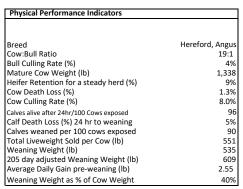
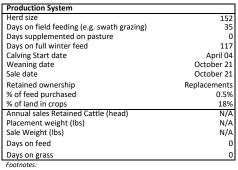
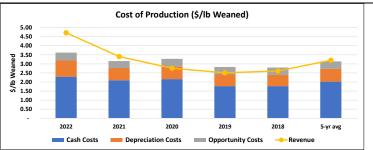


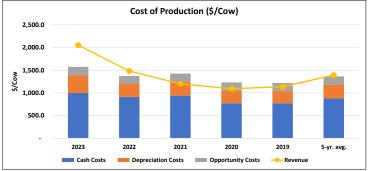
Farm Characteristics	CA-AB-6
Farm Description	A cow-calf operation producing predominantly homegrown feed in one of the most productive agricultural regions of the prairies.
Winter Feeding Ration (lbs/cow/day as fed)	35 days of swath grazing followed by 117 days winter feeding with hay (28 lb), straw (11 lb), grain (2 lb), mineral and salt (100 g)
Retained Ownership/Replacement Ration (lb/head/day as fed)	n/a
Disclaimer:	This benchmark is based on 3 farms of data; outliers were excluded as required. Canfax Research Services (CRS) tries to provide quality information, but we make no claims, promises, or guarantees about the accuracy, completeness, or adequacy of the information. CRS does not guarantee and accepts no legal liability arising from or connected to, the accuracy, reliability, or completeness of any material contained in our publications. Reproduction and/or electronic transmission of this publication, in whole or in part, is strictly forbidden without written consent from CRS.

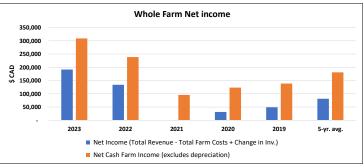
Environment	
Average Annual Temperature	1.5°C
Average Annual Precipitation (mm)	400–500 mm
Ecoregion	Aspen Parkland
Stocking Rate (Animal Unit days per acre)	17
Fertilize Hay (yes/no)	Yes
Fertilize Pasture (yes/no)	No
Typical Hay Yield (tonnes/acre)	1.7
Grassland Acres (owned+rented)	2,370
Crop Acres (includes hay) (owned+rented)	518
Bush and other acres	0











 ${\it Cost\ of\ Production:\ Cash\ Cost\ +\ Depreciation\ +\ Opportunity\ Costs}$

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 a



Whole Farm Overview Page

Overview							
Operation Maturity Mature Herd Size 152 Paid Labour (livestock only) (hours) 397		Doof Animals	Cald from Datains	od Ownership	N/A		
		Beer Animais	Sold from Retaine	ed Ownership	N/A		
Unpaid Labour (livestock only) (hours)							
Average wages - paid and unpaid (\$/hr)	12.71						
Revenue		2023	2022	2021	2020	2019	5-yr. avg
Market Revenue	5-yr avg	513,817	429,199	279,886	293,329	310,898	365,426
Cow-Calf	49% 39%	304,284	208,872	167,944	165,779	172,420	203,860
Cash Crops Retained Ownership	0%	209,532	220,327	111,942 -	127,550	138,478	161,566
Government Payments	3%	13,435	21,947	20,123	5,835	5,835	13,435
Other Farm Revenue +	9%	37,415	37,384	37,368	37,368	37,370	37,381
Total Revenue	100%	564,666	488,529	337,377	336,532	354,102	416,241
Change in Inventory		-	-	-	-	-	-
Expenses		2023	2022	2021	2020	2019	5-yr. avg
Depreciation		117,469	104,692	95,236	91,870	89,271	99,708
Machinery		84,264	73,257	65,843	63,574	61,455	69,679
Buildings		33,205	31,434	29,394	28,297	27,815	30,029
Quota econ. Accounting		-	-	-	-	-	-
Overhead costs		15,947	15,985	13,901	13,165	13,051	14,410
Land improvement		-	-	-	-	-	-
Machinery Maintenance		2,074	1,944	1,842	1,812	1,780	1,890
Buildings Maintenance		1,181	1,074	856	827	839	955
Contract labour		527	544	483	498	483	507
Diesel, Gasoline, Natural Gas		1,659	2,269	1,474	1,136	1,240	1,556
Electricity		1,437	994	603	443	434	782
Water		-	-	-	-	-	-
Farm insurance		1,771	1,829	1,737	1,675	1,625	1,727
Disability and accident insurance		-	-	-	-	- 61	-
Farm taxes and duties Advisor costs		66	68	65	63	61	65 3.676
		3,769	3,893	3,696	3,565	3,459	3,676
Accountant & legal fees				2 171	2 171	2 155	2 276
Phone & utilities Other overhead costs		2,489 975	2,396 975	2,171 975	2,171 975	2,155 975	2,276 975
Wages, rent and interest payments		63,924	65,644	66,240	68,685	71,172	67,133
Paid Labour		9,138	9,439	8,961	8,645	8,387	8,914
Total laterest on debt		48,056	47,694	47,187	47,011	46,735	47,336
Total Interest on debt		6,730	8,511	10,091	13,029	16,051	10,883
Cow-Calf		64,887	53,044	58,596	34,261	33,531	48,864
Animal purchases		1,167	1,167	1,167	1,167	1,167	1,167
Purchased feed		30,377	18,554	29,901	7,875	7,561	18,854
Other fixed and var. costs *		33,343	33,324	27,528	25,219	24,803	28,844
Retained Ownership		-	-	-	-	-	-
Animal purchases		-	-	-	-	-	-
Purchased feed		-	-	-	-	-	-
Other fixed and var. costs *		-	-	-	-	-	-
Crop and forage		110,909	115,188	103,161	97,133	97,918	104,862
Seed		26,509	23,242	23,898	21,064	22,417	23,426
Fertilizer Herbicide		32,903 9,475	37,252 11,782	30,346 10,671	26,642 10,191	27,566 9,733	30,942 10,370
Fungicide & Insecticide		-	-	-	-	-	-
Irrigation		-	-	-	-	-	
Contract labour Fuel costs (crop & forage)		35,024	36,176	32,143	33,132	32,143	33,724
Other crop and forage		6,999	6,736	6,103	6,103	6,059	6,400
Total Farm Costs (excludes unpaid labour)		373,136	354,553	337,134	305,114	304,943	334,976
Cash Costs (Total Farm Costs - Depreciatio	n)	255,667	249,861	241,898	213,244	215,672	235,268
Depreciation & Opportunity Costs (including	•	126,898	114,121	104,665	101,299	98,699	109,137
Total Economic Costs (cash, depr, opportu		382,565	363,982	346,563	314,543	314,372	344,405
Profits		2023	2022	2021	2020	2019	5-yr. avg
Net Income (Total Revenue - Total Farm Costs +	+ Change in Inv.)	191,530	133,976	242	31,418	49,160	81,265
Net Cash Farm Income (excludes depreciation)		308.951	238,650	95,477	123,287	138,427	180,958

⁺ 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

No. of Cows* 152 152 Average male and female calf price (\$/head) 2,242 1,526 REVENUE 2,052 1,480 Cull animals and slaughter receipts 174 129 Breeding livestock receipts - - Calf Sales and transfer to retained ownership enterprise 1,828 1,245 Government payments 50.0 106.0 Other returns - - Total Cow-Calf Revenue 2,052 1,480 VARIABLE COSTS 7.7 7.7 Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Paid Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL C							
REVENUE Cow Calf 2,052 1,480 Cull animals and slaughter receipts 174 129 Breeding livestock receipts - - Calf Sales and transfer to retained ownership enterprise 1,828 1,245 Government payments 50.0 106.0 Other returns - - Total Cow-Calf Revenue 2,052 1,480 VARIABLE COSTS 7.7 7.7 Animal purchases 7.7 7.7 Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Paid Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0	o. of Cows*	152	152	152	152	152	152
Cow Calf 2,052 1,480 Cull animals and slaughter receipts 174 129 Breeding livestock receipts - - Calf Sales and transfer to retained ownership enterprise 1,828 1,245 Government payments 50.0 106.0 Other returns - - Total Cow-Calf Revenue 2,052 1,480 VARIABLE COSTS Animal purchases 7.7 7.7 Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour Paid Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0	Average male and female calf price (\$/head)	2,242	1,526	1,220	1,204	1,253	1,489
Cull animals and slaughter receipts 174 129 Breeding livestock receipts - - Calf Sales and transfer to retained ownership enterprise 1,828 1,245 Government payments 50.0 106.0 Other returns - - Total Cow-Calf Revenue 2,052 1,480 VARIABLE COSTS Animal purchases 7.7 7.7 Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Paid Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0	EVENUE						
Breeding livestock receipts - - Calf Sales and transfer to retained ownership enterprise 1,828 1,245 Government payments 50.0 106.0 Other returns - - Total Cow-Calf Revenue 2,052 1,480 VARIABLE COSTS Animal purchases 7.7 7.7 Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Paid Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0	ow Calf	2,052	1,480	1,199	1,091	1,134	1,391
Calf Sales and transfer to retained ownership enterprise 1,828 1,245 Government payments 50.0 106.0 Other returns - - Total Cow-Calf Revenue 2,052 1,480 VARIABLE COSTS Animal purchases 7.7 7.7 Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0	Cull animals and slaughter receipts	174	129	109	109	114	127
Government payments 50.0 106.0 Other returns - - Total Cow-Calf Revenue 2,052 1,480 VARIABLE COSTS - 7,7 7,7 Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour Paid Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0	Breeding livestock receipts	-	-	-	-	-	-
Other returns - - Total Cow-Calif Revenue 2,052 1,480 VARIABLE COSTS Animal purchases 7.7 7.7 Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	Calf Sales and transfer to retained ownership enterprise	1,828	1,245	996	982	1,021	1,214
Total Cow-Calf Revenue 2,052 1,480 VARIABLE COSTS 7.7 7.7 Animal purchases 7.7 7.7 Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	Government payments	50.0	106.0	94.0	-	-	50.0
VARIABLE COSTS Animal purchases 7.7 7.7 Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour Paid Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	Other returns	-	-	-	-	-	-
Animal purchases 7.7 7.7 Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	otal Cow-Calf Revenue	2,052	1,480	1,199	1,091	1,134	1,391
Feed (purchase feed, fertiliser, seed, pesticides) 282.2 208.5 Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	ARIABLE COSTS						
Machinery (maintenance, depreciation, contractor) 411.4 329.5 Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	nimal purchases	7.7	7.7	7.7	7.7	7.7	8
Fuel, energy, lubricants, water 70.0 68.6 Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	eed (purchase feed, fertiliser, seed, pesticides)	282.2	208.5	272.8	119.7	120.0	201
Vet & medicine 65.9 68.1 Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Paid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	Machinery (maintenance, depreciation, contractor)	411.4	329.5	326.0	310.0	297.9	335
Other inputs cow calf enterprise 110.9 103.2 Labour 33.2 27.8 Paid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	uel, energy, lubricants, water	70.0	68.6	42.2	29.8	29.6	48
Labour 33.2 27.8 Paid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	et & medicine	65.9	68.1	64.6	62.4	60.5	64
Paid Labour 33.2 27.8 Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	ther inputs cow calf enterprise	110.9	103.2	95.5	91.5	90.8	98
Unpaid Labour 67.8 56.8 Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	bour						
Total Variable Costs 1,049.1 870.0 CAPITAL COSTS	Paid Labour	33.2	27.8	31.2	28.5	27.3	30
CAPITAL COSTS	Unpaid Labour	67.8	56.8	63.8	58.2	55.8	60
	otal Variable Costs	1,049.1	870.0	903.7	707.9	689.5	844
Insurance, taxes 16.9 16.2	APITAL COSTS						
	Insurance, taxes	16.9	16.2	16.3	15.4	14.9	16
Buildings (maintenance, depreciation) 74.3 64.6	Buildings (maintenance, depreciation)	74.3	64.6	64.2	60.5	59.2	65
Land Cost	Land Cost	-	-	-	-	-	
Rented Land 287.0 284.7	Rented Land	287.0	284.7	281.8	280.7	279.1	283
Own Land 48.8 46.8	Own Land	48.8	46.8	44.0	43.0	41.5	45
Capital Costs	Capital Costs	-	-	-	-	-	
Liabilities 24.5 25.8	Liabilities	24.5	25.8	35.9	43.0	52.3	36
Own capital 74.2 64.0	Own capital	74.2	64.0	80.0	80.3	80.8	76
Total Capital Costs 525.6 502.1	otal Capital Costs	525.6	502.1	522.2	522.9	527.7	520
COSTS	OSTS						
Cash Costs 997.4 910.3	ash Costs	997.4	910.3	937.9	770.7	771.3	878
Depreciation Costs 386.5 294.3	epreciation Costs	386.5	294.3	300.2	278.6	267.9	306
Opportunity Costs 190.8 167.6	pportunity Costs	190.8	167.6	187.8	181.5	178.1	181
Total Production Costs 1,574.7 1,372.2	otal Production Costs	1,574.7	1,372.2	1,425.9	1,230.8	1,217.3	1,364
Profits 2023 2022	rofits	2023	2022	2021	2020	2019	5-yr. avg.
Short-term profit (cash costs) 1,054.4 569.9	nort-term profit (cash costs)	1,054.4	569.9	261.0	320.0	363.1	514
Medium-term profit (cash + depreciation) 667.9 275.6	ledium-term profit (cash + depreciation)	667.9	275.6	(39.2)	41.4	95.2	208
Long-term profit (cash + depreciation + opportunity) 477.1 108.0 *Model Maintains a stable herd size							

*Model Maintains a stable herd size

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 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 redet. 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). 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.

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 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 AgriProfit\$ and the CDN COP Network primarily comes from the use of specific (AgriProfit\$) versus generic (CDN COP Network) allocation. Where generic allocation results in machinery depreciation used for feed production to show up in the cow-calf enterprise as that is where revenue is generated. In contrast, specific allocation removes that cost and since feed is treated at market value, machinery depreciation for 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 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.

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.

However, a per unit cost provides producers 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.





Cow-Calf Enterprise (\$/lb Weaned)	2023	2022	2021	2020	2019	5 yr. avg.
Pounds Weaned	66,039	66,039	66,039	66,039	66,039	66,039
Average male and female weaning weight (lbs)	535	535	535	535	535	
Average male and female calf price at weaning (\$/lb)	4.19	2.85	2.28	2.25	2.34	2.78
REVENUE						
Cow Calf Operation	4.72	3.41	2.76	2.51	2.61	3.20
Cull animals and slaughter receipts	0.40	0.30	0.25	0.25	0.26	0.29
Breeding livestock receipts	-	-	-	-	-	-
Calf Sales and transfer to retained ownership enterprise	4.21	2.87	2.29	2.26	2.35	2.79
Government payments	0.12	0.24	0.22	-	-	0.12
Other returns	-	-	-	-	-	-
Total Cow-Calf Revenue	4.72	3.41	2.76	2.51	2.61	3.20
VARIABLE COSTS						
Animal purchases	0.02	0.02	0.02	0.02	0.02	0.02
Feed (purchase feed, fertiliser, seed, pesticides)	0.65	0.48	0.63	0.28	0.28	0.46
Machinery (maintenance, depreciation, contractor)	0.95	0.76	0.75	0.71	0.69	0.77
Fuel, energy, lubricants, water	0.16	0.16	0.10	0.07	0.07	0.11
Vet & medicine	0.15	0.16	0.15	0.14	0.14	0.15
Other inputs cow calf enterprise	0.26	0.24	0.22	0.21	0.21	0.23
Labour						
Paid Labour	0.08	0.06	0.07	0.07	0.06	0.07
Unpaid Labour	0.16	0.13	0.15	0.13	0.13	0.14
Total Variable Costs	2.4	2.0	2.1	1.6	1.6	1.9
CAPITAL COSTS						
Insurance, taxes	0.04	0.04	0.04	0.04	0.03	0.04
Buildings (maintenance, depreciation)	0.17	0.15	0.15	0.14	0.14	0.15
Land Cost						
Rented Land	0.66	0.66	0.65	0.65	0.64	0.65
Owned Land	0.11	0.11	0.10	0.10	0.10	0.10
Capital Costs						
Liabilities	0.06	0.06	0.08	0.10	0.12	0.08
Own capital	0.17	0.15	0.18	0.18	0.19	0.17
Total Capital Costs	1.2	1.2	1.2	1.2	1.2	1.2
COSTS						
Cash Costs	2.30	2.10	2.16	1.77	1.78	2.02
Depreciation Costs	0.89	0.68	0.69	0.64	0.62	0.70
Opportunity Costs	0.44	0.39	0.43	0.42	0.41	0.42
Total Production Costs	3.62	3.16	3.28	2.83	2.80	3.14
Profits	2023	2022	2021	2020	2019	5-yr. avg.
Short-term profit (cash costs)	2.43	1.31	0.60	0.74	0.84	1.18
Medium-term profit (cash + depreciation)	1.54	0.63	(0.09)	0.10	0.22	0.48
Long-term profit (cash + depreciation + opportunity)	1.10	0.25	(0.52)	(0.32)	(0.19)	0.06

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 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

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

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 feed" to balance the model. Below are the included costs for feed production:

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). 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 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 AgrProfit\$ and the CDN COP Network primarily comes from the use of specific (AgrIProfit\$) versus generic (CDN COP Network) allocation. Where generic allocation results in machinery depreciation used for feed production to show up in the cow-calf enterprise as that is where revenue is generated. In contrast, specific allocation removes that cost and since feed is treated at market value, machinery depreciation for 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

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, utilizing owned land for production should be preferred and vice-versa.

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 (S/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

intercurve and to the Expressed as unlar specific warmineted (your winneted winner adjusts the Cair price per nead of the number of cares soid per 100 claws. When evaluating over an cost structure to the first of the improvement, or comparing to a benchmark, this is sufficient.

However, a per unit cost provides producers 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.



