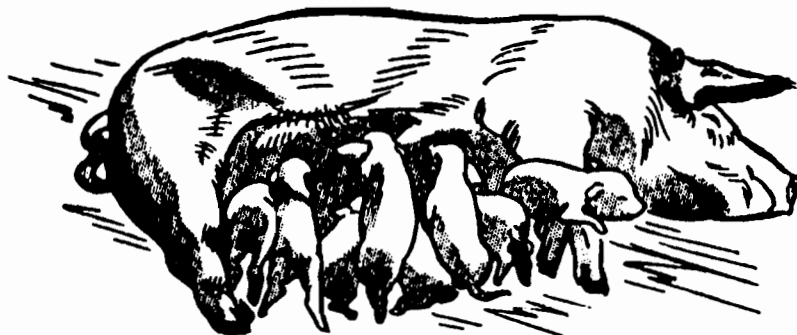


# SWINE PRODUCTION COSTS

Feed	Labor	Land	
Medication	Breeding Stock	Housing	

TULARE COUNTY



1986

SWINE PRODUCTION DATA - CONFINEMENT SYSTEM

FEED - INVESTMENT - COSTS

Prepared by

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This publication contains information on the feed required, the investment necessary and the approximate costs involved in the yearly operation of a 100-sow confinement swine production unit. Under this system of production, farrowings occur year around and while land needs are small, a major investment is required for housing and facilities. A high degree of management skill is also necessary for the operation to be a success.

In this study the following assumptions were made:

1. Pigs on Hand

- a. Seventy-five adult sows.
- b. Twenty-five second litter gilts.
- c. Thirty replacement or first litter gilts.
- d. Eight boars or one boar to 12 sows.
- e. Eight hundred to eight hundred fifty nursing and growing pigs.

2. Production Schedule

- a. Eighty-five percent conception rate on sows and two litters per year on first and second litter gilts.
- b. Five replacement gilts fail to breed and are sold.
- c. Nine pigs are born per litter and are weaned at 28 days of age.
- d. One third of the sows are culled annually.
- e. Pigs are weaned at four weeks of age.

3. Mortality

- a. Ten percent up to weaning.

- b. Three percent on pigs from 20 lbs. to 40 lbs.
- c. Two percent on pigs from 40 to 80 lbs. and one percent from 80 to 125 lbs.
- d. Two percent on the breeding herd.

4. Feed Schedule

- a. Rations used include those required for each specific class of swine included in a farrow-to-finish production unit.
- b. Feed prices will vary with source and area and should be recalculated for an accurate cost projection.

5. Depreciation Schedule

Buildings and improvements are depreciated over a 10 year period to 10% of original cost. Manure disposal system is depreciated completely in 10 years.

6. Cost of Facilities

The costs of the swine production facilities are only approximate. Some people will improvise and simplify and build them for less. Others who desire more elaborate facilities or want a "turnkey" operation will pay more. Climate will also dictate type of facilities which will also influence cost. Look before you build. It's time well spent.

Swine production is a biological science and production schedules are seldom attained as projected. However, with good management and a minimum of bad luck, the above production norms can be achieved in a practical manner.

ANNUAL FEED REQUIREMENTS

Class	No.	No. Days	Daily/ Lbs. Ration	Total/ Lbs. Head	Total Gain/Hd.	Total for Class					
						Pre-Starter	Starter	Grower	Finisher	Lactation	Gestation
450# Boars	8	365	7.00	2555				20,440			
Adult Sows - post weaning & pregnancy	75	302	6.00	1812							135,900
Lactation		63	11.00	693						51,975	
2nd Litter Gilts - post weaning & pregnancy	25	135	6.50	878							21,938
Lactation		28	10.00	280						7,000	
1st Litter Gilts - growth and pregnancy	30	174	6.50	1131							33,930
Lactation	25	28	9.00	252						6,275	
<b>SUBTOTAL</b>								20,440		65,250	191,768

Litters Per Year - 208	1874	28		3	20	5,340					
Weaners - 20-40# .70# daily gain	1686	29	1.90	55	20	91,524					
Starters - 40-80# 1.10# daily gain	1636	36	3.20	115	40		186,555				
Growers - 80-125# 1.25# daily gain	1603	36	4.25	153	45			244,039			
Finishers - 125-220# 1.65# daily gain	1587	58	6.60	383	96				607,507		
<b>TOTAL</b>		187		709	221	96,864	186,555	264,479	607,507	65,250	191,768

EXPENSES AND SUMMARY

TOTAL SALES - 1986 PRICES & COSTS

Class	No.	Wt.	Pounds	Price/cwt	Amount
Market pigs	1,557	221	343,476	53.00	182,042
Sows	25	450	11,025	37.00	4,079
Gilts	5	325	1,625	43.00	699
Boars	4	450	1,764	25.00	441
Less 4 boars	4	300	1,200	1.00	1,200
<b>NET PORK PRODUCTION</b>	<b>1,586</b>		<b>356,690</b>		<b>186,061</b>
<b>AVERAGE PRICE</b>				<b>52.16</b>	

FEED	Percent protein	Amt/cwt of feed	Price/cwt	Cost	Amount/lb pork	Cost/cwt pork	Percent of cost
Pre-starter	20	969	11.25	10,897	.27	3.06	6
Starter	18	1,866	10.25	19,122	.52	5.36	11
Grower	16	2,645	7.00	18,514	.74	5.19	11
Finisher	14	6,075	6.50	39,488	1.70	11.07	22
Lactation	15	652	8.25	5,383	.18	1.51	3
Gestation	15	1,918	7.75	14,862	.54	4.17	8
<b>Total Feed</b>		<b>14,124</b>	<b>7.67</b>	<b>108,266</b>	<b>3.96</b>	<b>30.35</b>	<b>62</b>

EXPENSES

Labor	18,000	5.05	10
Supplies and repairs	6,346	1.78	4
Veterinarian, drugs & iron	5,156	1.45	3
Utilities	5,553	1.56	3
Freight and commission	5,308	1.49	3
Replacement stock	1,200	.34	1
Car, office, telephone	2,776	.78	2
Taxes	1,037	.29	1
Interest @ 11% (1/2 cost/1/2 year)	4,225	1.18	2
<b>Total Expenses</b>	<b>49,600</b>	<b>13.91</b>	<b>28</b>
<b>TOTAL FEED &amp; EXPENSES</b>	<b>157,865</b>	<b>44.26</b>	<b>90</b>

INVESTMENT	Cost	Int. @ 11%	Dep.	Int. & dep.	
Land	10,000	1,100	---	.31	1
Water system	8,800	581	836	.40	1
Farrowing house	24,000	1,584	2,280	1.08	2
Weaning barn	5,621	371	534	.25	1
Growing barn	16,358	1,080	1,554	.74	1
Finishing barn	21,374	1,411	2,031	.96	2
Waste system	7,500	413	375	.22	0
Sow & boar pens	10,000	660	950	.45	1
Breeding stock	18,138	1,995	---	.56	1
<b>Total Investment</b>	<b>121,790</b>	<b>9,194</b>	<b>8,559</b>	<b>4.98</b>	<b>10</b>

<u>SUMMARY OF COSTS</u>	<u>Total costs</u>	<u>Cost/cwt</u>	<u>Percent of cost</u>
Feed	108,266	30.35	62
Expenses	49,600	13.91	28
Interest & depreciation	<u>17,753</u>	<u>4.98</u>	<u>10</u>
Total Costs	175,619	49.24	100

#### ANNUAL SUMMARY

##### Cost Per CWT Gain

	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>4 year average</u>
Feed	34.89	34.72	33.20	30.35	33.29
Expenses	14.07	14.17	14.13	13.91	14.07
Interest and depreciation	<u>5.33</u>	<u>5.22</u>	<u>5.17</u>	<u>4.98</u>	<u>5.18</u>
Total	\$54.29	\$54.11	\$52.50	\$49.24	\$52.54

#### RETURNS

Market pigs	53.50	54.00	49.00	53.00	52.38
Sows	43.00	38.75	38.75	37.00	39.38
Gilts	48.50	44.00	39.00	43.00	43.63
Boars	<u>29.50</u>	<u>26.50</u>	<u>25.00</u>	<u>25.00</u>	<u>26.50</u>
Average	\$52.90	\$53.19	\$48.35	\$52.16	\$51.65

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