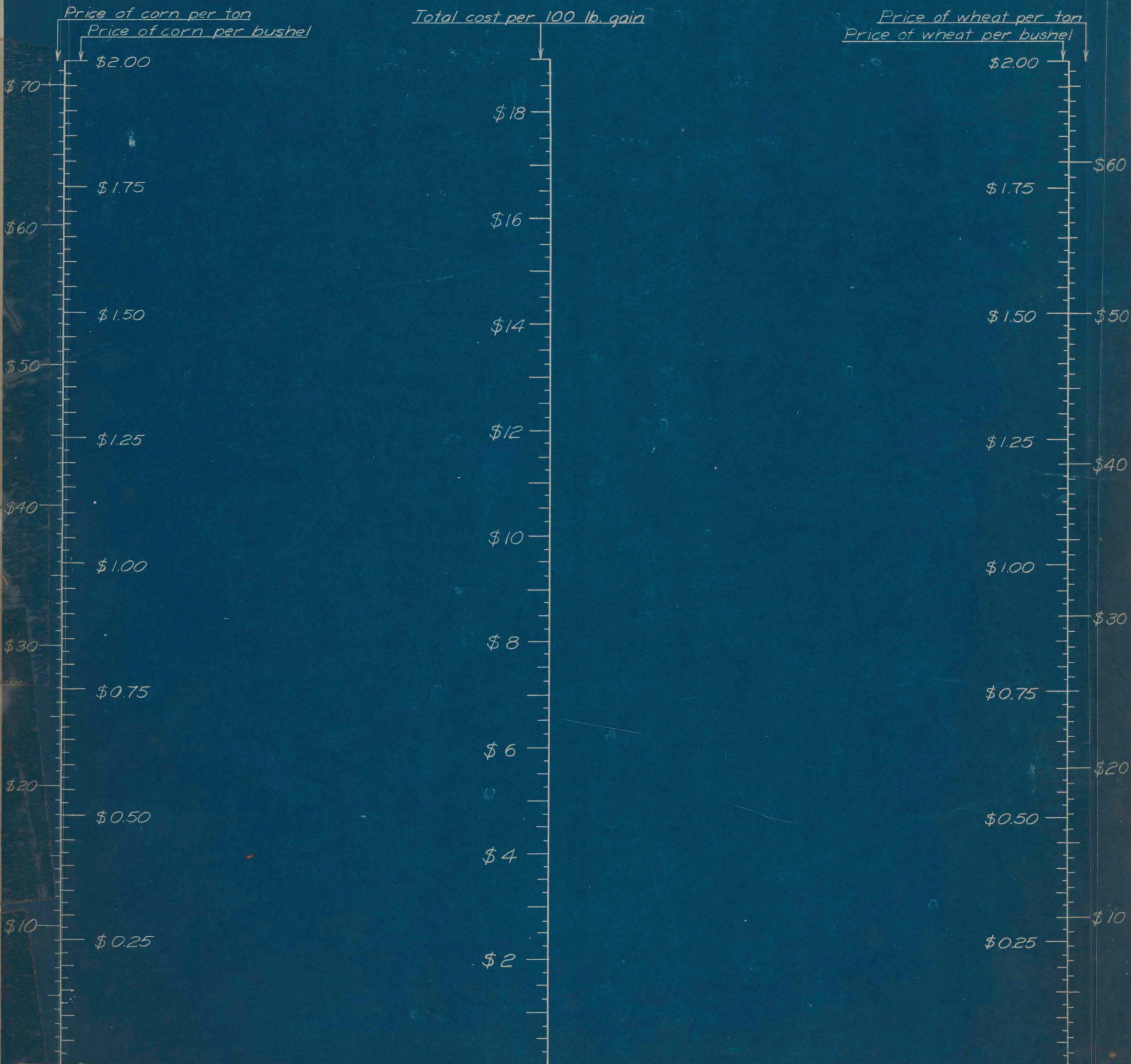


# MISSOURI SWINE FEEDING

## CALCULATING COSTS PER 100 LB. GAIN

Average initial weight 91.2 pounds. Average of 2 trials using 17 hogs. 120 day feeding period.  
 Total gain per hog 130 pounds. Average daily gain per hog 1.01 pounds.

FEEDS USED	TOTAL CONSUMED	DAILY RATION (per hog)	FEED PER 100 LB. GAIN
Ground wheat	3,069.5	3.02	273
Ground corn	3,069.5	3.02	273

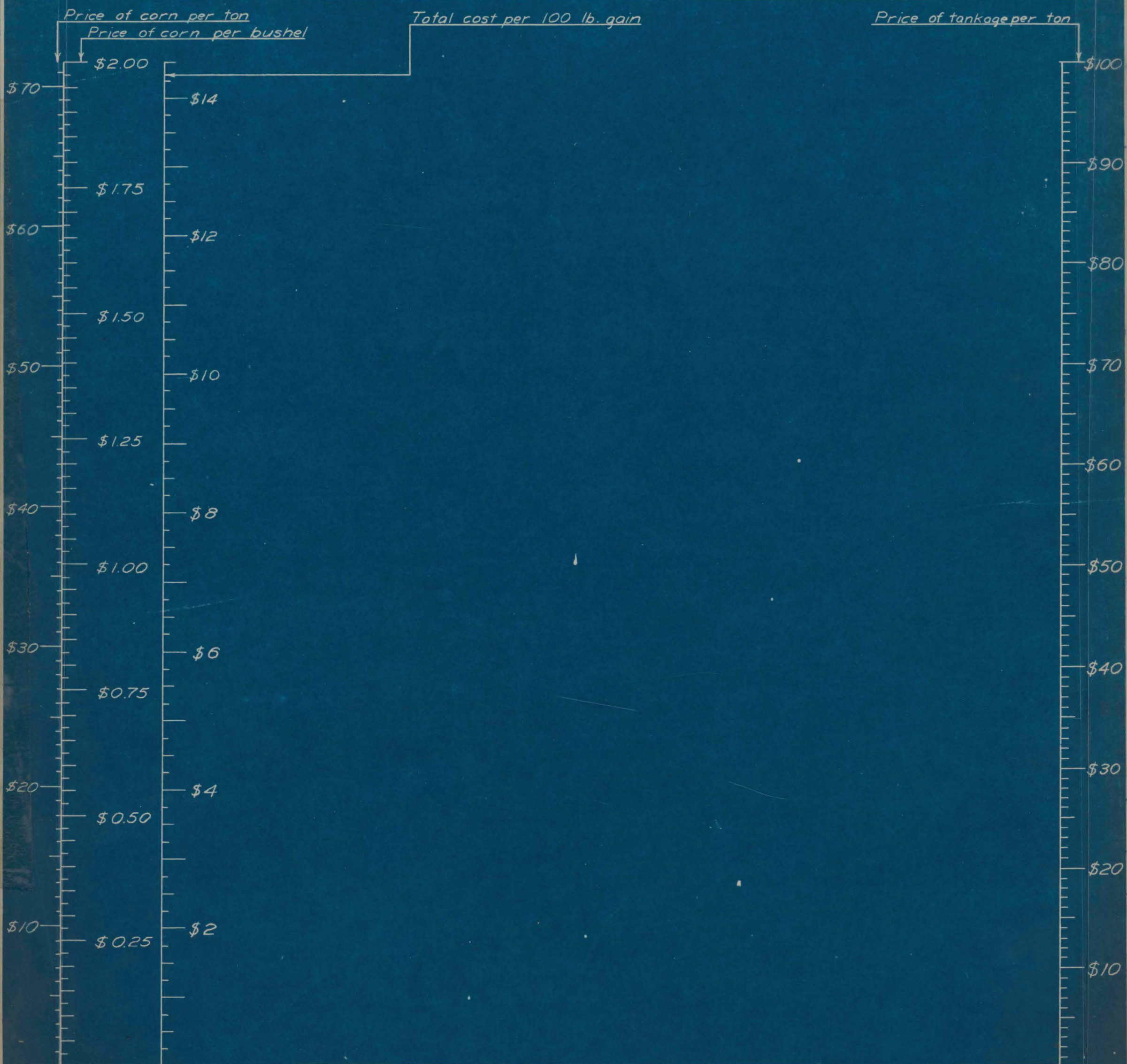


# OHIO SWINE FEEDING

## CALCULATING COSTS PER 100 POUNDS GAIN

Average initial weight 68.5 pounds. Average of 3 trials using 16 hogs. 107 day feeding period.  
 Total gain per hog 165.3 pounds. Average daily gain per hog 1.39 pounds.

FEEDS USED	TOTAL CONSUMED	DAILY RATION (per hog)	FEED PER 100 LB. GAIN
Shelled corn	2,633.34	4.998	362
Tankage	219.61	.416	30.1

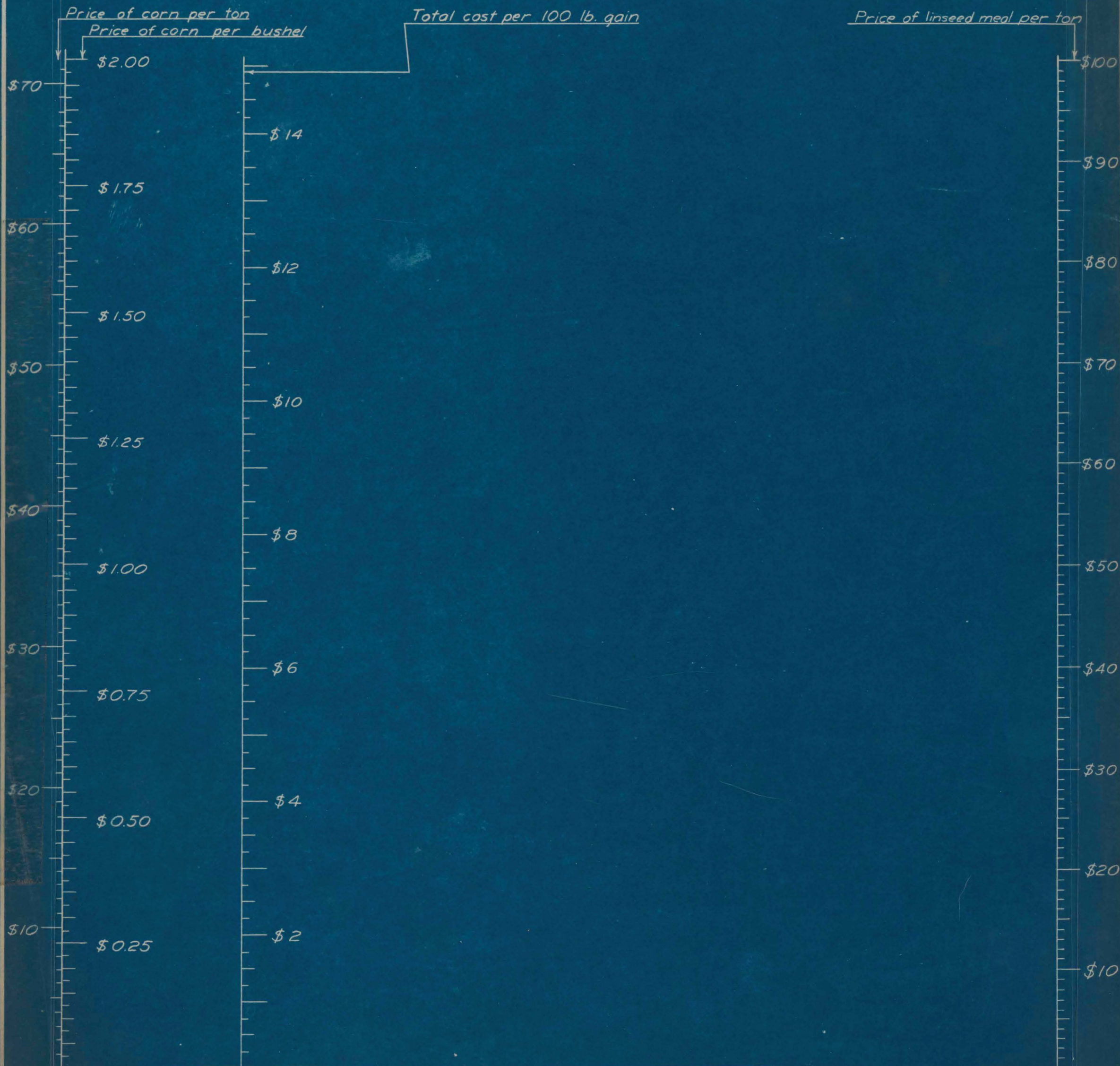


# OHIO SWINE FEEDING

## CALCULATING COSTS PER 100 POUNDS GAIN

Average initial weight 59.6 pounds. Average of 5 trials using 27 hogs. 103 day feeding period.  
 Total gain per hog 124.4 pounds. Average daily gain per hog 1.194 pounds.

FEEDS USED	TOTAL CONSUMED	DAILY RATION (per hog)	FEED PER 100 LB. GAIN
Shelled corn	2,297.419	4.184	346.6
Linseed meal	349.296	0.653	54.5

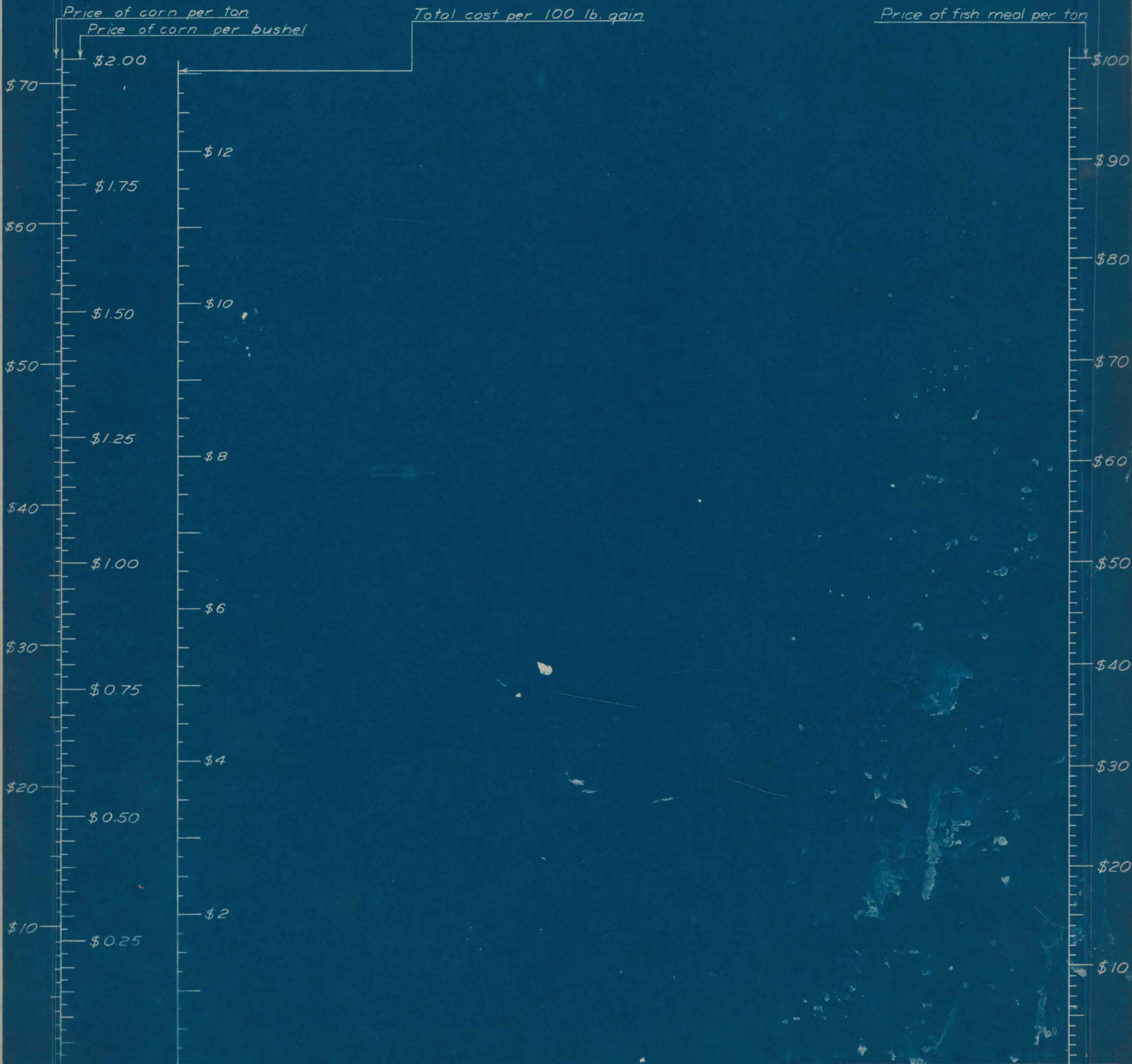


# OHIO SWINE FEEDING

## CALCULATING COSTS PER 100 POUNDS GAIN

Average initial weight 78 pounds. Average of 2 trials using 11 hogs. 97 day feeding period.  
 Total gain per hog 169.5 pounds. Average daily gain per hog 1.7 pounds.

FEEDS USED	TOTAL CONSUMED	DAILY RATION (per hog)	FEED PER 100 LB. GAIN
Shelled corn	2,943.3	5.545	325.3
Fish meal	273.9	.512	30.2

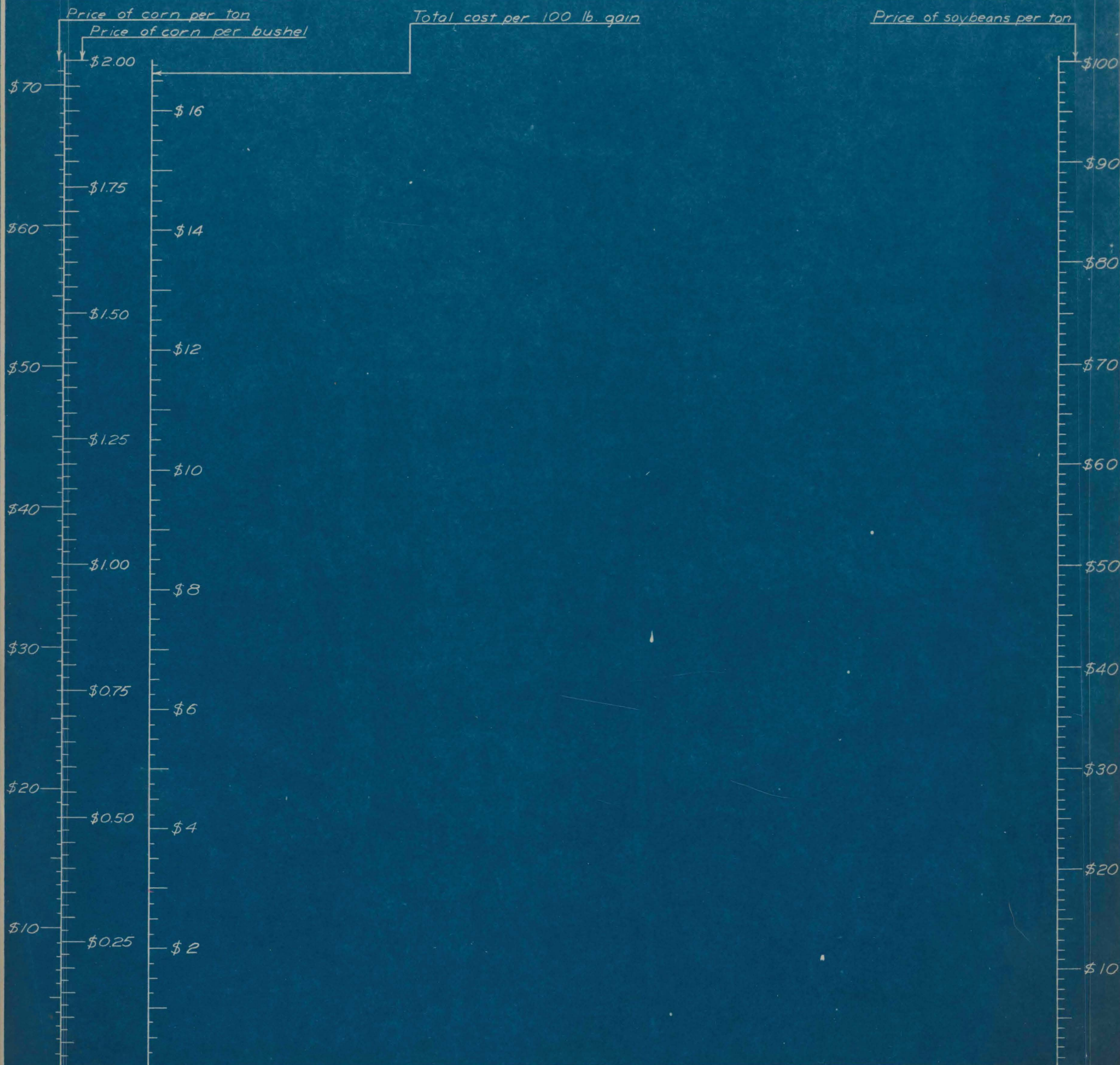


# OHIO SWINE FEEDING

## CALCULATING COSTS PER 100 POUNDS GAIN

Average initial weight 709 pounds.      Average of 3 trials using 15 hogs.      83 day feeding period.  
 Total gain per hog 82.2 pounds.      Average daily gain per hog .99 pounds.

FEEDS USED	TOTAL CONSUMED	DAILY RATION (per hog)	FEED PER 100 LB. GAIN
Shelled corn	1,822	4.136	422.5
Ground soybeans	108.3	0.439	30.7

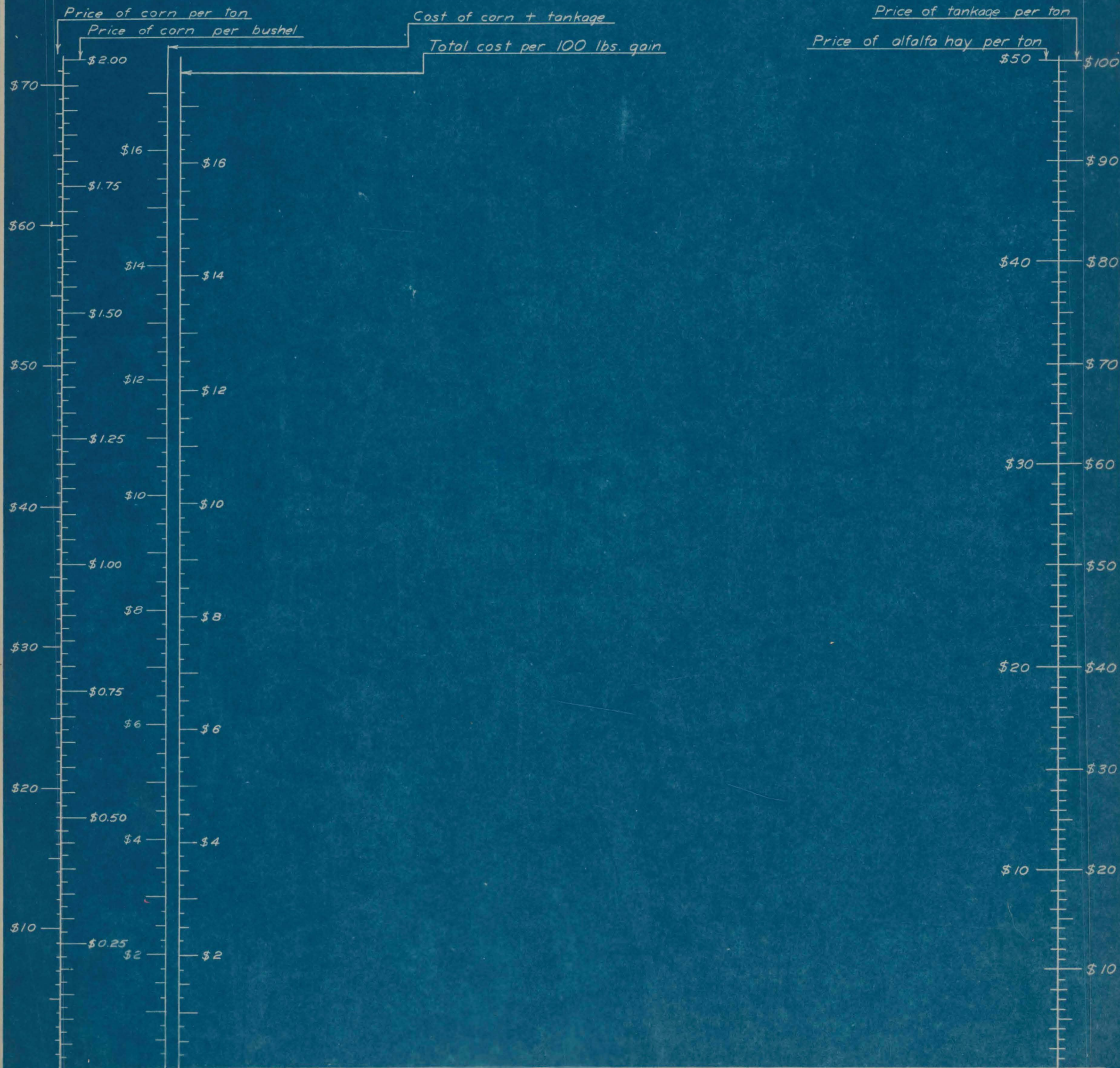


# NEBRASKA SWINE FEEDING

## CALCULATING COSTS PER 100 LB5. GAIN

Average initial weight 140.5 pounds. Average of 3 trials using 60 hogs. 83 day feeding period.  
 Total gain per hog 125.2 pounds. Average daily gain per hog 1.61 pounds.

FEEDS USED	TOTAL CONSUMED (per hog)	DAILY RATION (per hog)	FEED PER 100 LB. GAIN (per hog)
Shelled corn	640.0	7.7	437.7
Tankage	49.9	0.6	37.1
Alfalfa hay	10.8	0.13	8.6



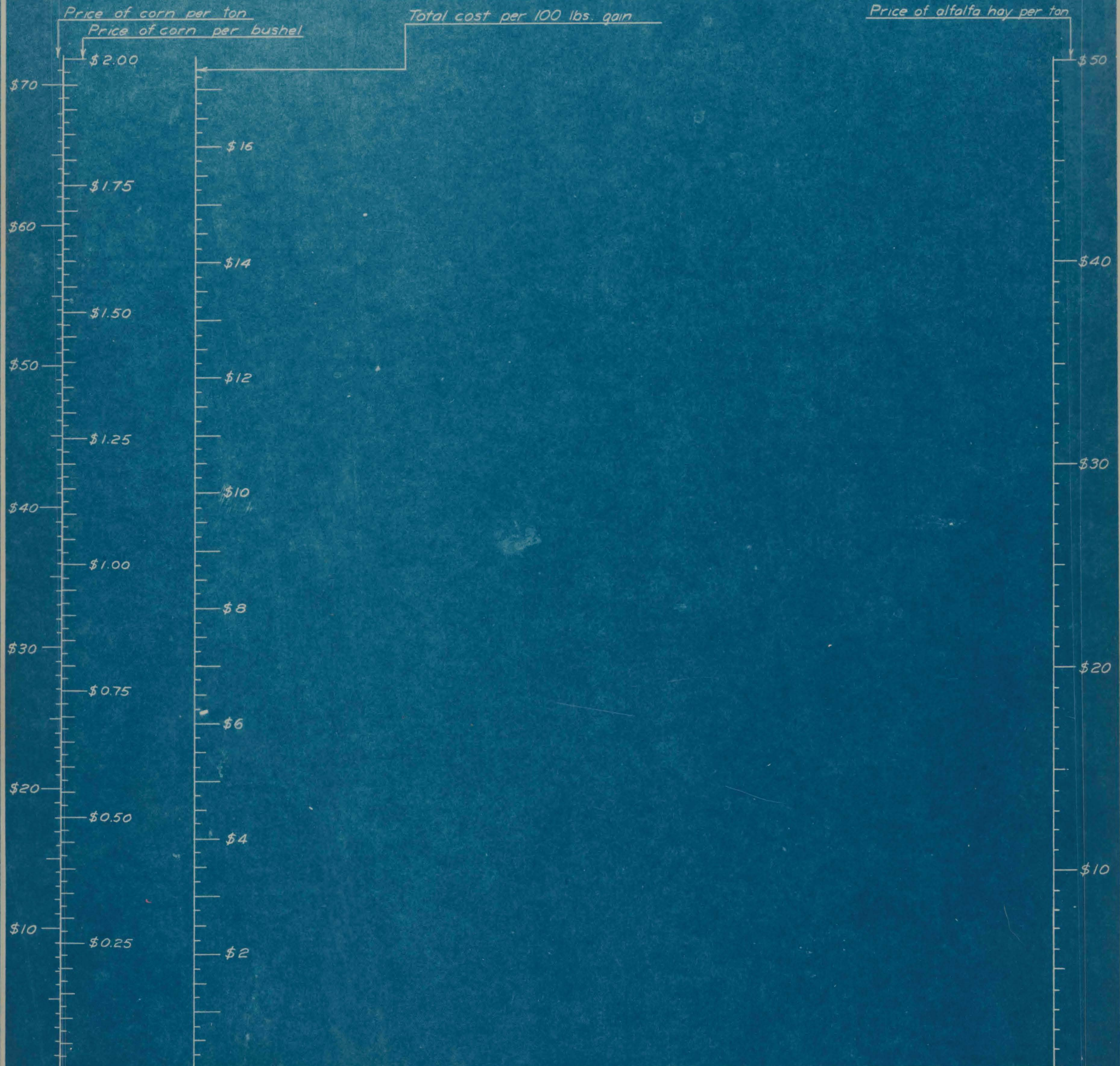


# NEBRASKA SWINE FEEDING

## CALCULATING COSTS PER 100 LBS. GAIN

Average initial weight 125.2 pounds. Average of 3 trials using 29 hogs. 103 day feeding period.  
 Total gain per hog 145.7 pounds. Average daily gain per hog 1.44 pounds.

FEEDS USED	TOTAL CONSUMED (per hog)	DAILY RATION (per hog)	FEED PER 100 LB. GAIN (per hog)
Shelled corn	617.2	6.14	425
Alfalfa hay	39.6	0.35	91

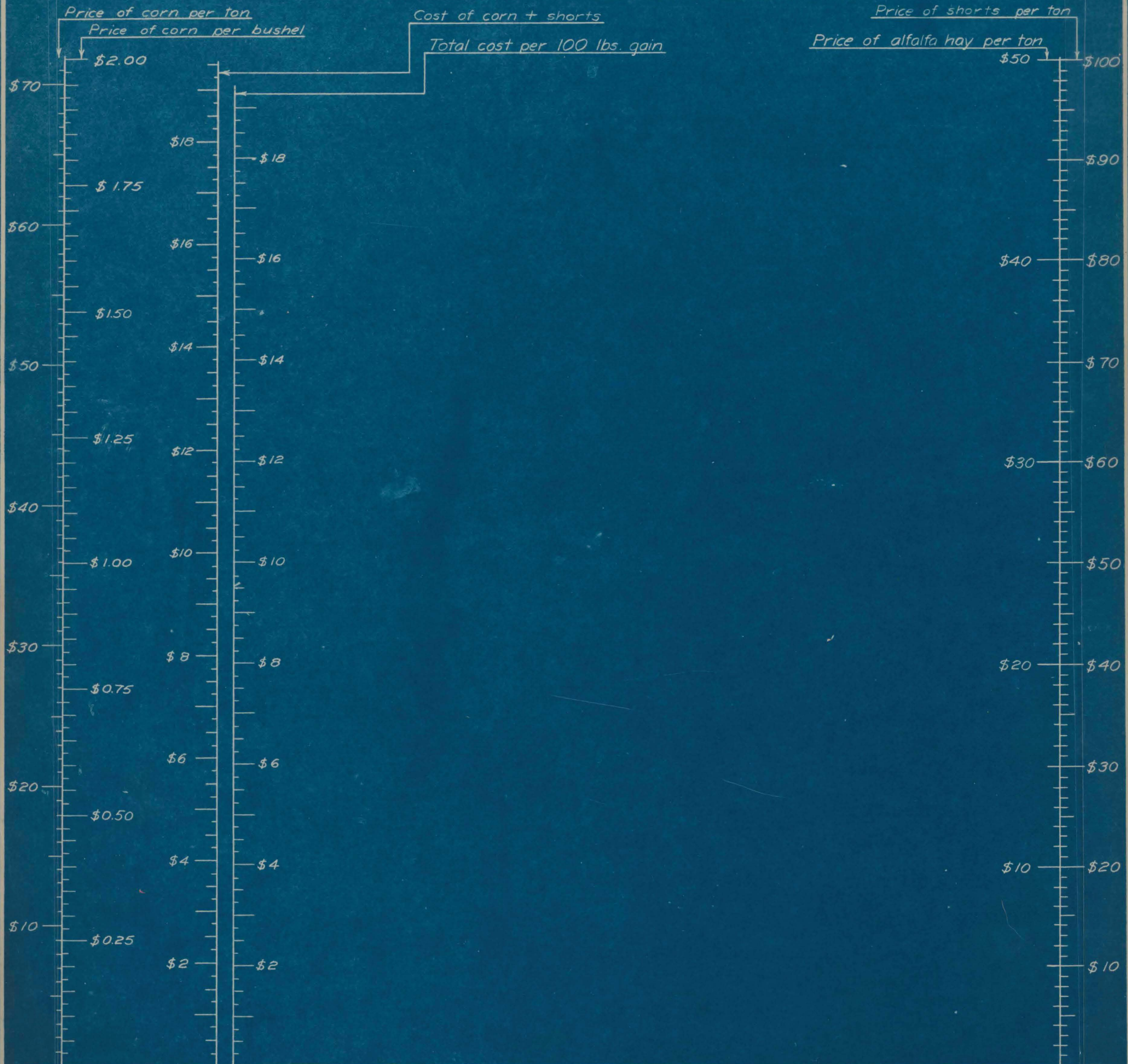


# NEBRASKA SWINE FEEDING

## CALCULATING COSTS PER 100 LBS. GAIN

Average initial weight 80.4 pounds. Average of 3 trials using 41 hogs. 112 day feeding period  
 Total gain per hog 94.5 pounds. Average daily gain per hog 0.88 pounds.

FEEDS USED	TOTAL CONSUMED (per hog)	DAILY RATION (per hog)	FEED PER 100 LB. GAIN (per hog)
Shelled corn	442.8	4.06	461.2
Shorts	60.3	0.55	60.5
Alfalfa hay	16.5	0.14	14.0



# ILLINOIS FEEDING PIGS ON PASTURE

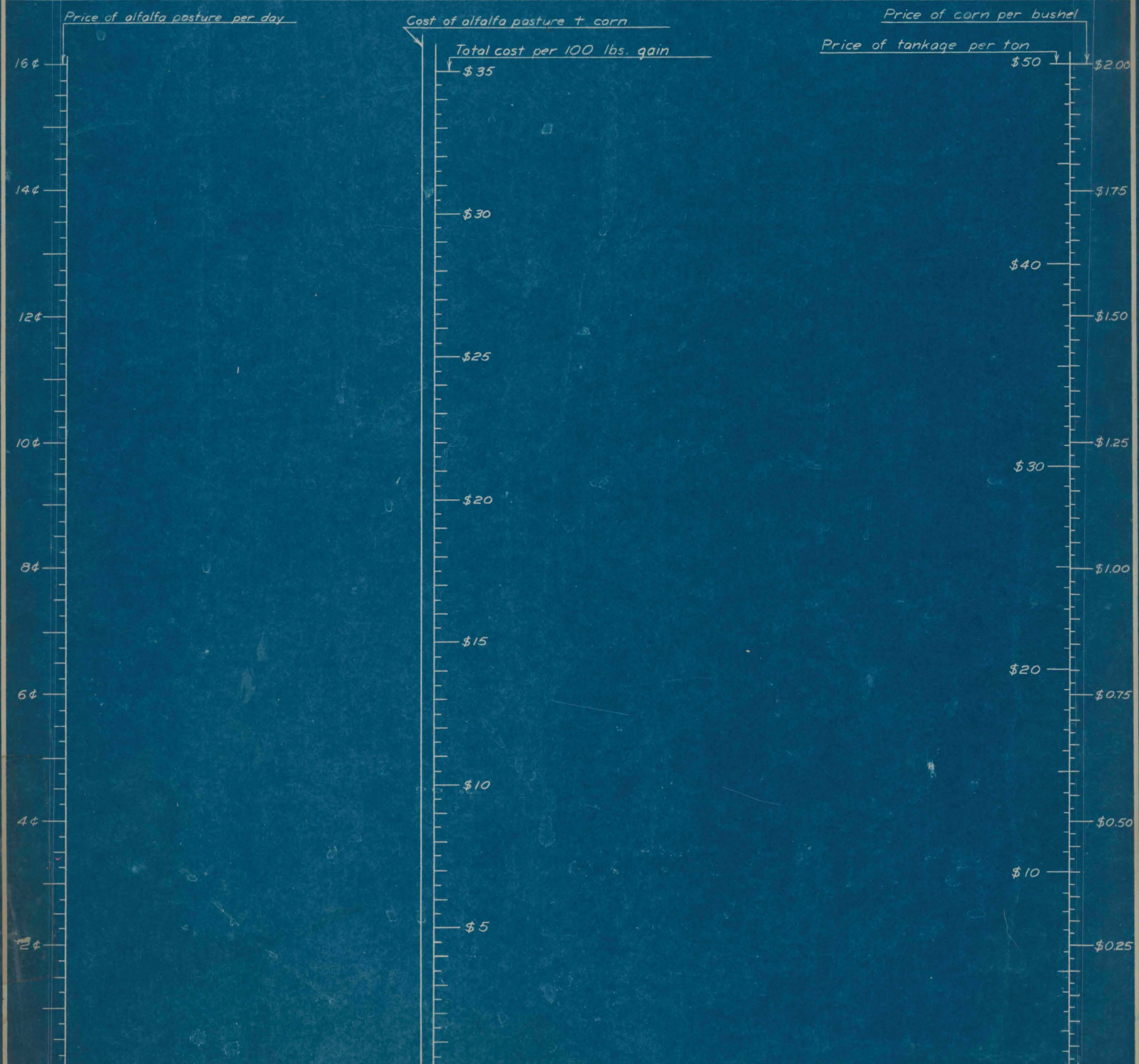
## CALCULATING COSTS PER 100 LBS. GAIN

Average initial weight 47 pounds.  
Total gain per pig 178 pounds.

Average of 7 trials using 50 pigs.  
Average daily gain per pig 1.25 pounds.

138 day feeding period.

FEEDS USED	TOTAL CONSUMED (per hog)	DAILY RATION (per hog)	FEED PER 100 LB. GAIN (per hog)
Alfalfa pasture	138 days		
Shelled corn	587.5 lbs.	4.25	341
Tankage	48.5 lbs.	0.35	28



# ILLINOIS FEEDING PIGS ON PASTURE

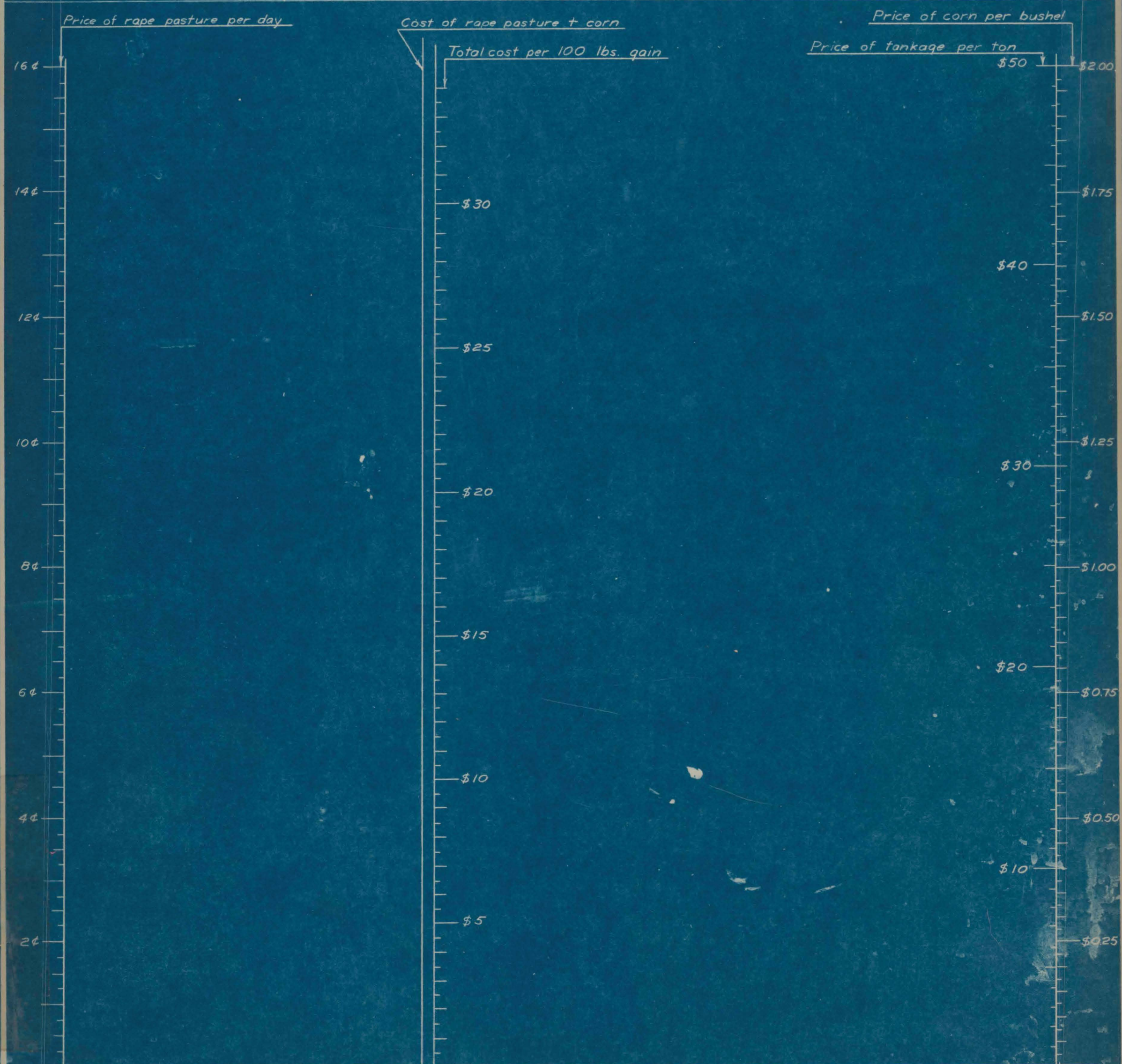
CALCULATING COSTS PER 100 LBS. GAIN

Average initial weight 47 pounds.  
Total gain per pig 164 pounds.

Average of 7 trials using 50 pigs.  
Average daily gain per pig 1.17 pounds.

138 day feeding period

FEEDS USED	TOTAL CONSUMED (per hog)	DAILY RATION (per hog)	FEED PER 100 LB. GAIN (per hog)
Rape pasture	138 days		
Shelled corn	559.0 lbs.	4.05	346
Tankage	44.8 lbs.	0.33	28



# INDIANA-OHIO SWINE FEEDING

## CALCULATING COSTS PER 100 LB. GAIN

Average initial weight 88.8 pounds. Average of 4 trials using 22 hogs. 82 day feeding period.  
 Total gain per hog 113.8 pounds. Average daily gain per hog 1.4 pounds.

FEEDS USED	TOTAL CONSUMED (per hog)	DAILY RATION (per hog)	FEED PER 100 LB. GAIN
Shelled corn	346.86	4.23	299.0
Skim milk	678.14	8.27	602.4

