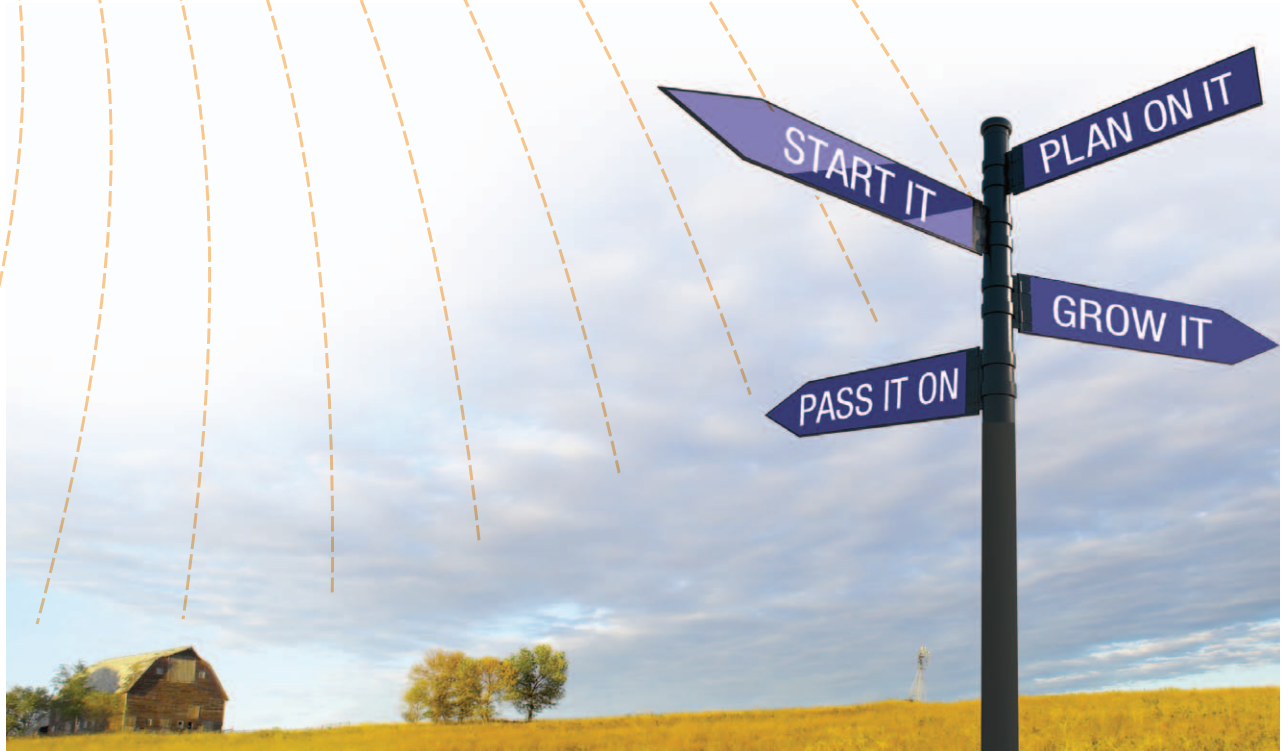




Guidelines for Estimating Swine Farrow-Finish Costs 2019/2020

in Manitoba



Guidelines For Estimating
Swine Farrow-Finish Costs
Based On 500 Sows and 13,002 Pigs Sold

Date: September, 2018

revised April, 2020

This guide is designed to provide you with planning information and a format for calculating costs of production of a swine farrow to finish enterprise in Manitoba. General Manitoba Agriculture recommendations are assumed in using feed and veterinary inputs. These figures provide an economic evaluation of the livestock and estimated prices required to cover all costs. Costs include labour, investment and depreciation, but do not include management costs, nor do they necessarily represent the average cost of production in Manitoba.

These budgets may be adjusted by putting in your own figures. As a producer you are encouraged to calculate your own costs of production. The assumptions on which the costs are based are outlined in the supporting pages. These assumptions were arrived at using the breeding stock, management practices, and facilities seen in modern, well managed swine operations of comparable size in Manitoba. Productivity and performance assumptions are based on information collected by department specialists, feed companies and other organizations. Where individual herd productivity and performance levels differ from those listed, adjustments will be required.

This tool is available as an Excel worksheet at: www.manitoba.ca/agriculture or at your local [Manitoba Agriculture office](#). [The Farm Machinery Custom and Rental Rate Guide](#) is also available to help determine machinery costs.

Note: This budget is only a guide and is not intended as an in-depth study of the cost of production of this industry. Interpretation and use of this information is the responsibility of the user. If you need help with a budget, contact your local Manitoba Agriculture Office.

Farrow-Finish Pig Cost of Production

The following farrow to finish budget is based on the assumption that all feed is purchased or home-mixed. The budget includes a land investment cost for 40 acres, with 0 acres rented out at \$60 per acre, of the estimated 233 to 361 acres of total landbase that would be required for this size of livestock operation. This land base falls within the 2XP2O5 application rate, soil phosphorus levels permitting.

The budget includes an assumption that 1.75% of the market pigs are sold as lightweight pigs. It is assumed that when the lightweight pigs are sold, they will have a salvage value. Therefore, total marketings are reduced by only 1% to compensate for the lightweight pigs.

The budget includes an assumption that this particular operation is "all-in, all-out" by room. Space allocations for finishing pigs are in accordance with the Recommended Code of Practice for the Care and Handling of Farm Animals: Pigs.

The rations illustrated in this budget are examples only. Individual farm conditions should be taken into account when formulating the diets. Producers need to know the feed intakes of their animals. Please consult with a nutritionist for diet information and suggestions.

The Manitoba pork production industry profile is changing and this budget was specifically designed to address the need of producers who may want to analyze the cost of production for a new farrow to finish operation. Several companies are offering contracts with varying levels of guarantees. Producers need to accurately calculate their costs before they can properly make a decision.

500 Sow Farrow-Finish Cost of Production Summary - September, 2018

| A. Operating Costs | Purchased Feed | | | Home-Mixed Feed | | | Your Cost |
|-------------------------------------|-----------------|-------------------|--------------------|-----------------|-------------------|--------------------|-----------|
| | \$/Pig Sold | \$/Sow /Year | Total Cost | \$/Pig Sold | \$/Sow /Year | Total Cost | |
| 1. Feed Costs: | | | | | | | |
| 1.01 Sow Lactation | \$5.03 | \$130.93 | \$65,463 | \$3.95 | \$102.71 | \$51,354 | |
| 1.02 Sow Gestation | \$11.65 | \$302.82 | \$151,408 | \$9.12 | \$237.16 | \$118,581 | |
| 1.03 Boar Ration | \$0.08 | \$2.03 | \$1,015 | \$0.06 | \$1.63 | \$815 | |
| 1.04 Pre Starter 1 | \$1.37 | \$35.73 | \$17,866 | \$0.65 | \$17.03 | \$8,514 | |
| 1.05 Pre Starter 2 | \$4.24 | \$110.26 | \$55,128 | \$1.99 | \$51.83 | \$25,913 | |
| 1.06 Starter 1 | \$9.60 | \$249.59 | \$124,794 | \$4.36 | \$113.40 | \$56,700 | |
| 1.07 Starter 2 | \$12.90 | \$335.37 | \$167,685 | \$6.61 | \$171.89 | \$85,943 | |
| 1.08 Starter | \$9.57 | \$248.74 | \$124,371 | \$8.93 | \$232.23 | \$116,115 | |
| 1.09 Grower | \$52.96 | \$1,377.15 | \$688,577 | \$48.61 | \$1,264.09 | \$632,047 | |
| 1.10 Finisher | <u>\$30.42</u> | <u>\$790.95</u> | <u>\$395,473</u> | <u>\$23.51</u> | <u>\$611.27</u> | <u>\$305,637</u> | |
| Total Feed Cost | \$137.81 | \$3,583.56 | \$1,791,780 | \$107.80 | \$2,803.24 | \$1,401,618 | |
| 2. Other Operating Costs: | | | | | | | |
| 2.01 Veterinary Medicine & Supplies | \$2.88 | \$75.00 | \$37,500 | \$2.88 | \$75.00 | \$37,500 | |
| 2.02 Maintenance & Repairs | \$4.18 | \$108.59 | \$54,295 | \$4.18 | \$108.59 | \$54,295 | |
| 2.03 Hydro & Propane | \$7.26 | \$188.73 | \$94,363 | \$7.26 | \$188.73 | \$94,363 | |
| 2.04 Insurance | \$3.39 | \$88.21 | \$44,107 | \$3.39 | \$88.21 | \$44,107 | |
| 2.05 Manure Costs | \$2.03 | \$52.72 | \$26,359 | \$2.03 | \$52.72 | \$26,359 | |
| 2.06 Office Supplies | \$0.08 | \$2.00 | \$1,000 | \$0.08 | \$2.00 | \$1,000 | |
| 2.07 Marketing & Transport. | \$5.11 | \$132.88 | \$66,439 | \$5.11 | \$132.88 | \$66,439 | |
| 2.08 Artificial Insemination Costs | \$1.58 | \$41.06 | \$20,528 | \$1.58 | \$41.06 | \$20,528 | |
| 2.09 Herd Replacement | \$2.18 | \$56.77 | \$28,384 | \$2.18 | \$56.77 | \$28,384 | |
| 2.10 Property Tax | <u>\$0.62</u> | <u>\$16.00</u> | <u>\$8,000</u> | <u>\$0.62</u> | <u>\$16.00</u> | <u>\$8,000</u> | |
| Subtotal Operating Costs | \$167.11 | \$4,345.51 | \$2,172,755 | \$137.10 | \$3,565.19 | \$1,782,594 | |
| 2.11 Interest on Operating Costs | <u>\$2.49</u> | <u>\$64.69</u> | <u>\$32,346</u> | <u>\$2.04</u> | <u>\$0.00</u> | <u>\$0</u> | |
| Total Operating Costs | \$169.60 | \$4,410.20 | \$2,205,101 | \$139.14 | \$3,565.19 | \$1,782,594 | |
| B. Fixed Costs | | | | | | | |
| 3. Depreciation: | | | | | | | |
| 3.01 Buildings & Manure Storage | \$4.81 | \$125.08 | \$62,542 | \$4.88 | \$126.88 | \$63,442 | |
| 3.02 Equipment | <u>\$11.63</u> | <u>\$302.51</u> | <u>\$151,257</u> | <u>\$11.98</u> | <u>\$311.51</u> | <u>\$155,757</u> | |
| Total Depreciation Cost | \$16.44 | \$427.60 | \$213,799 | \$16.86 | \$438.40 | \$219,199 | |
| 4. Investment: | | | | | | | |
| 4.01 Land cost | \$0.19 | \$4.95 | \$2,475 | \$0.19 | \$4.95 | \$2,475 | |
| 4.02 Buildings & Manure Storage | \$2.92 | \$75.98 | \$37,991 | \$2.95 | \$76.74 | \$38,370 | |
| 4.03 Equipment | \$1.96 | \$50.84 | \$25,420 | \$2.01 | \$52.35 | \$26,176 | |
| 4.04 Breeding Herd | <u>\$0.39</u> | <u>\$10.20</u> | <u>\$5,101</u> | <u>\$0.39</u> | <u>\$10.20</u> | <u>\$5,101</u> | |
| Total Investment Cost | \$5.46 | \$141.97 | \$70,987 | \$5.55 | \$144.24 | \$72,122 | |
| Total Fixed Costs | \$21.90 | \$569.57 | \$284,787 | \$22.41 | \$582.64 | \$291,321 | |
| C. Labour | | | | | | | |
| 120 hours/week farrow wean | \$10.56 | \$274.56 | \$137,280 | \$10.56 | \$274.56 | \$137,280 | |
| 48 hours/week grower finish | <u>\$4.22</u> | <u>\$109.82</u> | <u>\$54,912</u> | <u>\$4.22</u> | <u>\$109.82</u> | <u>\$54,912</u> | |
| Total Labour Cost | \$14.78 | \$384.38 | \$192,192 | \$14.78 | \$384.38 | \$192,192 | |
| Total Cost of Production | \$206.28 | \$5,364.16 | \$2,682,080 | \$176.33 | \$4,532.21 | \$2,266,107 | |

Profitability and Breakeven Analysis

| Estimated Farmgate | \$/Pig | \$/Sow | Total | Per Pig | \$/Sow | Total |
|--------------------------------------|------------------|---------------------|--------------------|------------------|-------------------|--------------------|
| Market Price (\$ per 100kg) | \$158.00 | | | \$158.00 | | |
| Market weight (shrunk-kg/hog live) | 118.05 | | | 118.05 | | |
| Dressing % | 80 | | | 80 | | |
| Premium per head sold | \$2.00 | | | \$2.00 | | |
| Land rental per head sold | \$0.00 | | | \$0.00 | | |
| Gross Revenue / hog | \$166.13 | \$4,320.07 | \$2,160,037 | \$166.13 | \$4,320.07 | \$2,160,037 |
| Marginal Returns | | | | | | |
| Over Operating Costs | (\$3.47) | (\$90.13) | (\$45,064) | \$26.99 | \$754.89 | \$377,443 |
| Over Operating & Labour Costs | (\$18.25) | (\$474.51) | (\$237,256) | \$12.21 | \$370.50 | \$185,251 |
| Over Total Costs (Net Profit) | (\$40.15) | (\$1,044.09) | (\$522,043) | (\$10.20) | (\$212.14) | (\$106,070) |
| Operating Expense Ratio | 102.1% | | | 83.8% | | |
| Breakeven Selling Price | \$/100 kg | \$/cwt | | \$/100 kg | \$/cwt | |
| Operating Costs | \$163.26 | \$74.06 | | \$133.94 | \$60.76 | |
| Operating & Labour Costs | \$177.49 | \$80.51 | | \$148.17 | \$67.21 | |
| Total Costs | \$198.58 | \$90.07 | | \$169.74 | \$77.00 | |
| Return On Assets (ROA) | (8.40%) | | | (0.68%) | | |

¹ FOOTNOTE: Break-even Price = Cost per Hog Sold ÷ (Slaughter Weight(-shrink) X Dressing Percentage X Index)

Note: This budget is only a guide and is not intended as an in depth study of the cost of production of this industry. Interpretation and utilization of this information is the responsibility of the user.

Risk & Sensitivity Analysis

| | <u>Purchased Feed</u> <u>Per Pig</u> | <u>Home-Mixed Feed</u> <u>Per Pig</u> |
|---------------------------|---|--|
| A. Operating Costs | | |
| Feed cost | \$137.81 | \$107.80 |
| Other Operating Costs | <u>\$31.79</u> | <u>\$31.34</u> |
| Subtotal | \$169.60 | \$139.14 |
| B. Fixed Costs | \$21.90 | \$22.41 |
| C. Labour | <u>\$14.78</u> | <u>\$14.78</u> |
| Total Costs | \$206.28 | \$176.33 |
| Estimated Farmgate | | |
| Price (\$ per 100kg) | \$158.00 | \$158.00 |

| | Up | Down |
|---------------------------------------|--------------|--------------|
| Percent Market Price Variation | 10.0% | 10.0% |
| Percent Feed Cost Variation | 10.0% | 5.0% |

| | | |
|------------------------------------|----------|----------|
| Higher Price (\$ per 100kg) | \$173.80 | \$173.80 |
| Lower Price (\$ per 100kg) | \$142.20 | \$142.20 |
| Higher Feed Cost | \$151.59 | \$118.58 |
| Lower Feed Cost | \$130.92 | \$102.41 |

Higher Margin Scenario - Price Up 10% and Feed Price Down 5%

| | | |
|--------------------------------|----------------|--------------|
| Operating Costs | \$162.71 | \$133.75 |
| Total Costs | \$199.39 | \$170.94 |
| Gross Revenue / hog | \$182.55 | \$182.55 |
| Marginal Returns | | |
| Over Operating Costs | \$19.84 | \$48.79 |
| Over Operating & Labour Costs | \$5.06 | \$34.01 |
| Over Total Costs (Net Profit) | (\$16.85) | \$11.60 |
| Operating Expense Ratio | 89.1% | 73.3% |
| Return on Asset (ROA) | (2.32%) | 5.10% |

Lower Margin Scenario - Price Down 10% and Feed Price Up 10%

| | | |
|--------------------------------|-----------------|----------------|
| Operating Costs | \$183.38 | \$149.92 |
| Total Costs | \$220.07 | \$187.11 |
| Gross Revenue / hog | \$149.72 | \$149.72 |
| Marginal Returns | | |
| Over Operating Costs | (\$33.66) | (\$0.20) |
| Over Operating & Labour Costs | (\$48.44) | (\$14.99) |
| Over Total Costs (Net Profit) | (\$70.35) | (\$37.39) |
| Operating Expense Ratio | 122.5% | 100.1% |
| Return on Asset (ROA) | (16.28%) | (7.68%) |

Note: This budget is only a guide and is not intended as an in depth study of the cost of production of this industry. Interpretation and utilization of this information is the responsibility of the user.

Farrow - Finish Pig Production Costs

- 1 This input table outlines the cost of production for a farrow finish operation.
- 2 Buildings and equipment are valued at new cost.
- 3 Purchased feed is used for creep and starter all other feed is home mixed.
- 4 Manure haulage is contracted out.
- 5 Gilts are purchased for herd replacement.
- 6 No weaner pigs are sold.

Farrow - Wean Pig Production Assumptions

Indicators of Productivity

| | |
|--------------------------------|--------------|
| Sows | 500 |
| Boars | 3 |
| Litters/Sow/Year | 2.38 |
| Average Weaning Age (days) | 21 |
| Average Born Alive per Litter | 13.50 |
| Percent Pre-Weaning Mortality | 12.5 |
| Percent Post-Weaning Mortality | 2.4 |

Herd Profile

| | <u>Total</u> | <u>/Sow</u> | <u>/Litter</u> | <u>%Mortality</u> |
|-------------------------|--------------|-------------|----------------|-------------------|
| Sows | 500 | | | |
| Boars | 3 | | | |
| Litters | 1,190 | 2.38 | | |
| Pigs Born Alive | 16,065 | 32.13 | 13.50 | |
| Pigs Died, Pre-Weaning | 2,008 | 4.02 | 1.69 | 12.5 |
| Pigs Weaned | 14,057 | 28.11 | 11.81 | |
| Pigs Died, Post-Weaning | 343 | 0.69 | 0.29 | 2.4 |
| Weaner Pigs Transferred | 13,714 | 27.43 | 11.52 | |

Feed Requirements and Costs

| | | <u>Purchased</u> | <u>Home-Mixed</u> |
|--------------------------|-------------------|-------------------|-------------------|
| Dry Sow Ration | 3.0 kg/day | \$325.85 | \$255.20 /tonne |
| Nursing Sow Ration | 6.5 kg/day | \$401.16 | \$314.70 /tonne |
| Boar Ration | 3.0 kg/day | \$325.85 | \$261.78 /tonne |
| Per Starter 1 (Ration 1) | 0.6 kg | \$1,917.38 | \$913.76 /tonne |
| Pre Starter 2 (Ration 2) | 2.9 kg | \$1,386.06 | \$651.51 /tonne |
| Starter 1 (Ration 3) | 9.0 kg | \$1,011.01 | \$459.35 /tonne |
| Starter 2 (Ration 4) | 16.0 kg | \$764.15 | \$391.65 /tonne |

Weaner Pig Efficiency

| | <u>Ration 1</u> | <u>Ration 2</u> | <u>Ration 3</u> | <u>Ration 4</u> | <u>Total</u> |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|--------------|
| Days Post-Weaning (nursery) | 2.0 | 8.0 | 17.0 | 15.0 | 42 |
| Target Starting Weight (kg) | 6.0 | 6.5 | 9.0 | 16.0 | 6.0 |
| Target Ending Weight (kg) | 6.5 | 9.0 | 16.0 | 26.0 | 26.0 |
| Feed Conversion Ratio | 1.16 | 1.16 | 1.29 | 1.60 | 1.42 |
| Average Daily Gain (kg) | 0.25 | 0.31 | 0.41 | 0.67 | 0.52 |

Labour

| | | | | |
|---------------------------------------|-------|----------------|------------------------------|-------|
| Total Hours per 7-day week | 12.48 | 120.0 | hours/week (include manager) | 6,240 |
| Hourly Wage (including hired manager) | | \$22.00 | /hour (weighted) | |

Grower-Finisher Pig Production Assumptions

Livestock values are based on

| | | | | |
|-----------------------------|-----------------|---------|------------|--------------|
| a Market Price for Pork of: | \$158.00 | /100 kg | 110 | Market Index |
| or: | \$71.67 | /cwt | 80 | % Dressing |
| Premium: | \$2.00 | /head | | |

| Indicators of Productivity | Starter | Grower | Finish | Total |
|---------------------------------------|----------------|---------------|---------------|--------------|
| No. of Pigs (Beginning) | 13,714 | 13,584 | 13,455 | -- |
| Average Beginning Weight (kg) | 26.0 | 40.0 | 95.0 | -- |
| Average Ending Weight (kg) | 40.0 | 95.0 | 121.0 | -- |
| Percent Mortality | 0.95 | 0.95 | 0.95 | 2.8 |
| Days on Feed | 23 | 65 | 28 | 116 |
| Feed Conversion Ratio ¹ | 1.95 | 3.00 | 3.50 | 2.98 |
| No. of Pigs (Ending) | 13,584 | 13,455 | 13,327 | -- |
| Weight Gain/Pig (kg) | 14.0 | 55.0 | 26.0 | 95.0 |
| Feed Disappearance/Pig (kg) | 27.3 | 165.0 | 91.0 | 283.3 |
| Average Daily Gain (kg) | 0.609 | 0.846 | 0.929 | 0.819 |
| Average No. Pigs in Barn ² | 4,338 | 4,297 | 4,256 | 4,297 |

¹ FOOTNOTE: The Feed Conversion Ratio (FCR) in the 'Total' column is a weighted average of the other feed conversion ratios. Also note that an accurate feed conversion ratio for the grower-finisher enterprise is calculated by dividing 'Total Feed used per Year' by 'Total Gain per Year'; where 'Total Gain per Year' equals 'Total Hogs Sold' times 'Gain per Hog'. When calculated in this way, the feed conversion ratio includes feed lost through wastage and weight gain lost through death of pigs.

² FOOTNOTE: Assume that "Avg. No. of Pigs in Barn" equals "Pig Places".

| Productivity Profile | Total | |
|----------------------------------|--------------|---------------------------------------|
| Pigs transferred | 13,714.00 | |
| Pigs Died | 387.00 | 2.80 % mortality |
| Pigs available for marketing | 13,327.00 | |
| Less light weight pig adjustment | 325.18 | 2.44 % light weight adjustment |
| Pigs Sold at full market value | 13,001.82 | 26.00 sold/sow |
| Total Days to Market | 189.00 | |
| Turnover finish | 3.2 | |
| Turnover wean to finish | 2.3 | |

Feed Requirements and Costs

| | FCR* | kg/pig | Ration Cost | |
|---------|-------------|---------------|--------------------|-------------------|
| | | | Purchased | Home-Mixed |
| Starter | 1.95 | 27.3 | \$350.39 | \$327.13 /tonne |
| Grower | 3.00 | 165.0 | \$320.97 | \$294.62 /tonne |
| Finish | 3.50 | 91.0 | \$334.25 | \$258.32 /tonne |

* FCR = Feed Conversion Ratio (Feed:Gain)

Labour

| | | | |
|----------------------------|------|---------------------------------|------------------|
| Total Hours per year | 0.36 | 48 hours/week | 2,496 hours/year |
| Wage (incl. benefits @15%) | | \$22.00 /hour (weighted) | |

Capital Costs

| 4,571 pig places feeder barn | | <u>\$/Sq.Ft.</u> | <u>Total</u> | <u>/Sow</u> |
|---|---------------|------------------|--------------------|-------------------|
| Buildings | | | | |
| Gestation | 13,500 sq.ft. | \$35.00 | \$472,500 | \$945.00 |
| Farrowing/Nursing | 17,850 sq.ft. | \$42.50 | \$758,625 | \$1,517.25 |
| Feeder Barn | 42,056 sq.ft. | \$27.50 | \$1,156,547 | \$2,313.09 |
| Office & Loading | 300 sq.ft. | \$27.50 | \$8,250 | \$16.50 |
| Standby Generator | | | \$25,000 | \$50.00 |
| Feed Mill (building only) | | | \$25,000 | \$50.00 |
| Total Building Cost | | | \$2,445,922 | \$4,891.84 |
| Equipment | | | | |
| Gestation | | \$24.00 | \$324,000 | \$648.00 |
| Farrowing/Nursing | | \$24.00 | \$428,400 | \$856.80 |
| Finishing Barn | | \$22.00 | \$925,238 | \$1,850.48 |
| Fire Alarm System | | | \$3,000 | \$6.00 |
| Feed Mill (equipment only). | | | \$50,000 | \$100.00 |
| Total Equipment Cost | | | \$1,730,638 | \$3,461.28 |
| Total Buildings and Equipment Cost | | | \$4,176,560 | \$8,353.12 |
| Breeding Stock | | | | |
| Value of Replacement Sow | \$350 /sow | | \$175,000 | \$350.00 |
| Value of Replacement Boar | \$3,500 /boar | | \$10,500 | \$21.00 |
| Total Breeding Stock Cost | | | \$185,500 | \$371.00 |
| Land Value | | | | |
| Land Investment | 40 acres @ | \$1,500 /acre | \$60,000 | \$120.00 |
| Land Investment | 0 acres @ | \$1,500 /acre | \$0 | \$0.00 |
| Other Costs | | | | |
| Site Preparation | | | \$30,000 | \$60.00 |
| Manure Storage | | | \$100,000 | \$200.00 |
| Total Other Costs | | | \$130,000 | \$260.00 |
| Total Capital Investment | | | \$4,522,060 | \$9,044.12 |

¹ FOOTNOTE: The number of square feet allocated for buildings and equipment are approximations. Cost per sow for buildings and equipment will vary around the province.

FOOTNOTE: 1 sq.ft. = 0.0929 sq.m; 1 sq.m.= 10.764 sq.ft.; 1 ft.= 0.3048 m

Fixed Costs

Depreciation (straight line):

Useful Life:

Buildings **25** years

Equipment **10** years

Salvage Value (% of original cost):

Buildings **10.00** %

Equipment **10.00** %

Investment Interest Rate

2.75 %

Other Operating Costs, Taxes and Land

| | | | | |
|----------------------------|---------------------------------|--|-------------------------------|-----------------|
| Veterinary Cost: | Professional Services | \$10.00 | /sow | |
| | Medication | \$65.00 | /sow | |
| | Sevices and Medication | \$0.00 | /pig transferred in | |
| Maintenance & Repair | | 1.30 | % of Total Capital Investment | |
| Hydro & Propane | Hydro rate | \$0.08527 | per kwhr | |
| | Hydro usage | 512,058 | kwhr | |
| | Propane rate | \$0.52 | per litre | |
| | Propane usage | 97,500 | litres | |
| Insurance | Buildings & equipment | \$0.78 | /\$100 Capital Invested | |
| | Breeding stock and market hogs | \$0.88 | /\$100 Capital Invested | |
| | Business Interruption | \$0.78 | /\$100 Capital Invested | |
| | Business Interruption Value | \$1,200.00 | per sow | |
| | Estimated value of market hogs | \$138.00 | per market hog | |
| Manure Costs | Storage volume | 68.0 | litres/sow/day ³ | |
| | Cost per litre | \$0.002 | /litre | |
| | Cost per gallon | \$0.010 | /gallon | |
| | Odour control (barley straw) | \$0 | total costs | |
| | Manure Management Fees | \$3,000 | total costs | |
| | Manure nutrient content | nutrient | fertilizer | % nutrient |
| | | kg/1000 | value | value cost |
| | | litres | \$/lb | recovery / sale |
| | Total Nitrogen | 2.69 | 0.434 | 60 |
| | Phosphate (P2O5) | 0.62 | 0.461 | 0 |
| | Potassium | 1.14 | 0.314 | 0 |
| | | * kg/1000 L x 10 = lbs/1000 imp. Gallons | | |
| Office Supplies | Estimated rate/ sow | \$2.00 | \$/sow | |
| Marketing & Transportation | Trucking in | \$0.00 | /pig sold | |
| | Trucking out | \$4.00 | /pig sold | |
| | Council Levy | \$0.80 | /pig sold | |
| | Grading Charge | \$0.06 | /pig sold | |
| | Insurance | \$0.25 | /pig sold | |
| | Special Levy | \$0.00 | /pig sold | |
| Breeding Herd Replacement: | | 40.0 | % of sows replaced per year | |
| | Cull Sow Weight | 180.0 | kg | |
| | Cull Sow Price (live weight) | \$88.48 | /100kg | |
| | Cull Sow Price (dressed weight) | \$110.60 | /100kg | |
| | Value of Replacement Sow | \$300 | /sow | |
| Boar Replacement Rate: | | 50.0 | % of boars replaced per year | |
| | Cull Boar Weight | 225.0 | kg | |
| | Cull Boar Price (live) | \$63.20 | /100kg | |
| | Cull Boar Price (dressed) | \$79.00 | /100kg | |
| | Value of Replacement Boar | \$300 | /boar | |
| | Breeding Costs | | | |
| | Number of services/sow | 2.3 | | \$20,527.50 |

| | | |
|---|----------------------|--------|
| Cost/dose (semen) | \$7.50 | \$1.58 |
| Property Tax: Grower-Finisher Barn & Land | \$0 /year | |
| Farrow-Finish Barn & Land | \$8,000 /year | |
| Land | \$4.35 /acre | |
| Land Value for Grower-Finisher Operation: | | |
| Number of Acres | 40 acres | |
| Number of Acres rented out | 0 acres | |
| Rental rate (income) | \$60 /acre | |
| Land Value per Acre | \$1,500 /acre | |
| Operating Loan Interest Rate | 5.75 % | |

³ FOOTNOTE: 1000 litres = 35.314 cubic feet

Feed Ingredient Costs

| | <u>Price (\$/tonne)</u> | <u>Your Cost</u> |
|--|-------------------------|------------------|
| Wheat | \$216 | _____ |
| Barley | \$197 | _____ |
| Corn | \$175 | _____ |
| Soybean Meal | \$525 | _____ |
| Canola Meal | \$350 | _____ |
| Peas | \$260 | _____ |
| Sow Micro Premix | \$4,000 | _____ |
| Grower Micro Premix | \$8,000 | _____ |
| Canola Oil | \$1,023 | _____ |
| Whey Powder | \$537 | _____ |
| Fish Meal | \$3,030 | _____ |
| Plasma | \$5,270 | _____ |
| Limestone | \$121 | _____ |
| Dical (16% Ca-21% P) | \$723 | _____ |
| Salt - 96% | \$178 | _____ |
| Phytase | \$12,941 | _____ |
| L-Lysine HCL | \$2,014 | _____ |
| L-Threonine | \$2,351 | _____ |
| D L-Methionine | \$3,569 | _____ |
| Oats - Groats | \$392 | _____ |
| Processing Cost | | _____ |
| (Hydro, Repairs/Maintenance & Insurance) | \$5.00 | _____ |
| Percent Weight loss due to processing | 1.25 | _____ |
| Labour Cost | \$7.00 | _____ |

Ration Formulas

| | Sow Gestation | Sow Lactation | Boar Ration |
|--------------------------------|--------------------------|--------------------------|------------------------|
| | (kg) | (kg) | (kg) |
| Wheat | 0.00 | 300.00 | 200.00 |
| Barley | 877.00 | 464.00 | 599.00 |
| Corn | 0.00 | 0.00 | 0.00 |
| Soybean Meal | 0.00 | 197.00 | 0.00 |
| Canola Meal | 87.00 | 0.00 | 80.00 |
| Peas | 0.00 | 0.00 | 91.00 |
| Sow Micro Premix | 5.00 | 5.00 | 5.00 |
| Grower Micro Premix | 0.00 | 0.00 | 0.00 |
| Canola Oil | 0.00 | 0.00 | 0.00 |
| Whey Powder | 0.00 | 0.00 | 0.00 |
| Fish Meal | 0.00 | 0.00 | 0.00 |
| Plasma | 0.00 | 0.00 | 0.00 |
| Limestone | 16.00 | 16.50 | 14.00 |
| Dical (16% Ca-21% P) | 11.00 | 11.00 | 7.00 |
| Salt - 96% | 3.50 | 5.00 | 3.50 |
| Phytase | 0.50 | 0.50 | 0.50 |
| L-Lysine HCL | 0.00 | 1.00 | 0.00 |
| L-Threonine | 0.00 | 0.00 | 0.00 |
| D L-Methionine | 0.00 | 0.00 | 0.00 |
| Oats - Groats | <u>0.00</u> | <u>0.00</u> | <u>0.00</u> |
| Total Must Equal 1000kg | 1,000.00 | 1,000.00 | 1,000.00 |

| | Pre Starter 1 | Pre Starter 2 | Starter 1 | Starter 2 |
|--------------------------------|----------------|----------------|----------------|-----------------|
| | <u>(kg)</u> | <u>(kg)</u> | <u>(kg)</u> | <u>(kg)</u> |
| Wheat | 106.00 | 134.50 | 405.00 | 404.00 |
| Barley | 0.00 | 0.00 | 0.00 | 65.00 |
| Corn | 0.00 | 0.00 | 249.00 | 250.00 |
| Soybean Meal | 120.00 | 130.00 | 200.00 | 227.00 |
| Canola Meal | 0.00 | 0.00 | 0.00 | 0.00 |
| Peas | 0.00 | 0.00 | 0.00 | 0.00 |
| Sow Micro Premix | 5.00 | 5.00 | 5.00 | 5.00 |
| Grower Micro Premix | 0.00 | 0.00 | 0.00 | 0.00 |
| Canola Oil | 27.00 | 19.00 | 11.00 | 0.00 |
| Whey Powder | 121.00 | 125.00 | 70.00 | 0.00 |
| Fish Meal | 61.00 | 75.00 | 40.00 | 25.00 |
| Plasma | 59.00 | 0.00 | 0.00 | 0.00 |
| Limestone | 12.50 | 12.50 | 7.00 | 11.00 |
| Dical (16% Ca-21% P) | 10.00 | 10.00 | 8.00 | 8.00 |
| Salt - 96% | 3.50 | 3.50 | 3.50 | 3.50 |
| Phytase | 0.00 | 0.00 | 0.50 | 0.50 |
| L-Lysine HCL | 0.50 | 0.50 | 1.00 | 1.00 |
| L-Threonine | 0.00 | 0.00 | 0.00 | 0.00 |
| D L-Methionine | 0.00 | 0.00 | 0.00 | 0.00 |
| Oats - Groats | <u>474.50</u> | <u>485.00</u> | <u>0.00</u> | <u>0.00</u> |
| Total Must Equal 1000kg | 1000.00 | 1000.00 | 1000.00 | 1,000.00 |

| | Starter | Grower | Finisher |
|--------------------------------|-----------------|-----------------|-----------------|
| | Ration | Ration | Ration |
| | <u>(kg)</u> | <u>(kg)</u> | <u>(kg)</u> |
| Wheat | 475.00 | 200.00 | 0.00 |
| Barley | 215.00 | 597.00 | 834.00 |
| Corn | 0.00 | 0.00 | 0.00 |
| Soybean Meal | 175.00 | 75.00 | 0.00 |
| Canola Meal | 0.00 | 100.00 | 80.00 |
| Peas | 100.00 | 0.00 | 70.00 |
| Sow Micro Premix | 0.00 | 0.00 | 0.00 |
| Grower Micro Premix | 3.00 | 3.00 | 3.00 |
| Canola Oil | 10.00 | 8.00 | 0.00 |
| Whey Powder | 0.00 | 0.00 | 0.00 |
| Fish Meal | 0.00 | 0.00 | 0.00 |
| Plasma | 0.00 | 0.00 | 0.00 |
| Limestone | 12.00 | 10.00 | 8.00 |
| Dical (16% Ca-21% P) | 5.00 | 2.00 | 1.00 |
| Salt - 96% | 3.50 | 3.50 | 3.50 |
| Phytase | 0.50 | 0.50 | 0.50 |
| L-Lysine HCL | 1.00 | 1.00 | 0.00 |
| L-Threonine | 0.00 | 0.00 | 0.00 |
| D L-Methionine | 0.00 | 0.00 | 0.00 |
| Oats - Groats | <u>0.00</u> | <u>0.00</u> | <u>0.00</u> |
| Total Must Equal 1000kg | 1,000.00 | 1,000.00 | 1,000.00 |

| Feed Requirement and Cost Summary | | | | |
|-----------------------------------|--------------------|----------------------|----------------------------|-----------|
| | Amount (kg) | Price (\$ /tonne) | Ration Cost (\$ /tonne) | Your Cost |
| Sow Gestation | | | | |
| Wheat | | | | _____ |
| Barley | 877.00 | \$197.00 | \$172.77 | _____ |
| Corn | | | | _____ |
| Soybean Meal | | | | _____ |
| Canola Meal | 87.00 | \$350.00 | \$30.45 | _____ |
| Peas | | | | _____ |
| Sow Micro Premix | 5.00 | \$4,000.00 | \$20.00 | _____ |
| Grower Micro Premix | | | | _____ |
| Canola Oil | | | | _____ |
| Whey Powder | | | | _____ |
| Fish Meal | | | | _____ |
| Plasma | | | | _____ |
| Limestone | 16.00 | \$121.00 | \$1.94 | _____ |
| Dical (16% Ca-21% P) | 11.00 | \$723.00 | \$7.95 | _____ |
| Salt - 96% | 3.50 | \$178.00 | \$0.62 | _____ |
| Phytase | 0.50 | \$12,941.00 | \$6.47 | _____ |
| L-Lysine HCL | | | | _____ |
| L-Threonine | | | | _____ |
| D L-Methionine | | | | _____ |
| Oats - Groats | | | | _____ |
| Total Sow Gestation: | 1,000.00 | | \$240.20 | _____ |
| Adjusted For Weight Loss | | 1.25 % | \$243.20 | _____ |
| Plus Processing Cost | | \$5.00 | \$248.20 | _____ |
| Plus Labour Cost | | \$7.00 | \$255.20 | _____ |
| Sow Lactation | | | | |
| Wheat | 300.00 | \$216.00 | \$64.80 | _____ |
| Barley | 464.00 | \$197.00 | \$91.41 | _____ |
| Corn | | | | _____ |
| Soybean Meal | 197.00 | \$525.00 | \$103.43 | _____ |
| Canola Meal | | | | _____ |
| Peas | | | | _____ |
| Sow Micro Premix | 5.00 | \$4,000.00 | \$20.00 | _____ |
| Grower Micro Premix | | | | _____ |
| Canola Oil | | | | _____ |
| Whey Powder | | | | _____ |
| Fish Meal | | | | _____ |
| Plasma | | | | _____ |
| Limestone | 16.50 | \$121.00 | \$2.00 | _____ |
| Dical (16% Ca-21% P) | 11.00 | \$723.00 | \$7.95 | _____ |
| Salt - 96% | 5.00 | \$178.00 | \$0.89 | _____ |
| Phytase | 0.50 | \$12,941.00 | \$6.47 | _____ |
| L-Lysine HCL | 1.00 | \$2,014.00 | \$2.01 | _____ |
| L-Threonine | | | | _____ |
| D L-Methionine | | | | _____ |
| Oats - Groats | | | | _____ |
| Total Sow Lactation: | 1,000.00 kg | | \$298.96 | _____ |
| Adjusted For Weight Loss | | 1.25 % | \$302.70 | _____ |
| Plus Processing Cost | | \$5.00 | \$307.70 | _____ |
| Plus Labour Cost | | \$7.00 | \$314.70 | _____ |
| Boar Ration: | | | | |
| Wheat | 200.00 | \$216.00 | \$43.20 | _____ |
| Barley | 599.00 | \$197.00 | \$118.00 | _____ |
| Corn | | | | _____ |
| Soybean Meal | | | | _____ |
| Canola Meal | 80.00 | \$350.00 | \$28.00 | _____ |
| Peas | 91.00 | \$260.00 | \$23.66 | _____ |
| Sow Micro Premix | 5.00 | \$4,000.00 | \$20.00 | _____ |
| Grower Micro Premix | | | | _____ |
| Canola Oil | | | | _____ |
| Whey Powder | | | | _____ |
| Fish Meal | | | | _____ |
| Plasma | | | | _____ |

| | Amount (kg) | Price (\$ /tonne) | Ration Cost (\$ /tonne) | Your Cost |
|-----------------------------|------------------------|------------------------------|------------------------------------|------------------|
| Limestone | 14.00 | \$121.00 | \$1.69 | _____ |
| Dical (16% Ca-21% P) | 7.00 | \$723.00 | \$5.06 | _____ |
| Salt - 96% | 3.50 | \$178.00 | \$0.62 | _____ |
| Phytase | 0.50 | \$12,941.00 | \$6.47 | _____ |
| L-Lysine HCL | | | | _____ |
| L-Threonine | | | | _____ |
| D L-Methionine | | | | _____ |
| Oats - Groats | | | | _____ |
| Total Boar: | 1,000.00 kg | | \$246.70 | _____ |
| Adjusted For Weight Loss | | 1.25 % | \$249.78 | _____ |
| Plus Processing Cost | | \$5.00 | <u>\$254.78</u> | _____ |
| Plus Labour Cost | | \$7.00 | \$261.78 | _____ |
| Pre Starter 1 | | | | |
| Wheat | 106.00 | \$216.00 | \$22.90 | _____ |
| Barley | | | | _____ |
| Corn | | | | _____ |
| Soybean Meal | 120.00 | \$525.00 | \$63.00 | _____ |
| Canola Meal | | | | _____ |
| Peas | | | | _____ |
| Sow Micro Premix | 5.00 | \$4,000.00 | \$20.00 | _____ |
| Grower Micro Premix | | | | _____ |
| Canola Oil | 27.00 | \$1,023.00 | \$27.62 | _____ |
| Whey Powder | 121.00 | \$537.00 | \$64.98 | _____ |
| Fish Meal | 61.00 | \$3,030.00 | \$184.83 | _____ |
| Plasma | 59.00 | \$5,270.00 | \$310.93 | _____ |
| Limestone | 12.50 | \$121.00 | \$1.51 | _____ |
| Dical (16% Ca-21% P) | 10.00 | \$723.00 | \$7.23 | _____ |
| Salt - 96% | 3.50 | \$178.00 | \$0.62 | _____ |
| Phytase | | | | _____ |
| L-Lysine HCL | 0.50 | \$2,014.00 | \$1.01 | _____ |
| L-Threonine | | | | _____ |
| D L-Methionine | | | | _____ |
| Oats - Groats | 474.50 | \$392.00 | \$186.00 | _____ |
| Total Pre Starter 1: | 1,000.00 kg | | \$890.63 | _____ |
| Adjusted For Weight Loss | | 1.25 % | \$901.76 | _____ |
| Plus Processing Cost | | \$5.00 | <u>\$906.76</u> | _____ |
| Plus Labour Cost | | \$7.00 | \$913.76 | _____ |
| Pre Starter 2 | | | | |
| Wheat | 134.50 | \$216.00 | \$29.05 | _____ |
| Barley | | | | _____ |
| Corn | | | | _____ |
| Soybean Meal | 130.00 | \$525.00 | \$68.25 | _____ |
| Canola Meal | | | | _____ |
| Peas | | | | _____ |
| Sow Micro Premix | 5.00 | \$4,000.00 | \$20.00 | _____ |
| Grower Micro Premix | | | | _____ |
| Canola Oil | 19.00 | \$1,023.00 | \$19.44 | _____ |
| Whey Powder | 125.00 | \$537.00 | \$67.13 | _____ |
| Fish Meal | 75.00 | \$3,030.00 | \$227.25 | _____ |
| Plasma | | | | _____ |
| Limestone | 12.50 | \$121.00 | \$1.51 | _____ |
| Dical (16% Ca-21% P) | 10.00 | \$723.00 | \$7.23 | _____ |
| Salt - 96% | 3.50 | \$178.00 | \$0.62 | _____ |
| Phytase | | | | _____ |
| L-Lysine HCL | 0.50 | \$2,014.00 | \$1.01 | _____ |
| L-Threonine | | | | _____ |
| D L-Methionine | | | | _____ |
| Oats - Groats | 485.00 | \$392.00 | \$190.12 | _____ |
| Total Pre Starter 2 | 1,000.00 kg | | \$631.61 | _____ |
| Adjusted For Weight Loss | | 1.25 % | \$639.51 | _____ |
| Plus Processing Cost | | \$5.00 | <u>\$644.51</u> | _____ |
| Plus Labour Cost | | \$7.00 | \$651.51 | _____ |

Starter 1

| | Amount (kg) | Price (\$ /tonne) | Ration Cost (\$ /tonne) | Your Cost |
|--------------------------|------------------------|------------------------------|------------------------------------|------------------|
| Wheat | 405.00 | \$216.00 | \$87.48 | _____ |
| Barley | | | | _____ |
| Corn | 249.00 | \$175.00 | \$43.58 | _____ |
| Soybean Meal | 200.00 | \$525.00 | \$105.00 | _____ |
| Canola Meal | | | | _____ |
| Peas | | | | _____ |
| Sow Micro Premix | 5.00 | \$4,000.00 | \$20.00 | _____ |
| Grower Micro Premix | | | | _____ |
| Canola Oil | 11.00 | \$1,023.00 | \$11.25 | _____ |
| Whey Powder | 70.00 | \$537.00 | \$37.59 | _____ |
| Fish Meal | 40.00 | \$3,030.00 | \$121.20 | _____ |
| Plasma | | | | _____ |
| Limestone | 7.00 | \$121.00 | \$0.85 | _____ |
| Dical (16% Ca-21% P) | 8.00 | \$723.00 | \$5.78 | _____ |
| Salt - 96% | 3.50 | \$178.00 | \$0.62 | _____ |
| Phytase | 0.50 | \$12,941.00 | \$6.47 | _____ |
| L-Lysine HCL | 1.00 | \$2,014.00 | \$2.01 | _____ |
| L-Threonine | | | | _____ |
| D L-Methionine | | | | _____ |
| Oats - Groats | | | | _____ |
| Total Starter 1 | 1,000.00 kg | | \$441.83 | _____ |
| Adjusted For Weight Loss | | 1.25 % | \$447.35 | _____ |
| Plus Processing Cost | | \$5.00 | <u>\$452.35</u> | _____ |
| Plus Labour Cost | | \$7.00 | \$459.35 | _____ |
| | | | | |
| Starter 2 | | | | |
| Wheat | 404.00 | \$216.00 | \$87.26 | _____ |
| Barley | 65.00 | \$197.00 | \$12.81 | _____ |
| Corn | 250.00 | \$175.00 | \$43.75 | _____ |
| Soybean Meal | 227.00 | \$525.00 | \$119.18 | _____ |
| Canola Meal | 0.00 | | | _____ |
| Peas | 0.00 | | | _____ |
| Sow Micro Premix | 5.00 | \$4,000.00 | \$20.00 | _____ |
| Grower Micro Premix | 0.00 | | | _____ |
| Canola Oil | 0.00 | | | _____ |
| Whey Powder | 0.00 | | | _____ |
| Fish Meal | 25.00 | \$3,030.00 | \$75.75 | _____ |
| Plasma | 0.00 | | | _____ |
| Limestone | 11.00 | \$121.00 | \$1.33 | _____ |
| Dical (16% Ca-21% P) | 8.00 | \$723.00 | \$5.78 | _____ |
| Salt - 96% | 3.50 | \$178.00 | \$0.62 | _____ |
| Phytase | 0.50 | \$12,941.00 | \$6.47 | _____ |
| L-Lysine HCL | 1.00 | \$2,014.00 | \$2.01 | _____ |
| L-Threonine | 0.00 | | | _____ |
| D L-Methionine | 0.00 | | | _____ |
| Oats - Groats | 0.00 | | | _____ |
| Total Starter 2 | 1,000.00 kg | | \$374.96 | _____ |
| Adjusted For Weight Loss | | 1.25 % | \$379.65 | _____ |
| Plus Processing Cost | | \$5.00 | <u>\$384.65</u> | _____ |
| Plus Labour Cost | | \$7.00 | \$391.65 | _____ |
| | | | | |
| Starter | | | | |
| Wheat | 475.00 | \$216.00 | \$102.60 | _____ |
| Barley | 215.00 | \$197.00 | \$42.36 | _____ |
| Corn | | | | _____ |
| Soybean Meal | 175.00 | \$525.00 | \$91.88 | _____ |
| Canola Meal | | | | _____ |
| Peas | 100.00 | \$260.00 | \$26.00 | _____ |
| Sow Micro Premix | | | | _____ |
| Grower Micro Premix | 3.00 | \$8,000.00 | \$24.00 | _____ |
| Canola Oil | 10.00 | \$1,023.00 | \$10.23 | _____ |
| Whey Powder | | | | _____ |
| Fish Meal | | | | _____ |
| Plasma | | | | _____ |
| Limestone | 12.00 | \$121.00 | \$1.45 | _____ |
| Dical (16% Ca-21% P) | 5.00 | \$723.00 | \$3.62 | _____ |

| | Amount (kg) | Price (\$ /tonne) | Ration Cost (\$ /tonne) | Your Cost |
|--------------------------|--------------------|----------------------|----------------------------|-----------|
| Salt - 96% | 3.50 | \$178.00 | \$0.62 | _____ |
| Phytase | 0.50 | \$12,941.00 | \$6.47 | _____ |
| L-Lysine HCL | 1.00 | \$2,014.00 | \$2.01 | _____ |
| L-Threonine | | | | _____ |
| D L-Methionine | | | | _____ |
| Oats - Groats | | | | _____ |
| Total Starter | 1,000.00 kg | | \$311.24 | _____ |
| Adjusted For Weight Loss | | 1.25 % | \$315.13 | _____ |
| Plus Processing Cost | | \$5.00 | <u>\$320.13</u> | _____ |
| Plus Labour Cost | | \$7.00 | \$327.13 | _____ |
| Grower | | | | |
| Wheat | 200.0 | \$216.00 | \$43.20 | _____ |
| Barley | 597.0 | \$197.00 | \$117.61 | _____ |
| Corn | | | | _____ |
| Soybean Meal | 75.0 | \$525.00 | \$39.38 | _____ |
| Canola Meal | 100.0 | \$350.00 | \$35.00 | _____ |
| Peas | | | | _____ |
| Sow Micro Premix | | | | _____ |
| Grower Micro Premix | 3.0 | \$8,000.00 | \$24.00 | _____ |
| Canola Oil | 8.0 | \$1,023.00 | \$8.18 | _____ |
| Whey Powder | | | | _____ |
| Fish Meal | | | | _____ |
| Plasma | | | | _____ |
| Limestone | 10.0 | \$121.00 | \$1.21 | _____ |
| Dical (16% Ca-21% P) | 2.0 | \$723.00 | \$1.45 | _____ |
| Salt - 96% | 3.5 | \$178.00 | \$0.62 | _____ |
| Phytase | 0.5 | \$12,941.00 | \$6.47 | _____ |
| L-Lysine HCL | 1.0 | \$2,014.00 | \$2.01 | _____ |
| L-Threonine | | | | _____ |
| D L-Methionine | | | | _____ |
| Oats - Groats | | | | _____ |
| Total Grower | 1,000.00 kg | | \$279.13 | _____ |
| Adjusted For Weight Loss | | 1.25 % | \$282.62 | _____ |
| Plus Processing Cost | | \$5.00 | <u>\$287.62</u> | _____ |
| Plus Labour Cost | | \$7.00 | \$294.62 | _____ |
| Finisher | | | | |
| Wheat | | | | _____ |
| Barley | 834.00 | \$197.00 | \$164.30 | _____ |
| Corn | | | | _____ |
| Soybean Meal | | | | _____ |
| Canola Meal | 80.00 | \$350.00 | \$28.00 | _____ |
| Peas | 70.00 | \$260.00 | \$18.20 | _____ |
| Sow Micro Premix | | | | _____ |
| Grower Micro Premix | 3.00 | \$8,000.00 | \$24.00 | _____ |
| Canola Oil | | | | _____ |
| Whey Powder | | | | _____ |
| Fish Meal | | | | _____ |
| Plasma | | | | _____ |
| Limestone | 8.00 | \$121.00 | \$0.97 | _____ |
| Dical (16% Ca-21% P) | 1.00 | \$723.00 | \$0.72 | _____ |
| Salt - 96% | 3.50 | \$178.00 | \$0.62 | _____ |
| Phytase | 0.50 | \$12,941.00 | \$6.47 | _____ |
| L-Lysine HCL | | | | _____ |
| L-Threonine | | | | _____ |
| D L-Methionine | | | | _____ |
| Oats - Groats | | | | _____ |
| Total Finisher | 1,000.00 kg | | \$243.28 | _____ |
| Adjusted For Weight Loss | | 1.25 % | \$246.32 | _____ |
| Plus Processing Cost | | \$5.00 | <u>\$251.32</u> | _____ |
| Plus Labour Cost | | \$7.00 | \$258.32 | _____ |

Farrow Finish Pig Production Cost Worksheet

Your Cost

A. Operating Costs

1. Feed Requirements and Costs

1.01 Sow Lactation - Purchased Feed

| | | | |
|---|---------------|---------------------------|--|
| | 21 | days average weaning age | |
| x | 2.38 | litters/sow/year | |
| = | 50.0 | days lactation | |
| x | 6.5 | kg ration/day | |
| x | \$401.16 | /tonne ration | |
| ÷ | 1,000 | kg/tonne | |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | |
| = | \$5.03 | /pig sold | |

1.011 Sow Lactation - Home Mixed Feed

| | | | |
|---|---------------|---------------------------|--|
| | 21 | days average weaning age | |
| x | 2.38 | litters/sow/year | |
| = | 50.0 | days lactation | |
| x | 6.5 | kg ration/day | |
| x | \$314.70 | /tonne ration | |
| ÷ | 1,000 | kg/tonne | |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | |
| = | \$3.95 | /pig sold | |

1.02 Sow Gestation - Purchased Feed

| | | | |
|---|----------------|---------------------------|--|
| | 365 | days/year | |
| - | 50.0 | days lactation | |
| = | 315.0 | days gestation | |
| x | 3.0 | kg ration/day | |
| x | \$325.85 | /tonne ration | |
| ÷ | 1,000 | kg/tonne | |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | |
| = | \$11.65 | /pig sold | |

1.021 Sow Gestation -Home Mixed Feed

| | | | |
|---|---------------|---------------------------|--|
| | 365 | days/year | |
| - | 50.0 | days lactation | |
| = | 315.0 | days gestation | |
| x | 3.0 | kg ration/day | |
| x | \$255.20 | /tonne ration | |
| ÷ | 1,000 | kg/tonne | |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | |
| = | \$9.12 | /pig sold | |

1.03 Boar Ration - Purchased Feed

| | | | |
|---|------------------|-----------------------|--|
| | 365 | days/year | |
| x | 3.0 | kg ration/day | |
| x | \$325.85 | /tonne ration | |
| x | 3.0 | boars | |
| ÷ | 1,000 | kg/tonne | |
| ± | <u>13.714</u> | <u>pigs sold/year</u> | |
| = | \$0.07805 | /pig sold | |

1.031 Boar Ration - Home Mixed Feed

| | | | |
|---|------------------|-----------------------|--|
| | 365 | days/year | |
| x | 3.0 | kg ration/day | |
| x | \$261.78 | /tonne ration | |
| x | 3.0 | boars | |
| ÷ | 1,000 | kg/tonne | |
| ± | <u>13.714</u> | <u>pigs sold/year</u> | |
| = | \$0.06271 | /pig sold | |

| | | | <u>Your Cost</u> |
|--|---------------|------------------------------|------------------|
| 1.04 Pre Starter 1 - Purchased Feed | | | |
| | 6.5 | kg target sale weight | _____ |
| - | 6.0 | kg target weaning weight | _____ |
| = | 0.5 | kg weight gain | _____ |
| x | 1.2 | feed conversion ratio | _____ |
| = | 0.6 | kg ration/pig | _____ |
| x | \$1,917.38 | /tonne of creep feed | _____ |
| ÷ | 1,000 | kg/tonne | _____ |
| x | 32.13 | pigs born alive/sow/year | _____ |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$1.37 | /pig sold | _____ |
| 1.041 Pre Starter 1 - Home Mixed Feed | | | |
| | 6.5 | kg target sale weight | _____ |
| - | 6.0 | kg target weaning weight | _____ |
| = | 0.5 | kg weight gain | _____ |
| x | 1.2 | feed conversion ratio | _____ |
| = | 0.6 | kg ration/pig | _____ |
| x | \$913.76 | /tonne of creep feed | _____ |
| ÷ | 1,000 | kg/tonne | _____ |
| x | 32.13 | pigs born alive/sow/year | _____ |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$0.65 | /pig sold | _____ |
| 1.05 Pre Starter 2 - Purchased Feed | | | |
| | 9.0 | kg target sale weight | _____ |
| - | 6.5 | kg target weaning weight | _____ |
| = | 2.5 | kg weight gain | _____ |
| x | 1.2 | feed conversion ratio | _____ |
| = | 2.9 | kg ration/pig | _____ |
| x | \$1,386.06 | /tonne starter ration #1 | _____ |
| ÷ | 1,000 | kg/tonne | _____ |
| x | 27.43 | weaners transferred/sow/year | _____ |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$4.24 | /pig sold | _____ |
| 1.051 Pre Starter 2 - Home Mixed Feed | | | |
| | 9.0 | kg target sale weight | _____ |
| - | 6.5 | kg target weaning weight | _____ |
| = | 2.5 | kg weight gain | _____ |
| x | 1.2 | feed conversion ratio | _____ |
| = | 2.9 | kg ration/pig | _____ |
| x | \$651.51 | /tonne starter ration #1 | _____ |
| ÷ | 1,000 | kg/tonne | _____ |
| x | 27.43 | weaners transferred/sow/year | _____ |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$1.99 | /pig sold | _____ |
| 1.06 Starter 1 - Purchased Feed | | | |
| | 16.00 | kg target sale weight | _____ |
| - | 9.00 | kg target weaning weight | _____ |
| = | 7.00 | kg weight gain | _____ |
| x | 1.29 | feed conversion ratio | _____ |
| = | 9.00 | kg ration/pig | _____ |
| x | \$1,011.01 | /tonne starter ration #2 | _____ |
| ÷ | 1,000 | kg/tonne | _____ |
| x | 27.43 | weaners transferred/sow/year | _____ |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$9.60 | /pig sold | _____ |
| 1.061 Starter 1 - Home Mixed Feed | | | |
| | 16.00 | kg target sale weight | _____ |
| - | 9.00 | kg target weaning weight | _____ |
| = | 7.00 | kg weight gain | _____ |

| | | | <u>Your Cost</u> |
|---|----------------|------------------------------|------------------|
| X | 1.29 | feed conversion ratio | _____ |
| = | 9.00 | kg ration/pig | _____ |
| X | \$459.35 | /tonne starter ration #2 | _____ |
| ÷ | 1,000 | kg/tonne | _____ |
| X | 27.43 | weaners transferred/sow/year | _____ |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$4.36 | /pig sold | _____ |
| 1.07 Starter 2 - Purchased Feed | | | |
| | 26.0 | kg target sale weight | _____ |
| - | 16.0 | kg target weaning weight | _____ |
| = | 10.0 | kg weight gain | _____ |
| X | 1.60 | feed conversion ratio | _____ |
| = | 16.00 | kg ration/pig | _____ |
| X | \$764.15 | /tonne starter ration #2 | _____ |
| ÷ | 1,000 | kg/tonne | _____ |
| X | 27.43 | weaners transferred/sow/year | _____ |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$12.90 | /pig sold | _____ |
| 1.071 Starter 2 - Home Mixed Feed | | | |
| | 26.0 | kg target sale weight | _____ |
| - | 16.0 | kg target weaning weight | _____ |
| = | 10.0 | kg weight gain | _____ |
| X | 1.60 | feed conversion ratio | _____ |
| = | 16.00 | kg ration/pig | _____ |
| X | \$391.65 | /tonne starter ration #2 | _____ |
| ÷ | 1,000 | kg/tonne | _____ |
| X | 27.43 | weaners transferred/sow/year | _____ |
| ± | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$6.61 | /pig sold | _____ |
| 1.08 Starter Ration - Purchased Feed | | | |
| | 14.0 | kg weight gain/pig | _____ |
| X | 1.95 | feed conversion ratio | _____ |
| = | 27.3 | kg ration/pig | _____ |
| X | \$350.39 | /tonne ration | _____ |
| ± | <u>1,000</u> | <u>kg/tonne</u> | _____ |
| = | \$9.57 | /pig sold | _____ |
| 1.081 Starter Ration - Home Mixed Feed | | | |
| | 14.0 | kg weight gain/pig | _____ |
| X | 1.95 | feed conversion ratio | _____ |
| = | 27.3 | kg ration/pig | _____ |
| X | \$327.13 | /tonne ration | _____ |
| ± | <u>1,000</u> | <u>kg/tonne</u> | _____ |
| = | \$8.93 | /pig sold | _____ |
| 1.09 Grower Ration - Purchased Feed | | | |
| | 55.0 | kg weight gain/pig | _____ |
| X | 3.00 | feed conversion ratio | _____ |
| = | 165.0 | kg ration/pig | _____ |
| X | \$320.97 | /tonne ration | _____ |
| ± | <u>1,000</u> | <u>kg/tonne</u> | _____ |
| = | \$52.96 | /pig sold | _____ |
| 1.091 Grower Ration - Home Mixed Feed | | | |
| | 55.0 | kg weight gain/pig | _____ |
| X | 3.00 | feed conversion ratio | _____ |
| = | 165.0 | kg ration/pig | _____ |
| X | \$294.62 | /tonne ration | _____ |
| ± | <u>1,000</u> | <u>kg/tonne</u> | _____ |
| = | \$48.61 | /pig sold | _____ |

| | | | <u>Your Cost</u> |
|--|----------------|------------------------------------|------------------|
| 1.10 Finisher Ration - Purchased Feed | | | |
| | 26.0 | kg weight gain/pig | _____ |
| x | 3.50 | feed conversion ratio | _____ |
| = | 91.0 | kg ration/pig | _____ |
| x | \$334.25 | /tonne ration | _____ |
| ÷ | <u>1,000</u> | <u>kg/tonne</u> | _____ |
| = | \$30.42 | /pig sold | _____ |
| 1.101 Finisher Ration - Home Mixed Feed | | | |
| | 26.0 | kg weight gain/pig | _____ |
| x | 3.50 | feed conversion ratio | _____ |
| = | 91.0 | kg ration/pig | _____ |
| x | \$258.32 | /tonne ration | _____ |
| ÷ | <u>1,000</u> | <u>kg/tonne</u> | _____ |
| = | \$23.51 | /pig sold | _____ |
| 2. Other Operating Costs | | | |
| 2.01 Veterinary Medicine & Supplies | | | |
| | \$10.00 | /sow/year services | _____ |
| + | \$65.00 | /sow/year medication | _____ |
| ÷ | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$2.88 | /pig sold | _____ |
| | \$0.00 | /pig transferred in | _____ |
| x | 13,714 | pigs transferred in | _____ |
| ÷ | <u>13,002</u> | <u>pigs sold</u> | _____ |
| = | \$0.00 | /pig sold | _____ |
| = | \$2.88 | /pig sold | _____ |
| 2.02 Maintenance & Repairs | | | |
| | \$4,176,560 | building & equipment | _____ |
| x | 1.30 | %/sow/year repair & maintenance | _____ |
| ÷ | <u>13,002</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$4.18 | /pig sold | _____ |
| 2.03 Hydro & Propane/Natural Gas | | | |
| | \$50,700 | propane/natural gas | _____ |
| x | \$43,663 | hydro | _____ |
| ÷ | <u>13,002</u> | <u>pigs sold</u> | _____ |
| = | \$7.26 | /pig sold | _____ |
| 2.04 Insurance | | | |
| | \$4,176,560 | buildings & equipment | _____ |
| x | \$0.78 | rate/\$100 | _____ |
| ÷ | 100 | /\$100 capital invested | _____ |
| ÷ | <u>13,002</u> | <u>pigs sold</u> | _____ |
| = | \$2.51 | /pig sold | _____ |
| | \$185,500 | breeding stock | _____ |
| + | \$592,937 | market hogs value | _____ |
| ÷ | \$0.88 | /\$100 capital invested | _____ |
| ÷ | <u>13,002</u> | <u>pigs sold</u> | _____ |
| = | \$0.53 | /pig sold | _____ |
| | \$1,200.00 | business interruption coverage/sow | _____ |
| x | 500 | sows | _____ |
| x | \$0.78 | /\$100 capital invested | _____ |
| ÷ | <u>13,002</u> | <u>pigs sold</u> | _____ |
| = | \$0.36 | /pig sold | _____ |
| = | \$3.39 | /pig sold | _____ |

Your Cost

2.05 Manure Costs

| | | | |
|---------|--------------|---------------------------|-------|
| Haulage | 68.0 | litres/sow/day | _____ |
| x | \$0.002 | /litres haulage rate | _____ |
| x | 365 | days | _____ |
| ÷ | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$2.10 | /pig sold | _____ |

Estimated Nutrient Value

| | | | |
|---|--------------|----------------------------|-------|
| | 68.0 | litres/sow/day | _____ |
| x | 365 | days/year | _____ |
| x | 500 | average inventory of pigs | _____ |
| ÷ | <u>1,000</u> | | _____ |
| = | 12,410 | # of 1000 litres of manure | _____ |

Nitrogen

| | | | |
|---|---------------|-------------------------------------|-------|
| | 2.69 | kg per 1000 litres | _____ |
| x | 12,410 | # of 1000 litres of manure | _____ |
| x | 60 | % nutrient value recovery | _____ |
| ÷ | 2.2046 | lbs per kg | _____ |
| x | \$0.43 | fertilizer value per lb. | _____ |
| ÷ | <u>13.002</u> | <u>pigs sold</u> | _____ |
| = | \$0.30 | estimated nutrient value / pig sold | _____ |

Phosphate

| | | | |
|---|---------------|-------------------------------------|-------|
| | 0.62 | kg per 1000 litres | _____ |
| x | 12,410 | # of 1000 litres of manure | _____ |
| x | 0 | % nutrient value recovery | _____ |
| ÷ | 2.2046 | lbs per kg | _____ |
| x | \$0.46 | fertilizer value per lb. | _____ |
| ÷ | <u>13.002</u> | <u>pigs sold</u> | _____ |
| = | \$0.00 | estimated nutrient value / pig sold | _____ |

Potassium

| | | | |
|---|---------------|-------------------------------------|-------|
| | 1.14 | kg per 1000 litres | _____ |
| x | 12,410 | # of 1000 litres of manure | _____ |
| x | 0 | % nutrient value recovery | _____ |
| ÷ | 2.2046 | lbs per kg | _____ |
| x | \$0.31 | fertilizer value per lb. | _____ |
| ÷ | <u>13.002</u> | <u>pigs sold</u> | _____ |
| = | \$0.00 | estimated nutrient value / pig sold | _____ |

Odour control & Mgmt Fees

| | | | |
|---|---------------|------------------|-------|
| | \$3,000 | total costs | _____ |
| ÷ | <u>13.002</u> | <u>pigs sold</u> | _____ |
| = | \$0.23 | /pig sold | _____ |

Total = \$2.03 /pig sold

2.06 Office Supplies

| | | | |
|---|---------------|---------------------------|-------|
| | \$2.00 | \$/sow | _____ |
| ÷ | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$0.08 | /pig sold | _____ |

2.07 Marketing & Transportation

| | | | |
|---|---------------|---------------------|-------|
| | \$0.00 | trucking in | _____ |
| + | \$4.00 | trucking out | _____ |
| + | \$0.80 | council levy | _____ |
| + | \$0.06 | grading charge | _____ |
| + | \$0.25 | insurance | _____ |
| ± | <u>\$0.00</u> | <u>special levy</u> | _____ |
| = | \$5.11 | /pig sold | _____ |

2.08 AI Costs

| | | |
|------|------------------------|-------|
| 2.30 | Number of services/sow | _____ |
|------|------------------------|-------|

| | | | <u>Your Cost</u> |
|------------------------------|---------------|----------------------------|------------------|
| x | \$7.50 | Cost/dose (semen) | _____ |
| x | 500 | sows | _____ |
| x | 2.38 | Litters/Sow/Year | _____ |
| ÷ | <u>13.002</u> | <u>pigs sold</u> | _____ |
| = | \$1.58 | /pig sold | _____ |
| 2.09 Herd Replacement | | | |
| Sow | 180.0 | kg/sow (cull weight) | _____ |
| x | \$88.48 | /100 kg live | _____ |
| = | \$159.26 | /sow value of cull | _____ |
| | \$300.00 | /sow value of replacement | _____ |
| - | \$159.26 | /sow value of cull | _____ |
| = | \$140.74 | net replacement cost | _____ |
| x | 40.0 | percent sow culling rate | _____ |
| ÷ | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$2.16 | /pig sold | _____ |
| Boar | 225.0 | kg/boar (cull weight) | _____ |
| x | \$63.20 | /100 kg live | _____ |
| = | \$142.20 | /boar value of cull | _____ |
| | \$300 | /boar value of replacement | _____ |
| - | \$142.20 | /boar value of cull | _____ |
| = | \$157.80 | net replacement cost | _____ |
| x | 50.0 | % culling rate | _____ |
| x | 3 | number of boars | _____ |
| ÷ | 500 | number of sows | _____ |
| ÷ | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$0.02 | /pig sold | _____ |
| Total | \$2.18 | /pig sold | _____ |
| 2.10 Property Taxes | | | |
| | \$8,000 | taxes on barn and land | _____ |
| ÷ | <u>13.002</u> | <u>pigs sold</u> | _____ |
| = | \$0.62 | /pig sold | _____ |
| | \$4.35 | taxes on land | _____ |
| x | 0 | acres | _____ |
| ÷ | <u>13.002</u> | <u>pigs sold</u> | _____ |
| = | \$0.00 | /pig sold | _____ |
| Total | \$0.62 | /pig sold | _____ |

2.11 Interest on Operating Cost:

| | | | |
|--|---------------|----------------------------------|-------|
| <u>Sub-total Operating Cost x days to market x interest</u> | | | |
| | 2 | 365 | |
| Interest on Operating Cost - Purchased Feed | | | |
| | \$167.11 | subtotal operating | _____ |
| ÷ | 2 | average | _____ |
| x | 189 | days farrow to farrow | _____ |
| ÷ | 365 | days per year | _____ |
| x | <u>5.8</u> | <u>% operating interest rate</u> | _____ |
| = | \$2.49 | /pig sold | _____ |
| Interest on Operating Cost - Home Mixed Feed | | | |
| | \$137.10 | subtotal operating | _____ |
| ÷ | 2 | average | _____ |
| x | 189 | days farrow to farrow | _____ |
| ÷ | 365 | days per year | _____ |

| | | | | | |
|---|--|---------------|----------------------------------|--|-------------------------|
| | | <u>5.8</u> | <u>% operating interest rate</u> | | <u>Your Cost</u> |
| x | | | | | |
| = | | \$2.04 | /pig sold | | |

B. Fixed Costs

**3. Depreciation: Original cost - Salvage Value
Useful Life**

3.01 Buildings - not including feed mill

| | | | | | |
|---|---------------|--|--|--|--|
| | | | building cost (including earthen manure storage) | | |
| | \$1,805,638 | | | | |
| - | \$242,092 | | salvage value (building only) | | |
| ÷ | 25 | | years useful life | | |
| ÷ | <u>13.002</u> | | <u>pigs sold</u> | | |
| = | \$4.81 | | /pig sold | | |

Buildings - including feedmill

| | | | | | |
|---|---------------|--|--|--|--|
| | | | building cost (including earthen manure storage) | | |
| | \$1,830,638 | | | | |
| - | \$244,592 | | salvage value (building only) | | |
| ÷ | 25 | | years useful life | | |
| ÷ | <u>13.002</u> | | <u>pigs sold</u> | | |
| = | \$4.88 | | /pig sold | | |

3.02 Equipment - not including feedmill

| | | | | | |
|---|----------------|--|-------------------|--|--|
| | | | equipment cost | | |
| | \$1,680,638 | | | | |
| - | \$168,064 | | salvage value | | |
| ÷ | 10 | | years useful life | | |
| ÷ | <u>13.002</u> | | <u>pigs sold</u> | | |
| = | \$11.63 | | /pig sold | | |

Equipment - including feedmill

| | | | | | |
|---|----------------|--|-------------------|--|--|
| | | | equipment cost | | |
| | \$1,730,638 | | | | |
| - | \$173,064 | | salvage value | | |
| ÷ | 10 | | years useful life | | |
| ÷ | <u>13.002</u> | | <u>pigs sold</u> | | |
| = | \$11.98 | | /pig sold | | |

4. Investment:

$$\frac{(\text{Original Cost} + \text{Salvage Value})}{2} \times \% \text{ Investment Interest}$$

4.01 Land for Barn Site

| | | | | | |
|---|---------------|--|----------------------|--|--|
| | | | land investment | | |
| | \$60,000 | | | | |
| + | \$30,000 | | site preparation | | |
| x | 2.8 | | % investment rate | | |
| ÷ | <u>13.002</u> | | <u>pigs marketed</u> | | |
| = | \$0.19 | | /pig sold | | |

Land for manure application

| | | | | | |
|--------------|---------------|--|-------------------|--|--|
| | | | land investment | | |
| | \$0 | | | | |
| x | 2.8 | | % investment rate | | |
| ÷ | <u>13.002</u> | | <u>pigs sold</u> | | |
| = | \$0.00 | | /pig sold | | |
| Total | \$0.19 | | /pig sold | | |

4.02 Buildings - not including feedmill

| | | | | | |
|---|---------------|--|--|--|--|
| | | | building cost (including earthen manure storage) | | |
| | \$2,520,922 | | | | |
| + | \$242,092 | | salvage value (building only) | | |
| ÷ | 2 | | average | | |
| x | 2.8 | | % investment rate | | |
| ÷ | <u>13.002</u> | | <u>pigs sold</u> | | |

| | | | <u>Your Cost</u> |
|--|------------------|--|------------------|
| = | \$2.92 | /pig sold | |
| Buildings - including feedmill | | | |
| | \$2,545,922 | building cost (including earthen manure storage) | _____ |
| + | \$244,592 | salvage value (building only) | _____ |
| ÷ | 2 | average | _____ |
| x | 2.8 | % investment rate | _____ |
| ÷ | <u>13,002</u> | <u>pigs sold</u> | _____ |
| = | \$2.95 | /pig sold | |
| 4.03 Equipment - not including feedmill | | | |
| | \$1,680,638 | equipment cost/sow | _____ |
| + | \$168,064 | salvage value/sow | _____ |
| ÷ | 2 | average | _____ |
| x | 2.8 | % investment rate | _____ |
| ÷ | <u>13,002</u> | <u>pigs sold</u> | _____ |
| = | \$1.96 | /pig sold | _____ |
| Equipment - including feedmill | | | |
| | \$1,730,638 | equipment cost/sow | _____ |
| + | \$173,064 | salvage value/sow | _____ |
| ÷ | 2 | average | _____ |
| x | 2.8 | % investment rate | _____ |
| ÷ | <u>13,002</u> | <u>pigs sold</u> | _____ |
| = | \$2.01 | /pig sold | _____ |
| 4.04 Breeding Stock | | | |
| | \$185,500 | value of breeding stock | _____ |
| x | 2.8 | % investment rate | _____ |
| ÷ | <u>13,002</u> | <u>pigs sold</u> | _____ |
| = | \$0.39 | /pig sold | _____ |
| C. Labour | | | |
| Farrow Wean | 120.0 | hours/week | _____ |
| x | 52 | weeks/year | _____ |
| x | \$22.00 | /hour | _____ |
| ÷ | 500 | sows | _____ |
| ÷ | <u>26.00</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$10.56 | /pig sold | _____ |
| Grower Finish | 48 | hours/week | _____ |
| | 52 | weeks/year | _____ |
| x | \$22.00 | /hour | _____ |
| ÷ | <u>13,002</u> | <u>pigs sold/sow/year</u> | _____ |
| = | \$4.22 | /pig sold | _____ |
| Total | = \$14.78 | /pig sold | _____ |

Return on Assets =
$$\frac{\text{Net Income} + \text{Operating Interest} + \text{Investment Interest} - \text{Value of Unpaid Family and Operator Labour}}{\text{Total Assets}}$$

Total Assets Definition: Total assets includes the buildings, equipment, land, manure storage, average value of market animals and breeding stock valued at replacement cost.

Summary of Purchased Feeds Used

| Farrow finish Total sold | 500 sows 13,002 pigs sold | | Total per Pig <u>(kgs)</u> | Total per Pig <u>(lbs)</u> |
|-----------------------------|--------------------------------------|---------------------------------------|----------------------------------|----------------------------------|
| | Total per Year <u>(tonnes)</u> | Total per Month <u>(tonnes)</u> | | |
| Dry Sow Ration | 465 | 38.7 | 35.7 | 78.8 |
| Nursing Sow Ration | 163 | 13.6 | 12.6 | 27.7 |
| Boar Ration | 3 | 0.3 | 0.3 | 0.6 |
| Per Starter 1 (Ration 1) | 8 | 0.7 | 0.6 | 1.4 |
| Pre Starter 2 (Ration 2) | 41 | 3.4 | 3.1 | 6.9 |
| Starter 1 (Ration 3) | 127 | 10.5 | 9.7 | 21.5 |
| Starter 2 (Ration 4) | 225 | 18.7 | 17.3 | 38.1 |
| Starter | 384 | 32.0 | 29.5 | 65.1 |
| Grower | 2,319 | 193.3 | 178.4 | 393.3 |
| Finish | <u>1,279</u> | <u>106.6</u> | <u>98.4</u> | <u>216.9</u> |
| Total | 5,013.8 | 417.8 | 385.6 | 850.1 |

Summary of Home Mixed Feed Ingredients Used

| | Total per Year <u>(tonnes)</u> | Total per Month <u>(tonnes)</u> | Total per Pig <u>(kgs)</u> | Total per Pig <u>(lbs)</u> |
|--------------------------|--------------------------------------|---------------------------------------|----------------------------------|----------------------------------|
| Wheat | 828.6 | 69.0 | 63.7 | 140.5 |
| Barley | 2965.6 | 247.1 | 228.1 | 502.9 |
| Corn | 87.6 | 7.3 | 6.7 | 14.9 |
| Soybean Meal | 347.4 | 28.9 | 26.7 | 58.9 |
| Canola Meal | 366.8 | 30.6 | 28.2 | 62.2 |
| Peas | 125.1 | 10.4 | 9.6 | 21.2 |
| Sow Micro Premix | 5.2 | 0.4 | 0.4 | 0.9 |
| Grower Micro Premix | 11.7 | 1.0 | 0.9 | 2.0 |
| Canola Oil | 25.3 | 2.1 | 1.9 | 4.3 |
| Whey Powder | 21.8 | 1.8 | 1.7 | 3.7 |
| Fish Meal | 15.7 | 1.3 | 1.2 | 2.7 |
| Plasma | 0.5 | 0.0 | 0.0 | 0.1 |
| Limestone | 50.9 | 4.2 | 3.9 | 8.6 |
| Dical (16% Ca-21% P) | 17.9 | 1.5 | 1.4 | 3.0 |
| Salt - 96% | 17.5 | 1.5 | 1.3 | 3.0 |
| Phytase | 2.4 | 0.2 | 0.2 | 0.4 |
| L-Lysine HCL | 3.2 | 0.3 | 0.2 | 0.5 |
| L-Threonine | 0.0 | 0.0 | 0.0 | 0.0 |
| D L-Methionine | 0.0 | 0.0 | 0.0 | 0.0 |
| Oats - Groats | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> |
| Total Ration Used | 4,893.0 | 407.8 | 376.3 | 829.7 |
| Total | 9,906.8 | 825.6 | 762.0 | 1,679.8 |

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