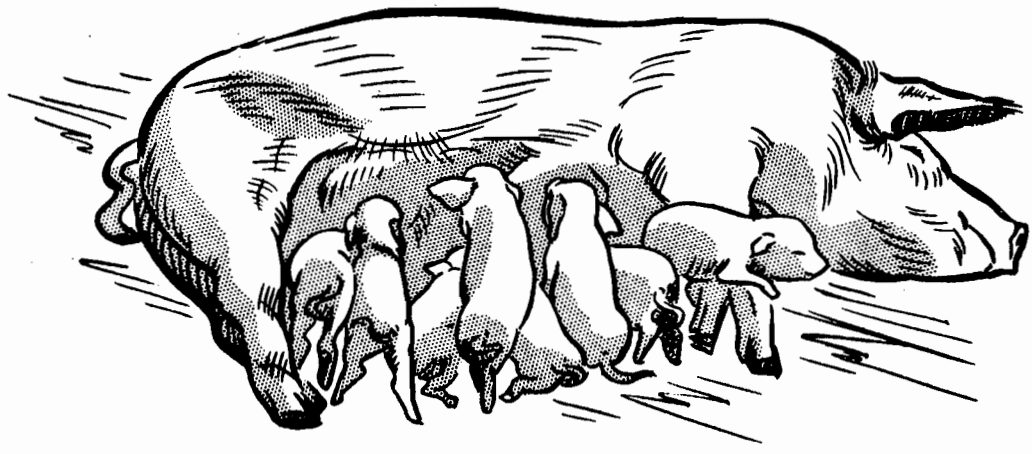


1975  
Tulare Co.

# SWINE PRODUCTION COSTS

Feed	Labor	Land	
Medication	Breeding Stock	Housing	



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# 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 adult sows.
- b. Thirty to thirty-five first and second litter gilts.
- c. Seven boars.
- d. Eight hundred to eight hundred fifty nursing and growing pigs.

### 2. Mortality

- a. Four percent on pigs up to 80 pounds.
- b. Two percent on rest of growing pigs and on the breeding herd.

### 3. Production Schedule

- a. 2.22 litters per sow and two litters per replacement gilt per year are produced with 7.25 pigs per litter being marketed or saved as replacements.
- b. Sixty percent of sows conceive on first service following weaning, 30% conceive on second service and 10% conceive on third service.
- c. Fifty percent of first and second litter gilts conceive on first service following weaning and 50% conceive on second service. First litter gilts are grown out prior to breeding.
- d. Four first-litter gilts and one second-litter gilt do not breed or rebreed and are sold.
- e. Thirty sows are replaced annually.

#### 4. Feed Schedule

- a. Rations used differ slightly from the recommendations of the National Research Council. A 40% protein level in the supplement and a 9% protein level in the grain is assumed.
- b. Feed prices will vary with source, area, and year, and should be refigured accordingly.

#### 5. Manure Disposal and Grain Milling Systems

- a. Manure disposal and grain milling systems have to be planned according to each individual operation. Installation and operational costs will, therefore, have a wide variation. For this reason respective costs for these systems have been omitted from this study. Since these systems are a vital part of any swine operation, their costs should be added in when they can be estimated.

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

No.	Class	No. Days	Daily Ration		Total Per Head		Total For Class		
			Pounds Grain	Pounds Supplement	Pounds Grain	Pounds Supplement	Pounds Grain	Pounds Supplement	Other
7	450-Pound Boars	365	6.50	1.50	2,373	547	16,611	3,829	
70	Adult Sows, Post Weaning and Pregnancy	287	4.50	1.00	1,292	287	90,440	20,090	
	Lactation	78	10.00	2.00	780	156	54,600	10,920	
31	Second Litter Gilts, Post Weaning and Pregnancy	129	5.70	1.30	735	168	22,785	5,208	
30	Lactation	35	9.00	2.00	315	70	9,450	2,100	
35	Replacement Gilts, Growth and Pregnancy	166	5.25	1.25	871	207	30,485	7,245	
31	Lactation	35	8.50	1.90	298	66	9,238	2,046	
<b>TOTAL</b>					<b>6,664</b>	<b>1,501</b>	<b>233,609</b>	<b>51,438</b>	
216	Litters Nursing Pigs	35			(30 Pounds Per Litter)				Creep Feed 6,480
1646	Weaners - 20-40 Pounds, .70 Pounds Daily Gain/Head	29		2.00		58			Starter 95,468
1614	Market Pigs 40-80 Pounds, 1.10 Pounds Daily Gain/Head	36	2.60	.70	94	25	151,716	40,350	
1590	Market Pigs 80-125 Pounds 1.25 Pounds Daily Gain/Head	36	3.45	.80	124	29	197,160	46,110	
1574	Market Pigs or Replacement Gilts 125-220 Pounds, 1.65 Pounds Daily Gain/Head	58	5.70	.90	331	52	520,994	81,848	
<b>TOTAL Breeding Herd</b>					<b>194</b>	<b>549</b>	<b>869,870</b>	<b>168,308</b>	<b>101,948</b>
<b>TOTAL</b>							<b>1,103,479</b>	<b>219,646</b>	<b>101,948</b>

EXPENSES AND SUMMARY

Item	Amount	Price/CWT	Cost	Amount/ Lb. Pork	Cost/ Lb. Pork	Perce of Cos
Grain	1,103,479	\$ 6.60	\$ 72,830	3.13	20.68	
Supplement	219,646	11.00	24,161	.62	6.86	
Starter	95,468	10.00	9,547	.27	2.71	
Creep Feed	6,480	15.00	972	.02	.28	
Subtotal - Feed	1,425,073	7.54	\$107,510	4.04	30.53	76
Labor - 2900 hours @ \$3.50 Per Hour			10,150		2.88	
Replacement Boars			350		.10	
Veterinarian and Drugs			3,400		.97	
Taxes			1,500		.43	
Interest (one-half of cash costs for one-half year at 10%)			3,250		.92	
Auto, office, and misc. expense			2,400		.68	
Water and Electricity			1,500		.43	
Supplies and Repairs			3,000		.85	
Subtotal - Other			\$ 25,550		7.26¢	18
<b>TOTAL CASH COSTS</b>			<b>\$133,060</b>		<b>37.79</b>	<b>94</b>

INVESTMENT

	Total	Interest @ 8%	Depreciation	
Land - four acres	\$ 4,000	\$ 320	\$ - -	
Well and Pressure System	4,000	160	400	
Farrowing House - 25 Crates	20,000	800	2,000	
Early Weaning Barn	5,000	200	500	
Fattening Unit	20,000	800	2,000	
Dry Sow and Boar Pens	6,000	240	600	
Breeding Stock	15,000	1,200	- -	
Total Investment	\$74,000	\$3,720	\$5,500	6

SUMMARY OF COSTS

	Total Cost	Cost/Pound	
Feed	\$107,510	30.53	76
Expenses	25,550	7.26	18
Interest and Depreciation	9,220	2.62	6
<b>TOTAL COSTS</b>	<b>\$142,280</b>	<b>40.41</b>	<b>100</b>

TOTAL SALES - 1974 PRICES

	Pounds	Amount
1531 - 220 Pound Pigs @ 36¢ Per Pound	336,820	\$121,255
1.9 - 500 Pound Boars @ 20¢ Per Pound	950	190
28 - 450 Pound Sows @ 24¢ Per Pound	12,600	3,024
4.9 - 275 Pound Gilts @ 32¢ Per Pound	1,347	431
Less 2 - 250 Pound Purchased Boars	500	

NET PORK PRODUCTION

352,217      \$124,900

AVERAGE PRICE RECEIVED

3546

ANNUAL SUMMARY

	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>3 Year Average</u>	<u>1974</u>
Feed	15.10	17.03	29.78	20.63	30.73
Expenses	5.77	6.48	7.02	6.42	7.26
Interest and Depreciation	1.55	1.74	2.13	1.81	2.62
<b>TOTAL</b>	<b>22.42</b>	<b>25.25</b>	<b>38.93</b>	<b>28.87</b>	<b>40.41</b>

RETURNS

Market Pigs	20.00	27.00	39.00	28.67	36.00
Boars	7.00	16.00	20.00	14.33	20.00
Sows	11.00	20.00	28.00	19.67	24.00
Gilts	17.00	24.00	33.00	24.65	32.00
Averages	19.67	26.76	38.60	28.34	35.46

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