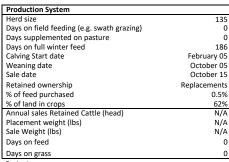
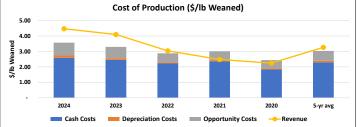


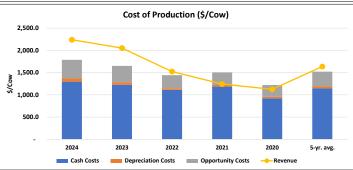
Farm Characteristics	CA-SK-6
Farm Description	A mixed cow-calf and cash crop operation utilizing predominantly homegrown feed in one of the most productive agricultural regions on the prairies.
Winter Feeding Ration (lbs/cow/day as fed)	186 days of predominantly cereal silage (35 lb)* and alfalfa hay (14 lb) fed TMR with custom mineral mix (100 g), with barley grain (4.5 lb) included for 90 days. *Total delivery dependent on dry matter of main silage ingredient (corn, barley, oat)
Retained Ownership/Replacement Ration (lb/head/day as fed)	186 days of predominantly cereal silage (24 lb)*, alfalfa hay (10 lb) and barley grain (4 lb) fed TMR with custom mineral mix (65 g). *Total delivery dependent on dry matter of main silage ingredient (corn, barley, oat)
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.

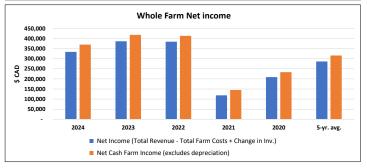
Environment	
Average Annual Temperature	1.5°C
Average Annual Precipitation (mm)	400-500 mm
Ecoregion	Aspen Parkland
Stocking Rate (Animal Unit days per acre)	29
Fertilize Hay (yes/no)	Yes
Fertilize Pasture (yes/no)	No
Typical Hay Yield (tonnes/acre)	1.8
Grassland Acres (owned+rented)	1,384
Crop Acres (includes hay) (owned+rented)	2,268
Bush and other acres	0

Physical Performance Indicators	
	Angus, Simmental,
Breed	Charolais
Cow:Bull Ratio	24:1
Bull Culling Rate (%)	20%
Mature Cow Weight (lb)	1,480
Heifer Retention for a steady herd (%)	15%
Cow Death Loss (%)	1.3%
Cow Culling Rate (%)	13.5%
Calves alive after 24hr/100 Cows exposed	92
Calf Death Loss (%) 24 hr to weaning	3%
Calves weaned per 100 cows exposed	89
Total Liveweight Sold per Cow (lb)	730
Weaning Weight (lb)	708
205 day adjusted Weaning Weight (lb)	645
Average Daily Gain pre-weaning (lb)	2.73
Weaning Weight as % of Cow Weight	48%









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,

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 * long-term government bonds interest rate)
Whole Farm Profitability = Market returns (+ coupled payments) (+ decoupled payments) - whole-farm costs +/- changes in inventory +/- capital gains/losses

Whole Farm Net Income = Whole farm profitability + depreciation + changes in inventory + capital gains/losses. Known as: 'Net farm income' (Agri Profits, 2018)

Revenue = sales of calves, cull cows, breeding stock, government payments and other revenue applicable to the specific enterprise



Whole Farm Overview Page

Overview							
Operation Maturity	Medium						
Herd Size	135	Beef Anima	ls Sold from Retain	ed Ownership	N/A		
Paid Labour (livestock only) (hours)	844						
Unpaid Labour (livestock only) (hours) Average wages - paid and unpaid (\$/hr)	646 20.42						
Revenue	20.42	2024	2023	2022	2021	2020	5-yr. avg
							, ,
Market Revenue	5-yr avg	1,106,575	1,165,233	1,166,014	827,258	847,499	1,022,516
Cow-Calf Cash Crops	21% 78%	302,292 804,284	277,079 888,154	192,229 973,786	154,358 672,900	151,880 695,619	215,568 806,948
Retained Ownership	0%	004,204	000,134	3/3,/60	072,500	093,019	800,340
Government Payments	1%		_	13,500	13,500	_	5,400
Other Farm Revenue +	1%	11,036	11,047	11,025	11,000	11,001	11,022
Total Revenue	100%	1,117,611	1,176,281	1,190,540	851,758	858,500	1,038,938
Change in Inventory		-	-	-	-	1,319	264
Expenses		2024	2023	2022	2021	2020	5-yr. avg
Depreciation		36,473	31,994	28,952	26,527	25,575	29,904
Machinery		20,933	17,286	15,028	13,507	13,042	15,959
Buildings		15,540	14,708	13,923	13,019	12,533	13,945
Quota econ. Accounting		-	-	-	-	-	-
Overhead costs		111,011	113,677	114,402	95,589	83,823	103,700
Land improvement		5,955	5,525	5,065	4,561	4,218	5,065
Machinery Maintenance		23,209	20,539	18,176	16,085	14,234	18.448
Buildings Maintenance		3,104	3,062	2,926	2,687	2,601	2,876
Contract labour		8,384	8,384	8,660	8,222	7,931	2,870 8,316
Diesel, Gasoline, Natural Gas		24,685	25,837	32,336	22,307	15,813	24,196
Electricity		8,139	12,911	8,930	5,416	3,985	7,876
Water		-	-			-	
Farm insurance		7,569	7,569	7,818	7,422	7,160	7,507
Disability and accident insurance		1,400	1,400	1,446	1,373	1,325	1,389
Farm taxes and duties		7,637	7,637	7,888	7,489	7,224	7,575
Advisor costs		4,648	4,648	4,800	4,558	4,397	4,610
Accountant & legal fees		11,337	11,337	11,710	11,118	10,725	11,246
Phone & utilities		4,327	4,227	4,068	3,810	3,686	4,023
Other overhead costs		616	602	579	543	525	573
Wages, rent and interest payments		180,443	174,644	161,481	155,240	156,974	165,756
Paid Labour		28,449	28,449	29,385	27,898	26,912	28,219
Total land rents		115,283	103,874	92,170	83,923	79,922	95,034
Total Interest on debt		36,711	42,320	39,927	43,419	50,140	42,503
Cow-Calf		39,538	37,860	35,664	55,976	29,095	39,626
Animal purchases		8,676	6,587	5,395	4,629	4,733	6,004
Purchased feed		8,115	8,877	7,199	30,826	5,367	12,077
Other fixed and var. costs *		22,747	22,396	23,070	20,520	18,995	21,546
Retained Ownership		-	-	-	-	-	-
Animal purchases		-	-	-	-	-	-
Purchased feed		-	-	-	-	-	-
Other fixed and var. costs *		-	-	-	-	-	-
Crop and forage		416,547	431,951	465,759	399,720	355,335	413,862
Seed		110,440	109,440	95,278	98,153	93,224	101,307
Fertilizer		153,850	156,025	177,388	143,358	125,014	151,127
Herbicide		26,237	37,693	46,871	42,451	40,544	38,759
Fungicide & Insecticide Irrigation		27,763	27,763	27,763	27,763	27,763	27,763
Contract labour		-	-	-	-	-	_
Fuel costs (crop & forage)		66,679	70,189	88,777	60,198	41,895	65,548
Other crop and forage		31,577	30,841	29,683	27,798	26,895	29,359
Total Farm Costs (excludes unpaid labour)		784,012	790,125	806,258	733,052	650,802	752,850
Cash Costs (Total Farm Costs - Depreciation		747,539	758,131	777,306	706,525	625,227	722,946
Depreciation & Opportunity Costs (including	. ,	49,657	45,178	42,136	39,711	38,760	43,088
Total Economic Costs (cash, depr, opportu	nity)	797,197	803,309	819,442	746,236	663,987	766,034
Profits		2024 333,599	2023 386,156	2022 384,282	2021 118,706	2020	5-yr. avg 286,352
Net Income (Total Revenue - Total Farm Costs +							

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





 $^{{}^{\}bullet} Other fixed and var. costs includes: veterinary, medicine, maintenance and spare parts, and other/miscellaneous$

Cow-Calf Enterprise (\$/Cow)	2024	2023	2022	2021	2020	5 yr. avg.
No. of Cows*	135	135	135	135	135	135
Average male and female calf price (\$/head)	2,560	2,427	1,682	1,348	1,319	1,867
REVENUE						
Cow Calf	2,239	2,052	1,524	1,243	1,125	1,637
Cull animals and slaughter receipts	413	311	214	175	178	259
Breeding livestock receipts	-	-	-	-	-	-
Calf Sales and transfer to retained ownership enterprise	1,826	1,741	1,209	968	947	1,338
Government payments	-	-	100.0	100.0	-	40.0
Other returns	-	-	-	-	-	-
Total Cow-Calf Revenue	2,239	2,052	1,524	1,243	1,125	1,637
VARIABLE COSTS						
Animal purchases	64.3	48.8	40.0	34.3	35.1	44
Feed (purchase feed, fertiliser, seed, pesticides)	248.2	260.5	261.4	410.4	206.4	277
Machinery (maintenance, depreciation, contractor)	105.2	80.6	50.6	51.6	46.5	67
Fuel, energy, lubricants, water	134.6	139.8	139.9	100.4	71.2	117
Vet & medicine	32.4	32.1	31.5	30.7	30.3	31
Other inputs cow calf enterprise	162.5	154.6	149.1	133.4	121.0	144
Labour						
Paid Labour	57.0	49.6	35.5	38.1	35.5	43
Unpaid Labour	198.9	173.2	124.0	132.8	123.9	151
Total Variable Costs	1,003.1	939.3	832.1	931.6	669.9	875
CAPITAL COSTS						
Insurance, taxes	54.9	52.6	49.4	48.2	46.1	50
Buildings (maintenance, depreciation)	37.4	31.0	20.4	21.4	20.0	26
Land Cost	-	-	-	-	-	
Rented Land	399.5	360.0	319.4	290.9	277.0	329
Own Land	219.0	194.9	170.0	150.9	141.7	175
Capital Costs	-	-	-	-	-	
Liabilities	73.6	73.8	51.1	63.4	66.2	66
Own capital	0.0	0.0	0.0	0.0	0.0	0
Total Capital Costs	784.4	712.4	610.3	574.8	551.0	647
COSTS						
Cash Costs	1,296.5	1,227.7	1,113.3	1,186.5	921.5	1,149
Depreciation Costs	73.1	55.8	35.0	36.2	33.8	47
Opportunity Costs	417.9	368.1	294.0	283.7	265.6	326
Total Production Costs	1,787.5	1,651.6	1,442.4	1,506.4	1,220.9	1,522
Profits	2024	2023	2022	2021	2020	5-yr. avg.
Short-term profit (cash costs)	942.7	824.7	410.6	56.9	203.5	488
Medium-term profit (cash + depreciation)	869.6	768.9	375.6	20.7	169.8	441
Long-term profit (cash + depreciation + opportunity)	451.7	400.8	81.6	(263.0)	(95.8)	115
*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. Producers 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

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 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

tents paid + opportunity cost own land)

Land: separated into owned and rented land, includes both crop and pastureland. Land costs = Rents paid + calculated land rents forown 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 I and 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 degreciation costs between AgriProfit\$ and the CDN COP Network primarily comes from the use of specific (AgriP rofit\$) 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 c osts 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,

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 Capital: The opportunity costs of about are the calculated wage for family labour, either on-family allow, either on-family allow, it is important to indeed that 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.

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)	2024	2023	2022	2021	2020	5 yr. avg
Pounds Weaned	67,648	67,648	67,648	67,648	67,648	67,648
Average male and female weaning weight (lbs)	708	708	708	708	708	708
Average male and female calf price at weaning (\$/lb)	3.62	3.43	2.38	1.91	1.86	2.64
REVENUE						-
Cow Calf Operation	4.47	4.10	3.04	2.48	2.25	3.27
Cull animals and slaughter receipts	0.83	0.62	0.43	0.35	0.36	0.52
Breeding livestock receipts	-	-	-	-	-	-
Calf Sales and transfer to retained ownership enterprise	3.64	3.47	2.41	1.93	1.89	2.67
Government payments	-	-	0.20	0.20	-	0.08
Other returns	-	-	-	-	-	-
Total Cow-Calf Revenue	4.47	4.10	3.04	2.48	2.25	3.27
VARIABLE COSTS						-
Animal purchases	0.13	0.10	0.08	0.07	0.07	0.09
Feed (purchase feed, fertiliser, seed, pesticides)	0.50	0.52	0.52	0.82	0.41	0.55
Machinery (maintenance, depreciation, contractor)	0.21	0.16	0.10	0.10	0.09	0.13
Fuel, energy, lubricants, water	0.27	0.28	0.28	0.20	0.14	0.23
Vet & medicine	0.06	0.06	0.06	0.06	0.06	0.06
Other inputs cow calf enterprise	0.32	0.31	0.30	0.27	0.24	0.29
Labour						
Paid Labour	0.11	0.10	0.07	0.08	0.07	0.09
Unpaid Labour	0.40	0.35	0.25	0.26	0.25	0.30
Total Variable Costs	2.0	1.9	1.7	1.9	1.3	1.7
CAPITAL COSTS						
Insurance, taxes	0.11	0.10	0.10	0.10	0.09	0.10
Buildings (maintenance, depreciation)	0.07	0.06	0.04	0.04	0.04	0.05
Land Cost						
Rented Land	0.80	0.72	0.64	0.58	0.55	0.66
Owned Land	0.44	0.39	0.34	0.30	0.28	0.35
Capital Costs						
Liabilities	0.15	0.15	0.10	0.13	0.13	0.13
Own capital	0.00	0.00	0.00	0.00	0.00	0.00
Total Capital Costs	1.6	1.4	1.2	1.1	1.1	1.3
COSTS						
Cash Costs	2.59	2.45	2.22	2.37	1.84	2.29
Depreciation Costs	0.15	0.11	0.07	0.07	0.07	0.09
Opportunity Costs	0.83	0.73	0.59	0.57	0.53	0.65
Total Production Costs	3.57	3.30	2.88	3.01	2.44	3.04
Profits	2024	2023	2022	2021	2020	5-yr. avg.
Short-term profit (cash costs)	1.88	1.65	0.82	0.11	0.41	0.97
Medium-term profit (cash + depreciation)	1.74	1.53	0.75	0.04	0.34	0.88
Long-term profit (cash + depreciation + opportunity)	0.90	0.80	0.16	(0.52)	(0.19)	0.23

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. Producers 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

nadol. 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 forown 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 AgriProfitS and the CDN COP Network primarily comes from the use of specific (AgriP rofitS) versus generic (CDN COP Network) allocation. Where generic allocation results in machinery depreciation used claused 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 c osts 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, 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 pro duction 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

interconvenition's explaisace as writing a person with refer the person of the person



