

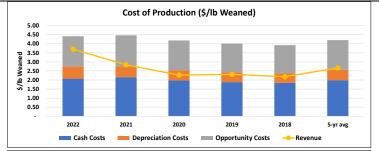
Farm Summary

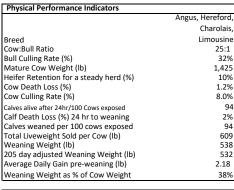
Farm Characteristics	CA-ON-3
Farm Description	A cow-calf operation with 50 beef cows, producing predominantly homegrown feed.
Winter Feeding Ration (Ibs/cow/day as fed)	165 days on hay (30 lb) and oat/pea silage (15 lb)
Retained Ownership/Replacement Ration (Ib/head/day as fed)	Replacement heifers: 165 days on hay (15 lb), oat/pea silage (8 lb) and protein lick tub (0.15 lb)
	This benchmark is based on 5 farms of data; outliers were excluded as required. Canfax Research Services (CRS) tries to provide quality

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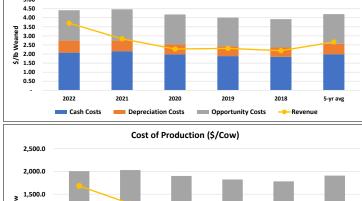
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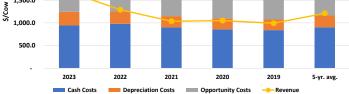
Environment	
Average Annual Temperature	4.9 to 7.8°C
Average Annual Precipitation (mm)	759-1087 mm
Ecoregion	Lake Simcoe-Rideau
Stocking Rate (Animal Unit days per acre)	50
Fertilize Hay (yes/no)	Yes
Fertilize Pasture (yes/no)	No
Typical Hay Yield (tonnes/acre)	2.5
Grassland Acres (owned+rented)	316
Crop Acres (includes hay) (owned+rented)	96
Bush and other acres	45

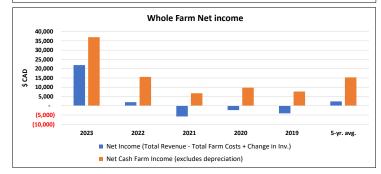




Weaning Weight as % of Cow Weight	38%
Production System	
Herd size	50
Days on field feeding (e.g. swath grazing)	0
Days supplemented on pasture	0
Days on full winter feed	165
Calving Start date	April 11
Weaning date	November 20
Sale date	November 20
Retained ownership	Replacements
% of feed purchased	1.4%
% of land in crops	21%
Annual sales Retained Cattle (head)	N/A
Placement weight (lbs)	N/A
Sale Weight (lbs)	N/A
Days on feed	0
Days on grass	0
Footnotes:	







Cost of Production: Cash Cost + Depreciation + Opportunity Costs

Cash Costs = Cash cost for purchased feed, fertiliser, seeds, fuel, maintenance, land rents, animal purchases, interest on liabilities, wages paid, veterinary costs plus medicine, water, insurance, accounting, etc (excl. Tax)

Depreciation = Linear depreciation on machinery and buildings, calculated on replacement values

Opportunity Costs = Calculated cost for using own production factors like labour (family working hours * wage for qualified local labour, land (own land * regional land rents) and capital (non-land equity * lona-term aovernment bonds interest rate)

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Whole Farm Overview Page

Overview Operation Maturity	Medium						
Herd Size 50		Beef Animals					
Paid Labour (livestock only) (hours)	257						
Unpaid Labour (livestock only) (hours) Average wages - paid and unpaid (\$/hr)	1,163 21.41						
Revenue		2023	2022	2021	2020	2019	5-yr. av
Market Revenue	5-yr avg	84,125	64,477	51,701	52,520	49,583	60,48
Cow-Calf	100%	84,125	64,477	51,701	52,520	49,583	60,48.
Cash Crops	0%	-	-	-	-	-	-
Retained Ownership Government Payments	0% 0%	-	-	-	-	-	-
Other Farm Revenue +	0%	- 11	- 1	-	- 0	- 0	-
Total Revenue	100%	84,136	64,478	51,701	52,520	49,583	60,483
Change in Inventory		-	-	-	-	-	-
Expenses		2023	2022	2021	2020	2019	5-yr. av
Depreciation		15,063	13,647	12,511	12,062	11,759	13,00
Machinery		7,931	6,895	6,197	5,984	5,784	6,558
Buildings		7,132	6,752	6,314	6,078	5,974	6,450
Quota econ. Accounting		-	-	-	-	-	-
Overhead costs		18,864	20,413	18,694	17,761	17,685	18,68
Land improvement		1,822	2,053	1,899	1,842	1,827	1,889
Machinery Maintenance		1,799	1,896	1,871	1,841	1,809	1,843
Buildings Maintenance		1,082	1,299	1,130	1,080	1,082	1,13
Contract labour		-	-	-	-	-	-
Diesel, Gasoline, Natural Gas		1,030	1,754	1,089	737	1,030	1,128
Electricity		-	-	-	-	-	-
Water		-	-	-	-	-	-
Farm insurance Disability and accident insurance		5,292	5,466	5,190	5,006	4,857	5,162
Farm taxes and duties		3,834	3,960	3,760	3,627	3,519	- 3,74
Advisor costs		408	421	400	386	374	398
Accountant & legal fees		1,428	1,475	1,401	1,351	1,311	1,393
Phone & utilities		1,282	1,234	1,155	1,118	1,110	1,180
Other overhead costs		886	853	799	773	767	810
Wages, rent and interest payments		12,137	12,689	12,276	11,391	10,942	11,88
Paid Labour		5,507	5,688	5,400	5,209	5,054	5,37
Total land rents		3,488	3,221	2,814	2,433	2,356	2,862
Total Interest on debt		3,141	3,781	4,062	3,749	3,532	3,653
Cow-Calf		11,519	11,220	9,774	9,657	9,153	10,26
Animal purchases		3,400	3,400	3,400	3,400	3,400	3,400
Purchased feed		4,923	4,413	3,209	3,209	2,727	3,690
Other fixed and var. costs *		3,196	3,407	3,165	3,048	3,027	3,169
Retained Ownership		-,	-, -	-,	-,	-,-	-,
Animal purchases		-	-	-	-	-	-
Purchased feed		-	-	-	-	-	-
Other fixed and var. costs *		-	-	-	-	-	-
Crop and forage		4,652	4,604	4,224	4,006	4,155	4,328
Seed		2,825	2,670	2,544	2,459	2,585	2,61
Fertilizer Herbicide		1,134	1,267	1,056	942	971	1,07
Fungicide & Insecticide		-	-	-	-	-	-
Irrigation		-	-	-	-	-	-
Contract labour Fuel costs (crop & forage)		-	-	-	-	-	-
Other crop and forage		693	667	625	604	600	63
Total Farm Costs (excludes unpaid labour)		62,235	62,573	57,479	54,876	53,695	58,172
Cash Costs (Total Farm Costs - Depreciation)		47,172	48,926	44,968	42,815	41,936	45,16
Depreciation & Opportunity Costs (including u	inpaid labour)	39,966	38,550	37,413	36,964	36,661	37,91
Total Economic Costs (cash, depr, opportunity)	87,137	87,476	82,382	79,779	78,597	83,074
Profits		2023	2022	2021	2020	2019	5-yr. av
Net Income (Total Revenue - Total Farm Costs + Ch	ange in Inv.)	21,901	1,904	(5,778)	(2,357)	(4,112)	2,312
Net Cash Farm Income (excludes depreciation)		36,954	15,551	6,733	9,705	7,647	15,31

+ Other Farm Revenue includes: Other enterprises, capital gains and losses as well as calculated interest on savings based on the models previous year profits.

*Other fixed and var. costs includes: veterinary, medicine, maintenance and spare parts, and other/miscellaneous





Cow-Calf Enterprise (\$/Cow)	2023	2022	2021	2020	2019	5 yr. avg.
No. of Cows*	50	50	50	50	50	50
Average male and female calf price (\$/head)	1,729	1,313	1,065	1,085	1,024	1,243
REVENUE	,	,	,	,	,	,
Cow Calf	1,683	1,290	1,034	1,050	992	1,210
Cull animals and slaughter receipts	207	165	126	124	115	147
Breeding livestock receipts	-	-	-	-	-	-
Calf Sales and transfer to retained ownership enterprise	1,476	1,124	908	927	877	1,062
Government payments	-	-	-	-	-	-
Other returns	-	-	-	-	-	-
Total Cow-Calf Revenue	1,683	1,290	1,034	1,050	992	1,210
VARIABLE COSTS						
Animal purchases	68.0	68.0	68.0	68.0	68.0	68
Feed (purchase feed, fertiliser, seed, pesticides)	227.9	221.4	186.7	181.1	174.2	198
Machinery (maintenance, depreciation, contractor)	194.6	175.8	161.4	156.5	151.9	168
Fuel, energy, lubricants, water	27.7	45.0	29.1	21.2	27.9	30
Vet & medicine	25.7	26.6	25.3	24.4	23.6	25
Other inputs cow calf enterprise	93.4	93.0	88.4	85.9	84.6	89
Labour						
Paid Labour	110.1	113.8	108.0	104.2	101.1	107
Unpaid Labour	498.0	514.4	488.4	471.1	457.1	486
Total Variable Costs	1,245.6	1,258.0	1,155.2	1,112.4	1,088.3	1,172
CAPITAL COSTS						
Insurance, taxes	200.3	206.8	196.4	189.4	183.8	195
Buildings (maintenance, depreciation)	164.3	161.0	148.9	143.2	141.1	152
Land Cost	-	-	-	-	-	
Rented Land	69.8	64.4	56.3	48.7	47.1	57
Own Land	184.9	181.7	176.7	172.1	171.2	177
Capital Costs	-	-	-	-	-	
Liabilities	62.8	75.6	81.2	75.0	70.6	73
Own capital	80.3	83.7	86.2	83.6	80.1	83
Total Capital Costs	762.3	773.3	745.7	711.9	694.0	737
COSTS						
Cash Costs	943.4	978.5	899.4	856.3	838.7	903
Depreciation Costs	301.3	272.9	250.2	241.2	235.2	260
Opportunity Costs	763.3	779.8	751.3	726.8	708.4	746
Total Production Costs	2,008.0	2,031.3	1,900.9	1,824.3	1,782.3	1,909
Profits	2023	2022	2021	2020	2019	5-yr. avg.
Short-term profit (cash costs)	739.1	311.0	134.7	194.1	152.9	306
Medium-term profit (cash + depreciation)	437.8	38.1	(115.6)	(47.1)	(82.2)	46
Long-term profit (cash + depreciation + opportunity) *Model Maintains a stable herd size	(325.5)	(741.7)	(866.9)	(773.9)	(790.6)	(700)

Costs and revenue are reported for a calendar (e.g. January to December). It reflects revenue and expenses that a producer experiences over that period. Produce rs who want a cash flow analysis typically use a calendar or agricultural year. This method is often preferred by lenders when getting evaluated for a line of credit or a loan. The model maintains a stable herd, retention rates were adjusted to ensure that.

Cash Costs

Cash costs are the outlays over the course of the year, including machine repairs, paid labour, costs of feed production, and purchased feed. CDN COP Network bases cash costs on actual costs of production. Agri Profit\$ uses the market value for some cash costs, including feed

The cost of producing the feed on-farm and the purchased feed costs as used in that year to reflect the experience and situation of producers. Production inputs, land and any purchased feeds utilized that year are included. Rations for each type of animal and inventories are used to calculate total feed requirements. Any shortfall in production are assumed to be purchased at market value. Feed rations and yields are provided "as fed" to balance the

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Land: separated into owned and rented land, includes both crop and pastureland. Land costs = Rents paid + calculated land rents for own land (opportunity cost). By using the cost of land, the advantage that mature operations have is clearly shown as their cost structure is lower when land has been fully paid off.

Allocation

Generic allocation uses percent revenues from each commodity to cover overheads and utilizes accounting data for the overhead costs. This takes the approach that overheads and fixed costs will be covered by something grown on the farm and recognizes that there are commodity price cycles where grains and livestock tend to be opposite. It is not so much concerned about each enterprise paying their way as that all overheads are covered by the mix of commodities grown. It should be recognized that as commodity prices fluctuate and revenues to each enterprise fluctuate, the shifting shares will change the cost structure for each enterprise from year to year.

Depreciation

Depreciation on buildings and machinery is a non-cash cost that reveals the ability of the farm to continue operating if an asset needs replacement. Differences in depreciation costs between AgriProfitS and the CON COP Network primarily comes from the use of specific (AgriProfitS) versus generic (CDN COP Network) allocation. Where generic allocation results in machinery depreciation used for feed production to show up in the con-calf enterprise as that is where revenue is generated. In contrast, specific allocation removes that costs and since feed is treated at market value, machinery depreciation of feed production is treated as a cash cost. This results in the CDN COP Network typically having lower cash costs and higher depreciation costs than what is reported in AgriProfit\$.

Opportunity Costs

Opportunity costs are the non-cash costs that reveal the opportunity of using different resources. These costs can include Unpaid labour, renting out land, the opportunity of selling or buying feed production, and return to own capital.

Land: The Opportunity costs of land are the rents for new contracts if the farm rents out owned land. It reflects the future cost of renting land. If the producers' profits of utilizing the land outweigh the profits of renting the land, Labour: The opportunity costs of labour are the calculated wage for family labour, either off-farm salary or farm manager salary. It is important to note that the opportunity cost of labour reflects the income you can receive for

the same type of labour

Capital: The opportunity cost of capital is the interest rate for long-term government bonds multiplied by the equity without land (values of machines, buildings, livestock, circulating capital, less total loans). If the producers' return on capital through farm and ranch production of an enterprise is greater than investing elsewhere then, continuous production should be preferred.

Unit Reported

Often cow-calf COP is expressed as dollars per cow wintered (\$/cow wintered) which adjusts the calf price per head for the number of calves sold per 100 cows. When evaluating overall cost structure to identify areas for improvement, or comparing to a benchmark, this is sufficient.

Index even a per unit cost provides produces with their break-even cost, allowing them to compare with posted market prices for their calves' average weight category. This break-even price will depend on the percentage of calves weaned that year from the cow herd. The higher percent weaned, the lower per pound the break-even price will be.



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Cow-Calf Enterprise (\$/lb Weaned)	2023	2022	2021	2020	2019	5 yr. avg.
Pounds Weaned	22,709	22,709	22,709	22,709	22,709	22,709
Average male and female weaning weight (lbs)	538	538	538	538	538	
Average male and female calf price at weaning (\$/lb)	3.21	2.44	1.98	2.02	1.90	2.31
REVENUE						
Cow Calf Operation	3.70	2.84	2.28	2.31	2.18	2.66
Cull animals and slaughter receipts	0.45	0.36	0.28	0.27	0.25	0.32
Breeding livestock receipts	-	-	-	-	-	-
Calf Sales and transfer to retained ownership enterprise	3.25	2.48	2.00	2.04	1.93	2.34
Government payments	-	-	-	-	-	-
Other returns	-	-	-	-	-	-
Total Cow-Calf Revenue	3.70	2.84	2.28	2.31	2.18	2.66
VARIABLE COSTS						
Animal purchases	0.15	0.15	0.15	0.15	0.15	0.15
Feed (purchase feed, fertiliser, seed, pesticides)	0.50	0.49	0.41	0.40	0.38	0.44
Machinery (maintenance, depreciation, contractor)	0.43	0.39	0.36	0.34	0.33	0.37
Fuel, energy, lubricants, water	0.06	0.10	0.06	0.05	0.06	0.07
Vet & medicine	0.06	0.06	0.06	0.05	0.05	0.06
Other inputs cow calf enterprise	0.21	0.20	0.19	0.19	0.19	0.20
Labour						
Paid Labour	0.24	0.25	0.24	0.23	0.22	0.24
Unpaid Labour	1.10	1.13	1.08	1.04	1.01	1.07
Total Variable Costs	2.7	2.8	2.5	2.4	2.4	2.6
CAPITAL COSTS						
Insurance, taxes	0.44	0.46	0.43	0.42	0.40	0.43
Buildings (maintenance, depreciation)	0.36	0.35	0.33	0.32	0.31	0.33
Land Cost						
Rented Land	0.15	0.14	0.12	0.11	0.10	0.13
Owned Land	0.41	0.40	0.39	0.38	0.38	0.39
Capital Costs						
Liabilities	0.14	0.17	0.18	0.17	0.16	0.16
Own capital	0.18	0.18	0.19	0.18	0.18	0.18
Total Capital Costs	1.7	1.7	1.6	1.6	1.5	1.6
COSTS						
Cash Costs	2.08	2.15	1.98	1.89	1.85	1.99
Depreciation Costs	0.66	0.60	0.55	0.53	0.52	0.57
Opportunity Costs	1.68	1.72	1.65	1.60	1.56	1.64
Total Production Costs	4.42	4.47	4.19	4.02	3.92	4.20
Profits	2023	2022	2021	2020	2019	5-yr. avg
Short-term profit (cash costs)	1.63	0.68	0.30	0.43	0.34	0.67
Medium-term profit (cash + depreciation)	0.96	0.08	(0.25)	(0.10)	(0.18)	0.10
Long-term profit (cash + depreciation + opportunity)	(0.72)	(1.63)	(1.91)	(1.70)	(1.74)	(1.54)

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Feed: Calculated as feed cost (purchase feed + fertilizer, seed and pesticides for own feed production) + machinery cost (machinery maintenance + depreciation + contractor) + fuel, energy, lubricants and water + land cost (land rents paid + opportunity cost own land) Land: separated into owned and rented land, includes both crop and pastureland. Land costs = Rents paid + calculated land rents for own land (opportunity cost).

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