

| Ontario | | | | | | | | | | | | | | 2012 Average | | |
|-----------------------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|-------------------|------------|--------------|------------|--------------|--------------|--------|--|
| 90 Kilogram of Quota | | | | | | | | | | | | | | | | |
| | Holstein | | Jersey | | Brown Swiss | | Ayrshire | | Milking Shorthorn | | Guernsey | | Canadienne | Rate | | |
| Revenue | | | | | | | | | | | | | | | | |
| Butterfat | \$ 279,242 | 51.2% | \$ 278,907 | 55.0% | \$ 278,216 | 51.0% | \$ 277,932 | 51.6% | \$ 279,019 | 47.7% | \$ 279,070 | 53.7% | \$ 277,810 | 51.4% | 10.158 | |
| Protein | \$ 191,109 | 35.1% | \$ 177,971 | 35.1% | \$ 192,554 | 35.3% | \$ 189,329 | 35.2% | \$ 229,533 | 39.2% | \$ 170,493 | 32.8% | \$ 191,334 | 35.4% | 8.357 | |
| Other Solids | \$ 15,057 | 2.8% | \$ 10,062 | 2.0% | \$ 12,789 | 2.3% | \$ 11,292 | 2.1% | \$ 9,529 | 1.6% | \$ 9,471 | 1.8% | \$ 9,440 | 1.7% | 1.708 | |
| Milk Revenue | \$ 485,408 | 89.1% | \$ 466,940 | 92.1% | \$ 483,559 | 88.7% | \$ 478,553 | 88.9% | \$ 518,081 | 88.5% | \$ 459,033 | 88.2% | \$ 478,585 | 88.5% | | |
| Animals sold | | | | | | | | | | | | | | 0.3658 | | |
| Cull cows | \$ 24,685 | 4.5% | \$ 14,186 | 2.8% | \$ 24,265 | 4.5% | \$ 24,501 | 4.6% | \$ 22,415 | 3.8% | \$ 27,531 | 5.3% | \$ 27,424 | 5.1% | 0.61 | |
| Bull Calves | \$ - | 0.0% | \$ - | 0.0% | \$ - | 0.0% | \$ - | 0.0% | \$ - | 0.0% | \$ - | 0.0% | \$ - | 0.0% | 0.61 | |
| Manure | | | | | | | | | | | | | | | | |
| Value of Manure | \$ 34,859 | 6.4% | \$ 26,126 | 5.2% | \$ 37,394 | 6.9% | \$ 35,370 | 6.6% | \$ 44,877 | 7.7% | \$ 33,600 | 6.5% | \$ 34,481 | 6.4% | | |
| Total revenue | \$ 544,952 | 100.0% | \$ 507,251 | 100% | \$ 545,219 | 100.0% | \$ 538,424 | 100.0% | \$ 585,373 | 100.0% | \$ 520,164 | 100.0% | \$ 540,489 | 100.0% | | |
| Expenses | | | | | | | | | | | | | | | | |
| Feed | | | | | | | | | | | | | | | | |
| Milking Cows | \$ 201,931 | 37.1% | \$ 170,238 | 33.6% | \$ 242,959 | 44.6% | \$ 202,288 | 37.6% | \$ 201,326 | 34.4% | \$ 191,468 | 36.8% | \$ 214,390 | 1.0% | | |
| Heifers | \$ 113,092 | 20.8% | \$ 104,211 | 20.5% | \$ 124,736 | 22.9% | \$ 138,706 | 25.8% | \$ 169,179 | 28.9% | \$ 124,525 | 23.9% | \$ 112,803 | 20.9% | | |
| Calves | \$ 8,187 | 1.5% | \$ 5,300 | 1.0% | \$ 8,733 | 1.6% | \$ 9,542 | 1.8% | \$ 11,597 | 2.0% | \$ 9,394 | 1.8% | \$ 9,960 | 1.8% | | |
| Milking Labour | \$ 21,479 | 3.9% | \$ 16,470 | 3.2% | \$ 19,216 | 3.5% | \$ 18,154 | 3.4% | \$ 17,374 | 3.0% | \$ 16,360 | 3.1% | \$ 16,587 | 3.1% | | |
| Milk Cheque Deductions | \$ 34,739 | 6.4% | \$ 27,021 | 5.3% | \$ 31,653 | 5.8% | \$ 32,620 | 6.1% | \$ 34,617 | 5.9% | \$ 28,963 | 5.6% | \$ 30,305 | 5.6% | | |
| Reproductive | \$ 8,746 | 1.6% | \$ 8,923 | 1.8% | \$ 8,743 | 1.6% | \$ 11,529 | 2.1% | \$ 11,218 | 1.9% | \$ 12,072 | 2.3% | \$ 10,765 | 2.0% | | |
| Veterinarian & pharmaceu | \$ 15,185 | 2.8% | \$ 13,602 | 2.7% | \$ - | 0.0% | \$ - | 0.0% | \$ - | 0.0% | \$ - | 0.0% | \$ - | 0.0% | | |
| Total Expenses | \$ 403,359 | 74.0% | \$ 345,765 | 68.2% | \$ 436,040 | 80.0% | \$ 412,839 | 76.7% | \$ 445,311 | 76.1% | \$ 382,781 | 73.6% | \$ 394,812 | 73.0% | | |
| Net operating Income | \$ 141,593 | 26.0% | \$ 161,487 | 31.8% | \$ 109,179 | 20.0% | \$ 125,585 | 23.3% | \$ 140,062 | 23.9% | \$ 137,383 | 26.4% | \$ 145,678 | 27.0% | | |
| Direct Investments | | | | | | | | | | | | | | | | |
| Barn | \$ 349,057 | 12.3% | \$ 305,793 | 11.1% | \$ 435,096 | 14.8% | \$ 375,122 | 13.1% | \$ 507,192 | 16.5% | \$ 421,073 | 14.4% | \$ 414,580 | 14.2% | | |
| Parlour | \$ 145,530 | 5.1% | \$ 123,200 | 4.5% | \$ 154,980 | 5.3% | \$ 145,530 | 5.1% | \$ 194,810 | 6.4% | \$ 165,640 | 5.7% | \$ 155,820 | 5.3% | | |
| Tank | \$ 30,000 | 1.1% | \$ 25,900 | 0.9% | \$ 30,000 | 1.0% | \$ 25,900 | 0.9% | \$ 25,900 | 0.8% | \$ 25,900 | 0.9% | \$ 25,900 | 0.9% | | |
| Quota | \$ 2,250,000 | 79.2% | \$ 2,250,000 | 81.6% | \$ 2,250,000 | 76.5% | \$ 2,250,000 | 78.6% | \$ 2,250,000 | 73.4% | \$ 2,250,000 | 76.8% | \$ 2,250,000 | 77.2% | | |
| Manure Storage | \$ 68,030 | 2.4% | \$ 51,833 | 1.9% | \$ 72,448 | 2.5% | \$ 67,854 | 2.4% | \$ 89,087 | 2.9% | \$ 65,439 | 2.2% | \$ 68,678 | 2.4% | | |
| Total Fixed Investment | \$ 2,842,617 | | \$ 2,756,725 | | \$ 2,942,524 | | \$ 2,864,406 | | \$ 3,066,990 | | \$ 2,928,051 | | \$ 2,914,979 | | | |
| Investment per cow | \$ 37,902 | | \$ 36,756 | | \$ 39,234 | | \$ 38,192 | | \$ 40,893 | | \$ 39,041 | | \$ 38,866 | | | |
| Revenue per cow | \$ 7,266 | | \$ 6,763 | | \$ 7,270 | | \$ 7,179 | | \$ 7,805 | | \$ 6,936 | | \$ 7,207 | | | |
| Return on Investment | 4.98% | | 5.86% | | 3.71% | | 4.38% | | 4.57% | | 4.69% | | 5.00% | | | |
| Rev per cow/Inv per cow | 19.2% | | 18.4% | | 18.5% | | 18.8% | | 19.1% | | 17.8% | | 18.5% | | | |
| Interest | 6% | \$ 170,557 | 31.3% | \$ 165,404 | 32.6% | \$ 176,551 | 32.4% | \$ 171,864 | 31.9% | \$ 184,019 | 31.4% | \$ 175,683 | 33.8% | \$ 174,899 | 32.4% | |
| Earning after Interest | \$ (28,964) | -5.3% | \$ (3,917) | -0.8% | \$ (67,372) | -12.4% | \$ (46,279) | -8.6% | \$ (43,957) | -7.5% | \$ (38,300) | -7.4% | \$ (29,221) | -5.4% | | |
| Earnings per cow | \$ (386) | | \$ (52) | | \$ (898) | | \$ (617) | | \$ (586) | | \$ (511) | | \$ (390) | | | |

MODEL FACTORS

| DFO | 12 Mo. Rolling Avg. |
|-------------------|---------------------|
| Component Pricing | |
| Other solids | 1.71 |
| Butterfat | 10.16 |
| Protein | 8.36 |

| DFO | |
|----------------------------|--------------|
| Milk cheque deductions /hl | |
| Transportation | 2.62 |
| Administration | 0.615 |
| COM Administration | 0.02 |
| Research | 0.05 |
| Promotion | 1.4 |
| Ont.DHI Levy | 0.06 |
| Total | 4.765 |

| DHI 2013 | | Day Production | | | | | | | | | | | |
|-----------|------|----------------|------|-------------|------|----------|------|-------------------|------|----------|------|-------------|------|
| | 305 | | | | | | | | | | | | |
| Milk | 9468 | Jersey | 6444 | Brown Swiss | 8101 | Ayrshire | 7131 | Milking Shorthorn | 6004 | Guernsey | 6018 | Canadienne* | 6000 |
| Butterfat | 357 | | 312 | | 334 | | 285 | | 227 | | 272 | | 258 |
| Protein | 297 | | 242 | | 281 | | 236 | | 199 | | 202 | | 216 |

0.043
0.036

| Cow (weight) | Average Livestock prices | | | | | | |
|--------------|--------------------------|--------|-------------|----------|-------------------|----------|------------|
| | Holstein | Jersey | Brown Swiss | Ayrshire | Milking Shorthorn | Guernsey | Canadienne |
| 0-12mths | 1500 | 1000 | 1500 | 1200 | 1250 | 1100 | 1100 |
| 12-24mths | | | | | | | |
| fresh heifer | | | | | | | |
| \$/bull calf | | | | | | | |
| \$/cull lb | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 |
| cull lbs | | | | | | | |

purchase sale

| | |
|-------------|-----|
| YEAR-Days | 365 |
| Year-months | 12 |

| CDN-2013 | Holstein | Jersey | Brown Swiss | Ayrshire | Milking Shorthorn | Guernsey | Canadienne |
|--|----------|--------|-------------|----------|-------------------|----------|------------|
| Calving Interval (Days) | 411 | 403 | 411 | 409 | 390 | 413 | 392 |
| Cull Rate % | 26.00% | 20.00% | 24.00% | 26.00% | 19.00% | 30.00% | 30.00% |
| Herd Turnover | 30.82% | 24.19% | 28.47% | 30.99% | 23.75% | 35.41% | 37.31% |
| Age at First Calf past 24 months (in days) | 57 | 27 | 90 | 108 | 75 | 66 | 52 |
| 56 NRR cows | 59.00% | 68.00% | 65.00% | 57.00% | 72.00% | 57.00% | 68.00% |
| 56 NRR heifer | 76.00% | 75.00% | 74.00% | 67.00% | 82.00% | 70.00% | 70.00% |

| Calculation of livestock quantities operating year (100% capacity) | | | | | | | |
|---|----------|--------|-------------|----------|-------------------|----------|------------|
| | Holstein | Jersey | Brown Swiss | Ayrshire | Milking Shorthorn | Guernsey | Canadienne |
| Milking Cows | 77 | 88 | 82 | 96 | 121 | 101 | 106 |
| Herd Size | 103.76 | 116.28 | 110.50 | 128.73 | 154.72 | 136.76 | 136.24 |
| Dry Cows | 26.76 | 28.28 | 28.50 | 32.73 | 33.72 | 35.76 | 30.24 |
| Formula for total herd size=(milking herd size*calving interval)/305 days | | | | | | | |
| Heifers | | | | | | | |
| 0-12 Months | 46.00 | 52.63 | 49.07 | 57.44 | 72.40 | 60.43 | 63.43 |
| 13-24 Months | 46.00 | 52.63 | 49.07 | 57.44 | 72.40 | 60.43 | 63.43 |
| Heifers over 24 months | 7.18 | 3.89 | 12.10 | 17.00 | 14.88 | 10.93 | 9.04 |
| Bull Calves Sold | 46.00 | 52.63 | 49.07 | 57.44 | 72.40 | 60.43 | 63.43 |

| | Holstein | Jersey | Brown Swiss | Ayrshire | Milking Shorthorn | Guernsey | Canadienne |
|--|-------------|-------------|-------------|-------------|-------------------|-------------|-------------|
| Still Births % | 5% | 1.40% | | | | | |
| Heifer Calf | 0.076 | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Bull Calf | 0.076 | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Cull for Dairy Purposes | 31.97948852 | 28.12630033 | 31.4557377 | 39.89508197 | 36.74631148 | 48.43032787 | 50.82786885 |
| Cull for dairy purposes formula=milking cows*herd turnover rate*cull rate(for dairy) | | | | | | | |

| | Age | Heifer Housing | | | | |
|-------------------|--------------|------------------|------------------|-------------|----------------------|---------------|
| | | Sq. Ft. Per Calf | Cost Per Sq. Ft. | # of Calves | tal Sq. Ft. Required | Total Cost |
| Holstein | 0-12 Months | 20 | 76 | 46.00 | 919.96 | \$ 69,917.01 |
| | 13-24 Months | 40 | 76 | 46.00 | 1839.92 | \$ 139,834.02 |
| | 24+ | 54 | 76 | 7.18 | 387.90 | \$ 29,480.08 |
| Jersey | 0-12 Months | 20 | 76 | 52.63 | 1052.63 | \$ 79,999.88 |
| | 13-24 Months | 32 | 76 | 52.63 | 1684.21 | \$ 127,999.81 |
| | 24+ | 40 | 76 | 3.89 | 155.73 | \$ 11,835.60 |
| Brown Swiss | 0-12 Months | 32 | 76 | 49.07 | 1570.10 | \$ 119,327.48 |
| | 13-24 Months | 40 | 76 | 49.07 | 1962.62 | \$ 149,159.34 |
| | 24+ | 54 | 76 | 12.10 | 653.31 | \$ 49,651.67 |
| Ayrshire | 0-12 Months | 20 | 76 | 57.44 | 1148.85 | \$ 87,312.79 |
| | 13-24 Months | 40 | 76 | 57.44 | 2297.70 | \$ 174,625.57 |
| | 24+ | 43 | 76 | 17.00 | 730.86 | \$ 55,545.29 |
| Milking Shorthorn | 0-12 Months | 20 | 76 | 72.40 | 1448.03 | \$ 110,050.49 |
| | 13-24 Months | 40 | 76 | 72.40 | 2896.07 | \$ 220,100.98 |
| | 24+ | 46 | 76 | 14.88 | 684.34 | \$ 52,010.16 |
| Guernsey | 0-12 Months | 20 | 76 | 60.43 | 1208.69 | \$ 91,860.33 |
| | 13-24 Months | 40 | 76 | 60.43 | 2417.38 | \$ 183,720.66 |
| | 24+ | 41 | 76 | 10.93 | 448.04 | \$ 34,051.24 |
| Canadienne* | 0-12 Months | 20 | 76 | 63.43 | 1268.52 | \$ 96,407.87 |
| | 13-24 Months | 40 | 76 | 63.43 | 2537.05 | \$ 192,815.74 |
| | 24+ | 42 | 76 | 9.04 | 379.51 | \$ 28,843.12 |

797.5 522.5 797.5 631.5 657.89 578

| | Dry Cows | | | | |
|-------------------|-----------------|------------------|-----------|----------------------|---------------|
| | Sq. Ft. Per Cow | Cost Per Sq. Ft. | # of Cows | tal Sq. Ft. Required | Total Cost |
| Holstein | 54 | 76 | 26.76 | 1445.08 | \$ 109,825.73 |
| Jersey | 40 | 76 | 28.28 | 1131.02 | \$ 85,957.25 |
| Brown Swiss | 54 | 76 | 28.50 | 1538.91 | \$ 116,957.27 |
| Ayrshire | 43 | 76 | 33.72 | 1450.02 | \$ 110,201.25 |
| Milking Shorthorn | 46 | 76 | 35.76 | 1645.14 | \$ 125,030.71 |
| Guernsey | 41 | 76 | 35.76 | 1466.32 | \$ 111,440.42 |
| Canadienne* | 42 | 76 | 30.24 | 1269.91 | \$ 96,513.52 |

| Manure | Animal Type | Daily Production | Analysis Units | N | P2O5 | K2O | Weights | | | | | | |
|--------|------------------------------|------------------|----------------|-----|------|------|----------|--------|-------------|----------|-------------------|----------|------------|
| | | | | | | | Holstein | Jersey | Brown Swiss | Ayrshire | Milking Shorthorn | Guernsey | Canadienne |
| | Lactating (Liquid) (Gallons) | 13 lb/1000 gal | | 28 | 13 | 25 | 1500 | 1000 | 1500 | 1200 | 1250 | 1100 | 1100 |
| | Lactating (Solid)(Lbs) | 106 lb/ton | | 10 | 4 | 8 | 1500 | 1000 | 1500 | 1200 | 1250 | 1100 | 1100 |
| | Dry (lbs) | 82 lb/ton | | 9 | 3 | 7 | 1500 | 1000 | 1500 | 1200 | 1250 | 1100 | 1100 |
| | Calf & Heifers (lbs) | 87 lb/ton | | 7 | 2 | 7 | 797.5 | 522.5 | 797.5 | 631.5 | 657.89 | 578 | 578 |
| | Component Value/Lbs | | | 0.3 | 0.4 | 0.25 | | | | | | | |

| Output | Holstein | | | | Jersey | | | | Brown Swiss | | | | Ayrshire | | | | Milking Shorthorn | | | | Guernsey | | | | Canadienne | | | |
|---|-------------------|--------------------|--------------|--------------|-------------------|--------------------|--------------|--------------|-------------------|--------------------|--------------|--------------|-------------------|--------------------|--------------|-----------|-------------------|--------------------|------------|--------------|-------------------|--------------------|--------------|--------|------------|--|--|--|
| | Lactating (Solid) | Lactating (Liquid) | Dry Animal | Heifer | Lactating (Solid) | Lactating (Liquid) | Dry Animal | Heifer | Lactating (Solid) | Lactating (Liquid) | Dry Animal | Heifer | Lactating (Solid) | Lactating (Liquid) | Dry Animal | Heifer | Lactating (Solid) | Lactating (Liquid) | Dry Animal | Heifer | Lactating (Solid) | Lactating (Liquid) | Dry Animal | Heifer | | | | |
| Holstein | 159.00 | 19.50 | 123.00 | 69.38 | 106.00 | 13.00 | 82.00 | 45.46 | 159 | 19.5 | 123 | 69.3825 | 127.2 | 15.6 | 98.4 | 1221.20 | 149.760 | 3221.07 | 7648.00 | 2,791,519.58 | 4,457,088.00 | 546,624.00 | 1,175,689.65 | | | | | |
| Output/Day/Animal | 77.00 | 77.00 | 26.76 | 99.18 | 88.00 | 88.00 | 28.28 | 109.16 | 82 | 82 | 28.50 | 110.2025 | 96 | 96 | 32.73 | 12,211.20 | 1,497.60 | 3,221.07 | 7,648.00 | 2,791,519.58 | 4,457,088.00 | 546,624.00 | 1,175,689.65 | | | | | |
| Total Number of Animals | 12,243.00 | 1,501.50 | 3,291.56 | 6,881.31 | 9,328.00 | 1,144.00 | 2,318.58 | 4,961.97 | 13,038.00 | 1,599.00 | 3,505.30 | 7,648.00 | 12,211.20 | 1,497.60 | 3,221.07 | 12,211.20 | 1,497.60 | 3,221.07 | 7,648.00 | 2,791,519.58 | 4,457,088.00 | 546,624.00 | 1,175,689.65 | | | | | |
| Total Manure Output/Year | 4,468,695.00 | 548,047.50 | 1,201,419.64 | 2,511,677.85 | 3,404,720.00 | 417,560.00 | 846,283.02 | 1,811,119.84 | 4,758,870.00 | 583,635.00 | 1,279,433.90 | 2,791,519.58 | 4,457,088.00 | 546,624.00 | 1,175,689.65 | 12,211.20 | 1,497.60 | 3,221.07 | 7,648.00 | 2,791,519.58 | 4,457,088.00 | 546,624.00 | 1,175,689.65 | | | | | |
| Total Herd Manure Output per year (Gallons) | | | | 548,047.50 | | | 417,560.00 | 1,811,119.84 | | | | 2,791,519.58 | | | | | | | | | | | | | | | | |
| Total Herd Manure Output per year (Lbs) | | | | 8,181,792.49 | | | 6,062,122.86 | 8,181,792.49 | | | | 8,829,823.48 | | | | | | | | | | | | | | | | |
| Gallons into Cu. Ft. | | | | 0.13 | | | 0.13 | 0.13 | | | | 0.13 | | | | | | | | | | | | | | | | |

Required Liquid Storage

| | Holstein | Jersey | Brown Swiss | Ayrshire | Milking Shorthorn | Guernsey | Canadienne |
|------------------------------|--------------|--------------|--------------|--------------|-------------------|--------------|--------------|
| Capacity Cubic Feet Required | 73263.53785 | 55819.83836 | 78020.91044 | 73073.24294 | 95940.34718 | 70472.54593 | 73961.2858 |
| Radius of tank | 40.81360802 | 35.62503774 | 42.11788483 | 40.76056887 | 46.7048185 | 40.02865766 | 41.007498 |
| Depth | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 |
| Surface Area Required | 5233.11 | 3987.13 | 5572.92 | 5219.52 | 6852.88 | 5033.75 | 5282.95 |
| Cost of Tank @ \$13/sq ft. | \$ 68,030.43 | \$ 51,832.71 | \$ 72,447.99 | \$ 67,853.73 | \$ 89,087.47 | \$ 65,438.79 | \$ 68,678.34 |
| Pie | 3.141592654 | 3.141592654 | 3.141592654 | 3.141592654 | 3.141592654 | 3.141592654 | 3.141592654 |

| Value of Manure: | Holstein | | | Jersey | | | Brown Swiss | | | Ayrshire | | | Milking Shorthorn | | |
|-------------------------|--------------|-------------------|-----------------|--------------|-------------------|-----------------|--------------|-------------------|-----------------|--------------|-------------------|-----------------|-------------------|-------------------|-----------------|
| | Nitrogen (N) | Phosphorus (P2O5) | Potassium (K2O) | Nitrogen (N) | Phosphorus (P2O5) | Potassium (K2O) | Nitrogen (N) | Phosphorus (P2O5) | Potassium (K2O) | Nitrogen (N) | Phosphorus (P2O5) | Potassium (K2O) | Nitrogen (N) | Phosphorus (P2O5) | Potassium (K2O) |
| Lactating: Liquid | 15,345.33 | 7,124.62 | 13,701.19 | 11,691.68 | 5,428.28 | 10,439.00 | 16,341.78 | 7,587.26 | 14,590.88 | 15,305.47 | 7,106.11 | 13,665.60 | 20,095.08 | 9,329.86 | 17,942.03 |
| Lactating: Solid | 22,343.48 | 8,937.39 | 17,874.78 | 17,023.60 | 6,809.44 | 13,618.88 | 23,794.35 | 9,517.74 | 19,035.48 | 22,285.44 | 8,914.18 | 17,828.35 | 29,259.31 | 11,703.73 | 23,407.45 |
| Dry | 5,406.39 | 1,802.13 | 4,204.97 | 3,808.27 | 1,269.42 | 2,961.99 | 5,757.45 | 1,919.15 | 4,478.02 | 5,290.60 | 1,763.53 | 4,114.91 | 5,677.19 | 1,892.40 | 4,415.59 |
| Calf & Heifer | 8,790.87 | 2,511.68 | 8,790.87 | 6,338.92 | 1,811.12 | 6,338.92 | 9,770.32 | 2,791.52 | 9,770.32 | 9,770.32 | 2,791.52 | 9,770.32 | 11,675.75 | 3,335.93 | 11,675.75 |
| Total | 51,886.07 | 20,375.81 | 44,571.81 | 38,862.47 | 15,318.26 | 33,358.79 | 55,663.90 | 21,815.67 | 47,874.69 | 52,651.83 | 20,575.34 | 45,379.18 | 66,707.33 | 26,261.91 | 57,440.83 |
| Component Value | 15,565.82 | 8,150.33 | 11,142.95 | 11,658.74 | 6,127.31 | 8,339.70 | 16,699.17 | 8,726.27 | 11,968.67 | 15,795.55 | 8,230.14 | 11,344.80 | 20,012.20 | 10,504.76 | 14,360.21 |
| Total Manure Value/Year | | | \$ 34,859.10 | | | \$ 26,125.75 | | \$ 37,394.11 | | \$ 35,370.48 | | \$ 44,877.17 | | | |

Bulk Milk Tank

2 days storage + 25% safety

| 2w Daily Production | # Milking Cows | Tank Size | Tank Cost |
|---------------------|----------------|-----------|--------------|
| 31.04 | 77 | 5378 | \$ 30,000.00 |
| 21.13 | 88 | 4183 | \$ 25,900.00 |
| 26.56 | 82 | 4900 | \$ 30,000.00 |
| 23.38 | 96 | 5050 | \$ 25,900.00 |
| 19.69 | 121 | 5359 | \$ 25,900.00 |
| 19.73 | 101 | 4484 | \$ 25,900.00 |
| 19.67 | 106 | 4692 | \$ 25,900.00 |

| Heifer | Milking Shorthorn | | | | Heifer | Guernsey | | | | Heifer | Canadienne | | | |
|--------------|-------------------|--------------------|--------------|---------------|--------------|-------------------|--------------------|--------------|--------------|------------|-------------------|--------------------|------------|--|
| | Lactating (Solid) | Lactating (Liquid) | Dry Animal | | | Lactating (Solid) | Lactating (Liquid) | Dry Animal | | | Lactating (Solid) | Lactating (Liquid) | Dry Animal | |
| 57,23643 | 132.5 | 16.25 | 102.5 | 57,23643 | 116.6 | 14.3 | 90.2 | 50,286 | 116.6 | 14.3 | 90.2 | 50,286 | | |
| 131.88 | 121 | 121 | 33.72 | 159.68 | 101 | 101 | 35.76 | 131.80 | 106 | 106 | 30.24 | 135.89 | | |
| 7,548.45 | 16,032.50 | 1,966.25 | 3,456.43 | 9,139.53 | 11,776.60 | 1,444.30 | 3,225.91 | 6,627.53 | 12,359.60 | 1,515.80 | 2,727.29 | 6,833.29 | | |
| 2,755,185.34 | 5,851,862.50 | 717,681.25 | 1,261,598.57 | 3,335,929.15 | 4,298,459.00 | 527,169.50 | 1,177,456.01 | 2,419,048.42 | 4,511,254.00 | 553,267.00 | 995,461.99 | 2,494,150.98 | | |
| 546,624.00 | | | | 717,681.25 | | | | 527,169.50 | | | | 553,267.00 | | |
| 8,387,962.99 | | | | 10,449,390.21 | | | | 3,608,281.04 | | | | 3,501,972.56 | | |
| 0.13 | | | | 0.13 | | | | 0.13 | | | | 0.13 | | |

| Guernsey | | | Canadienne | | |
|--------------|-------------------|------------------|--------------|-------------------|------------------|
| Nitrogen (N) | Phosphorus (P2O5) | Potassium (K2O) | Nitrogen (N) | Phosphorus (P2O5) | Potassium (K2O) |
| 14,760.75 | 6,853.20 | 13,179.24 | 15,491.48 | 7,192.47 | 13,831.68 |
| 21,492.30 | 8,596.92 | 17,193.84 | 22,556.27 | 9,022.51 | 18,045.02 |
| 5,298.55 | 1,766.18 | 4,121.10 | 4,479.58 | 1,493.19 | 3,484.12 |
| 8,466.67 | 2,419.05 | 8,466.67 | 8,729.53 | 2,494.15 | 8,729.53 |
| 50,018.26 | 19,635.35 | 42,960.84 | 51,256.85 | 20,202.32 | 44,090.34 |
| 15,005.48 | 7,854.14 | 10,740.21 | 15,377.06 | 8,080.93 | 11,022.58 |
| | \$ | 33,599.83 | | \$ | 34,480.57 |

Guernsey

| Lactating | | | Early Lactator | | | Mid Lactation | | | Dry | | |
|---------------|-------------|-------------|----------------|------------|------------|---------------|-----------|-----------|-----------|-----------|---------------------|
| 35kg, 3.5%, 3 | 30kg, 4% 3% | 35kg, 4% 3% | 240 | 270 | 279 | 215 | 11 | 79 | 21 | 30 | 9 |
| 16.7854335 | 9.86364955 | 16.4622387 | 9.70552212 | 9.25099354 | 6.86471847 | 7.58 | 3.26 | 5.43 | 0.00 | 2.89 | 2.69 |
| kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM |
| 1.73 | 1.18 | 1.98 | 0.00 | 0.00 | 0.18 | 2.83 | 1.48 | 2.47 | 0.00 | 0.00 | 0.00 |
| 2.72 | 3.35 | 5.60 | 0.00 | 0.00 | 0.21 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.13 | 0.13 | 0.13 |
| 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.20 | 0.33 | 0.31 | 0.27 | 0.21 |
| 0.00 | 0.25 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.25 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 5.41 | 4.91 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 3.85 | 1.04 | 0.00 | \$4.23 | \$2.78 | \$4.63 | \$1.52 | \$1.63 | \$1.35 |
| \$910.34 | \$30.53 | \$365.95 | \$32.02 | \$48.97 | \$12.17 | \$1,399.99 | | | | | |
| | | | | | | 136.76 | | | | | \$191,468.05 |

Brown Swiss

| Lactating | | | Early Lactator | | | Mid Lactation | | | Dry | | |
|---------------|-------------|-------------|----------------|------------|------------|---------------|-----------|-----------|-----------|-----------|---------------------|
| 35kg, 3.5%, 3 | 30kg, 4% 3% | 35kg, 4% 3% | 240 | 270 | 279 | 215 | 11 | 79 | 21 | 30 | 9 |
| 26.3624014 | 15.4913776 | 25.854807 | 15.2430302 | 14.5291693 | 10.7813995 | 11.91 | 5.11 | 8.53 | 0.00 | 4.54 | 4.23 |
| kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM |
| 2.72 | 1.86 | 3.10 | 0.00 | 0.00 | 0.28 | 4.44 | 2.32 | 3.88 | 0.00 | 0.00 | 0.00 |
| 4.27 | 5.27 | 8.79 | 0.00 | 0.00 | 0.33 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.21 | 0.21 | 0.21 |
| 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.31 | 0.52 | 0.48 | 0.43 | 0.33 |
| 0.00 | 0.39 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.39 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 8.50 | 7.72 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 6.05 | 1.64 | 0.00 | \$6.65 | \$4.36 | \$7.28 | \$2.40 | \$2.56 | \$2.12 |
| \$1,429.74 | \$47.95 | \$574.75 | \$50.30 | \$76.91 | \$19.11 | \$2,198.76 | | | | | |
| | | | | | | 110.50 | | | | | \$242,958.99 |

Milking Shorthorn

| Lactating | | | Early Lactator | | | Mid Lactation | | | Dry | | |
|---------------|-------------|-------------|----------------|------------|------------|---------------|-----------|-----------|-----------|-----------|---------------------|
| 35kg, 3.5%, 3 | 30kg, 4% 3% | 35kg, 4% 3% | 240 | 270 | 279 | 215 | 11 | 79 | 21 | 30 | 9 |
| 15.6011824 | 9.16774627 | 15.3007897 | 9.0207751 | 8.59831456 | 6.38039672 | 7.05 | 3.03 | 5.05 | 0.00 | 2.68 | 2.50 |
| kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM |
| 1.61 | 1.10 | 1.84 | 0.00 | 0.00 | 0.17 | 2.63 | 1.38 | 2.30 | 0.00 | 0.00 | 0.00 |
| 2.53 | 3.12 | 5.20 | 0.00 | 0.00 | 0.19 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.12 | 0.12 | 0.12 |
| 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.18 | 0.31 | 0.29 | 0.25 | 0.19 |
| 0.00 | 0.23 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.23 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 5.03 | 4.57 | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 3.58 | 0.97 | 0.00 | \$3.94 | \$2.58 | \$4.31 | \$1.42 | \$1.52 | \$1.26 |
| \$846.11 | \$28.38 | \$340.13 | \$29.77 | \$45.52 | \$11.31 | \$1,301.22 | | | | | |
| | | | | | | 154.72 | | | | | \$201,325.98 |

Canadienne

| Lactating | | | Early Lactator | | | Mid Lactation | | | Dry | | |
|---------------|-------------|-------------|----------------|------------|------------|---------------|-----------|-----------|-----------|-----------|---------------------|
| 35kg, 3.5%, 3 | 30kg, 4% 3% | 35kg, 4% 3% | 240 | 270 | 279 | 215 | 11 | 79 | 21 | 30 | 9 |
| 18.6996524 | 11.3778842 | 18.8426424 | 11.1247639 | 10.6037694 | 7.86854856 | 8.03 | 3.75 | 6.22 | 0.00 | 3.31 | 3.09 |
| kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM | kg/day DM |
| 1.78 | 1.37 | 2.26 | 0.00 | 0.00 | 0.21 | 3.31 | 1.71 | 2.83 | 0.00 | 0.00 | 0.00 |
| 3.17 | 3.87 | 6.41 | 0.00 | 0.00 | 0.24 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 |
| 1.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 0.23 | 0.38 | 0.35 | 0.31 | 0.24 |
| 0.00 | 0.28 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.28 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 6.21 | 5.63 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 | 4.41 | 1.20 | 0.00 | \$4.71 | \$3.20 | \$5.30 | \$1.75 | \$1.87 | \$1.55 |
| \$1,012.79 | \$35.22 | \$418.87 | \$36.71 | \$56.13 | \$13.95 | \$1,573.67 | | | | | |
| | | | | | | 136.24 | | | | | \$214,390.23 |

Guernsey

| Non-Bred | | | Bred | | |
|----------|----------|----------|----------|----------|---------------------|
| 100 | 200 | 300 | 350 | 400 | 450 |
| 175 | 175 | 175 | 90 | 90 | 90 |
| 0.65 | 1.10 | 1.45 | 1.19 | 1.44 | 1.58 |
| 0.20 | 0.34 | 0.45 | 0.00 | 0.00 | 0.00 |
| 0.90 | 1.51 | 2.00 | 0.00 | 0.00 | 0.00 |
| 0.20 | 0.34 | 0.45 | 4.35 | 5.25 | 5.91 |
| 1.14 | 1.91 | 2.52 | 3.16 | 3.81 | 4.28 |
| 3.1 | 5.2 | 6.87 | 8.7 | 10.5 | 11.81 |
| \$0.69 | \$1.16 | \$1.53 | \$1.66 | \$2.00 | \$2.25 |
| \$121.00 | \$202.97 | \$268.15 | \$149.38 | \$180.29 | \$202.11 |
| | | | | | \$1,123.90 |
| | | | | | 110.80 |
| | | | | | \$124,524.64 |

Brown Swiss

| Non-Bred | | | Bred | | |
|----------|----------|----------|----------|----------|---------------------|
| 150 | 250 | 350 | 450 | 550 | 650 |
| 183 | 183 | 183 | 90 | 90 | 90 |
| 0.79 | 1.45 | 1.69 | 1.44 | 1.67 | 1.89 |
| 0.25 | 0.45 | 0.52 | 0.00 | 0.00 | 0.00 |
| 1.09 | 2.00 | 2.33 | 0.00 | 0.00 | 0.00 |
| 0.25 | 0.45 | 0.52 | 5.25 | 6.11 | 6.91 |
| 1.38 | 2.52 | 2.93 | 3.81 | 4.42 | 5.00 |
| 3.75 | 6.87 | 8.00 | 10.50 | 12.20 | 13.80 |
| \$0.83 | \$1.53 | \$1.78 | \$2.00 | \$2.33 | \$2.63 |
| \$153.05 | \$280.39 | \$326.50 | \$180.29 | \$209.48 | \$236.95 |
| | | | | | \$1,386.67 |
| | | | | | 89.95 |
| | | | | | \$124,735.58 |

Milking Shorthorn

| Non-Bred | | | Bred | | |
|----------|----------|----------|----------|----------|---------------------|
| 100 | 200 | 250 | 350 | 450 | 550 |
| 134 | 134 | 134 | 134 | 135 | 135 |
| 0.65 | 1.10 | 1.45 | 1.69 | 1.44 | 1.67 |
| 0.20 | 0.34 | 0.45 | 0.52 | 0.00 | 0.00 |
| 0.90 | 1.51 | 2.00 | 2.33 | 0.00 | 0.00 |
| 0.20 | 0.34 | 0.45 | 0.52 | 5.25 | 6.11 |
| 1.14 | 1.91 | 2.52 | 2.93 | 3.81 | 4.42 |
| 3.1 | 5.2 | 6.87 | 8.00 | 10.50 | 12.20 |
| \$0.69 | \$1.16 | \$1.53 | \$1.78 | \$2.00 | \$2.33 |
| \$92.30 | \$154.83 | \$204.55 | \$238.20 | \$270.44 | \$314.22 |
| | | | | | \$1,274.55 |
| | | | | | 132.74 |
| | | | | | \$169,178.53 |

Canadienne

| Non-Bred | | | Bred | | |
|----------|----------|----------|----------|----------|---------------------|
| 150kg | 250kg | 350kg | 450kg | 550kg | 650kg |
| 140 | 140 | 140 | 90 | 90 | 90 |
| 0.79 | 1.45 | 1.69 | 1.44 | 1.67 | 1.89 |
| 0.25 | 0.45 | 0.52 | 0.00 | 0.00 | 0.00 |
| 1.09 | 2.00 | 2.33 | 0.00 | 0.00 | 0.00 |
| 0.25 | 0.45 | 0.52 | 5.25 | 6.11 | 6.91 |
| 1.38 | 2.52 | 2.93 | 3.81 | 4.42 | 5.00 |
| 3.75 | 6.87 | 8.00 | 10.50 | 12.20 | 13.80 |
| \$0.83 | \$1.53 | \$1.78 | \$2.00 | \$2.33 | \$2.63 |
| \$116.87 | \$214.11 | \$249.33 | \$180.29 | \$209.48 | \$236.95 |
| | | | | | \$970.09 |
| | | | | | 116.28 |
| | | | | | \$112,803.46 |

| | Average Annual Vet Cost Per Animal | | | | | | |
|--|------------------------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|
| | Holstein | Jersey | Brown Swiss | Ayrshire | Milking Shorthorn | Guernsey | Canadienne |
| Annual Cost per Animal:(OFID) | \$ 146.35 | \$ 116.98 | | | | | |
| Total Cost Per Herd | \$ 15,185.37 | \$ 13,601.90 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Breeding Costs: | | | | | | | |
| # of Breedings Required/Cow Pregnanc | 1.69 | 1.47 | 1.54 | 1.75 | 1.39 | 1.75 | 1.47 |
| # of Breedings Required/Heifer Pregnar | 1.32 | 1.33 | 1.35 | 1.49 | 1.22 | 1.43 | 1.43 |
| Number of Breeding Services Required | 236.39 | 241.17 | 236.30 | 311.59 | 303.19 | 326.27 | 290.96 |
| Cost/Breeding | \$37 | \$37 | \$37 | \$37 | \$37 | \$37 | \$37 |
| Total Annual Breeding Costs | \$8,746.40 | \$8,923.24 | \$8,743.19 | \$11,528.65 | \$11,217.86 | \$12,072.05 | \$10,765.37 |

| Labour Costs: | Holstein | Jersey | Brown Swiss | Ayrshire | Milking Shorthorn | Gernsuey | Canadienne |
|------------------------------------|---------------------|---------------------|---------------------|---------------------|--------------------------|---------------------|---------------------|
| Milk Produced (kg)/Milking | 1164.10 | 792.30 | 996.02 | 876.76 | 738.20 | 739.92 | 737.70 |
| Hours Required/Milking: | | | | | | | |
| Time Milking (Minutes) | 503.94 | 342.98 | 431.18 | 379.55 | 319.57 | 320.31 | 319.35 |
| Time Prepping (Minutes) | 115.50 | 132.00 | 123.00 | 144.00 | 181.50 | 151.50 | 159.00 |
| Total Time Required (minutes) | 619.44 | 474.98 | 554.18 | 523.55 | 501.07 | 471.81 | 478.35 |
| Time Required (Hours) | 10.32 | 7.92 | 9.24 | 8.73 | 8.35 | 7.86 | 7.97 |
| Using 6 Machines: | 1.72 | 1.32 | 1.54 | 1.45 | 1.39 | 1.31 | 1.33 |
| Milkings/Year | 730.00 | 730.00 | 730.00 | 730.00 | 730.00 | 730.00 | 730.00 |
| Hours/Year Milking | 1256.08 | 963.16 | 1123.75 | 1061.64 | 1016.05 | 956.73 | 969.99 |
| Rate for Labour | 17.10 | 17.10 | 17.10 | 17.10 | 17.10 | 17.10 | 17.10 |
| Cost of Milking Labour/Year | \$ 21,479.04 | \$ 16,470.10 | \$ 19,216.17 | \$ 18,154.12 | \$ 17,374.45 | \$ 16,360.04 | \$ 16,586.88 |

Assumptions:

- Milk at a rate of 2.31 Kg/Minute
- Prep time required 1.5 minute/Cow
- Milk twice a day
- Labour Pd \$15/hour + Employment Costs

| Required Quota Holdings: | Holstein | Jersey | Brown Swiss | Ayrshire | Milknng Shorthorn | Gernsuey | Canadienne |
|---------------------------------|---------------------|---------------------|---------------------|---------------------|--------------------------|---------------------|---------------------|
| Butter fat/Animal (kg) Annually | 357 | 312 | 334 | 285 | 227 | 272 | 258 |
| Average DIM | 305 | 305 | 305 | 305 | 305 | 305 | 305 |
| Daily Butter Fat/Animal (Kg) | 1.17 | 1.02 | 1.10 | 0.93 | 0.74 | 0.89 | 0.85 |
| Cost Per Kg of Quota | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 |
| Investment Required/Animal | \$ 29,262 | \$ 25,574 | \$ 27,377 | \$ 23,361 | \$ 18,607 | \$ 22,295 | \$ 21,148 |
| Total Herd Investment in Quota | \$ 2,250,000 | \$ 2,250,000 | \$ 2,250,000 | \$ 2,250,000 | \$ 2,250,000 | \$ 2,250,000 | \$ 2,250,000 |
| KG of Quota | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| Number of Milking Herd | 77 | 88 | 82 | 96 | 121 | 101 | 106 |

Ontario - Multiple Breed Analysis version III quota holdings barn 76.xlsx

| Breed | Daughter survival from first calving to first lactation | | | | | Heifer Fertility | | | | Cow Fertility | | | |
|---------------|---|---------|---------------|---------------|---------------|----------------------|------------|-------------------|----------------------|---------------|-----------------------|-----------|-----------|
| | 120 DIM | 240 DIM | 2nd Lactation | 3rd Lactation | 4th Lactation | Age at first Service | 56 day NRR | service to concep | Age to first Service | 56 day NRR | t service to concepti | Days Open | Very slow |
| Holstein | 96.00% | 91.00% | 70.00% | 50.00% | 31.00% | 498 | 76.00% | 17 | 90 | 59% | 34 | 124 | 2.00% |
| Jersey | 97.00% | 91.00% | 77.00% | 61.00% | 42.00% | 476 | 75.00% | 17 | 93 | 68% | 24 | 116 | 1.00% |
| Guernsey | 96.00% | 87.00% | 66.00% | 43.00% | 28.00% | 506 | 70.00% | 22 | 95 | 57% | 27 | 121 | 2.00% |
| Ayrshire | 96.00% | 88.00% | 72.00% | 52.00% | 34.00% | 514 | 67.00% | 21 | 88 | 57% | 30 | 118 | 1.00% |
| Milking Short | 97.00% | 91.00% | 81.00% | 62.00% | 46.00% | 532 | 82.00% | 9 | 93 | 72% | 19 | 111 | 1.00% |
| Canadienne | 97.00% | 84.00% | 69.00% | 44.00% | 27.00% | 512 | 81.00% | 16 | 84 | 68% | 24 | 107 | 2.00% |
| Brown Swiss | 95.00% | 89.00% | 74.00% | 53.00% | 39.00% | 509 | 74.00% | 20 | 92 | 65% | 29 | 121 | 3.00% |

Ontario - Multiple Breed Analysis version III quota holdings barn 76.xlsx

| Milking Speed | | | | Milking temperament | | | | Heifer calving ability | | | | Cow calving ability | | | |
|---------------|---------|--------|-----------|---------------------|--------|-----------|------------|------------------------|-----------|-------------------|------------|---------------------|-----------|---------|--|
| Slow | Average | Fast | Very fast | Average | Calm | Very calm | Unassisted | Easy Pull | Hard Pull | Surgery | Unassisted | Easy Pull | Hard Pull | Surgery | |
| 11.00% | 63.00% | 22.00% | 2.00% | 50.00% | 35.00% | 4.00% | 51.00% | 35.00% | 14.00% | 0.50% | 67.00% | 28.00% | 4.90% | 0.20% | |
| 7.00% | 59.00% | 29.00% | 3.00% | 44.00% | 39.00% | 8.00% | 81.00% | 16.00% | 3.40% | 0.10% | 88.00% | 10.00% | 1.20% | 0.00% | |
| 11.00% | 52.00% | 29.00% | 6.00% | 44.00% | 34.00% | 13.00% | 66.00% | 28.00% | 5.70% | 0.20% | 73.00% | 23.00% | 4.30% | 0.30% | |
| 8.00% | 55.00% | 34.00% | 2.00% | 42.00% | 43.00% | 3.00% | 67.00% | 27.00% | 5.70% | 0.20% | 73.00% | 23.00% | 3.30% | 0.20% | |
| 9.00% | 59.00% | 28.00% | 3.00% | 42.00% | 41.00% | 8.00% | 78.00% | 14.00% | 8.00% | 0.00% | 84.00% | 14.00% | 2.00% | 0.00% | |
| 11.00% | 49.00% | 36.00% | 2.00% | 36.00% | 48.00% | 2.00% | 87.00% | 12.00% | 0.90% | 0.00% | 83.00% | 15.00% | 2.10% | 0.00% | |
| 13.00% | 58.00% | 23.00% | 3.00% | 40.00% | 40.00% | 7.00% | 69.00% | 25.00% | 5.50% | 0.50% | 78.00% | 19.00% | 2.50% | 0.40% | |
| | | | | | | | | 49.00% | | Holstein | | 32.90% | | | |
| | | | | | | | | 19.40% | | Jersey | | 11.20% | | | |
| | | | | | | | | 33.70% | | Guernesey | | 27.30% | | | |
| | | | | | | | | 32.70% | | Ayrshire | | 26.30% | | | |
| | | | | | | | | 22.00% | | Milking Shorthorn | | 16.00% | | | |
| | | | | | | | | 12.90% | | Canadienne | | 17.10% | | | |
| | | | | | | | | 30.50% | | Brown Swiss | | 21.50% | | | |