

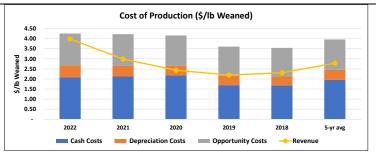
Farm Summary

Farm Characteristics	CA-SK-11b
Farm Description	A cow-calf operation with 160 cows, utilizing predominantly homegrown feed.
Winter Feeding Ration (Ibs/cow/day as fed)	165 days on barley silage (38 lb), hay (10 lb) and greenfeed (9lb)
Retained Ownership/Replacement Ration (lb/head/day as fed)	Replacements: 213 days on barley silage(30 lb), hay (5 lb) and pellets (4 lb)
	This benchmark is based on 4 farms of data; outliers were excluded as required. Canfax Research Services (CRS) tries to provide quality

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Environment	
Average Annual Temperature	2.5° C
Average Annual Precipitation (mm)	350-400
Ecoregion	Mixed Grassland
Stocking Rate (Animal Unit days per acre)	28
Fertilize Hay (yes/no)	No
Fertilize Pasture (yes/no)	No
Typical Hay Yield (tonnes/acre)	1.3
Grassland Acres (owned+rented)	2,229
Crop Acres (includes hay) (owned+rented)	342
Bush and other acres	0



Physical Performance Indicators

	Angus, Simmental,
Breed	Hereford, Charolais
Cow:Bull Ratio	27:1
Bull Culling Rate (%)	17%
Mature Cow Weight (lb)	1,450
Heifer Retention for a steady herd (%)	10%
Cow Death Loss (%)	1.3%
Cow Culling Rate (%)	9.0%
Calves alive after 24hr/100 Cows exposed	93
Calf Death Loss (%) 24 hr to weaning	2%
Calves weaned per 100 cows exposed	91
Total Liveweight Sold per Cow (lb)	667
Weaning Weight (lb)	629
205 day adjusted Weaning Weight (lb)	587
Average Daily Gain pre-weaning (lb)	2.45
Weaning Weight as % of Cow Weight	43%

160

165

2.1%

13%

N/A

N/A

N/A

0

0

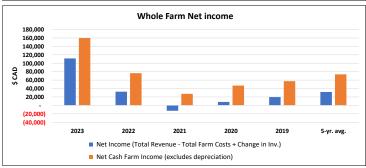
February 13 October 13

October 13

Replacements

0 0

	2022	2021	2020	2019	2018	5-yr avg
	Cash Costs	Depreci	ation Costs	Opportunity Cos	ts — Revenue	2
		Cost	of Productio	n (\$/Cow)		
2,500.0						
2,000.0						
1,500.0				- 11-		-
[℃] 1,000.0	_					
500.0	_	_			_	
-						
	2023	2022	2021	2020	2019	5-yr. avg.
	Cash Costs	Deprec	iation Costs	Opportunity Costs	Revenue	



Days on feed Days on grass Footnotes

Production System

Calving Start date Weaning date

Retained ownership

% of feed purchased

Placement weight (lbs)

% of land in crops

Sale Weight (lbs)

Days on full winter feed

Days on field feeding (e.g. swath grazing) Days supplemented on pasture

Annual sales Retained Cattle (head)

Herd size

Sale date

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	Destadores	Culd Culo Dubits		N/A		
Herd Size 160 Paid Labour (livestock only) (hours) 186		Beef Animals	Sold from Retaine	ed Ownership	N/A		
Unpaid Labour (livestock only) (hours)	2,933						
Average wages - paid and unpaid (\$/hr)	25.40						
Revenue		2023	2022	2021	2020	2019	5-yr. av
Market Revenue	5-yr avg	318,298	222,792	178,552	175,054	184,205	215,780
Cow-Calf	93%	318,298	222,792	178,552	175,054	184,205	215,78
Cash Crops Retained Ownership	0% 0%	-	-	-	-	-	-
Government Payments	3%	-	16,000	16,000	-	-	6,40
Other Farm Revenue +	4%	10,040	10,001	10,000	10,002	10,015	10,01
Total Revenue	100%	328,338	248,793	204,552	185,055	194,220	232,192
Change in Inventory		-	-	-	-	-	-
Expenses		2023	2022	2021	2020	2019	5-yr. av
Depreciation		48,292	43,844	40,233	38,785	37,828	41,79
Machinery		24,228	21,063	18,931	18,279	17,670	20,034
Buildings		24,064	22,780	21,302	20,506	20,158	21,762
Quota econ. Accounting		-	-	-	-	-	-
Overhead costs		55,983	55,215	49,165	45,591	45,923	50,375
Land improvement		4,467	4,374	4,167	4,046	4,045	4,219
Machinery Maintenance		10,695	10,736	10,614	10,334	10,212	10,518
Buildings Maintenance		2,518	2,407	2,206	2,136	2,162	2,286
Contract labour		4,293	4,434	4,210	4,061	3,940	4,18
Diesel, Gasoline, Natural Gas		6,537	7,868	5,779	4,358	5,426	5,994
Electricity		7,903	5,466	3,315	2,439	2,387	4,30
Water		-	-	-	-	-	-
Farm insurance		6,801	7,025	6,670	6,434	6,242	6,63
Disability and accident insurance		1,281	1,323	1,256	1,212	1,176	1,25
Farm taxes and duties		5,640	5,825	5,530	5,335	5,176	5,50
Advisor costs		-	-	-	-	-	-
Accountant & legal fees		1,839	1,900	1,804	1,740	1,688	1,794
Phone & utilities		3,256	3,133	2,934	2,839	2,818	2,99
Other overhead costs		753	725	679	657	652	69.
Wages, rent and interest payments		40,920	45,424	39,071	33,519	31,460	38,07
Paid Labour		5,012	5,176	4,914	4,741	4,599	4,888
Total land rents		21,894	20,407	19,229	18,658	18,262	19,690
Total Interest on debt		14,014	19,840	14,927	10,121	8,599	13,500
Cow-Calf		39,274	37,649	59,030	32,093	30,343	39,678
Animal purchases		6,533	6,533	6,533	6,533	6,533	6,53
Purchased feed		16,687	15,480	38,150	12,196	11,065	18,716
Other fixed and var. costs *		16,053	15,636	14,347	13,364	12,744	14,429
Retained Ownership		-	-	-	-	-	-
Animal purchases		-	-	-	-	-	-
Purchased feed		-	-	-	-	-	-
Other fixed and var. costs *		-	-	-	-	-	-
Crop and forage		32,320	34,111	29,834	26,788	28,987	30,408
Seed		8,382	7,297	7,518	7,140	7,786	7,62
Fertilizer Herbicide		12,926 1,458	14,043 1,813	12,219 1,642	11,198 1,568	11,457 1,497	12,369 1,590
Fungicide & Insecticide		616	616	616	616	616	610
Irrigation		-	-	-	-	-	-
Contract labour Fuel costs (crop & forage)		388 5,660	400 7,160	380 4,855	367 3,379	356 4,773	378 5,165
Other crop and forage		2,890	2,782	2,605	2,520	2,502	2,660
Total Farm Costs (excludes unpaid labour)		216,788	216,242	2,003	176,777	174,541	2,000
Cash Costs (Total Farm Costs - Depreciation)		168,497	172,398	177,100	137,991	136,713	158,54
Depreciation & Opportunity Costs (including		122,795	118,347	114,736	113,289	112,331	116,30
Total Economic Costs (cash, depr, opportuni		291,292	290,746	291,836	251,280	249,044	274,840
Profits		2023	2022	2021	2020	2019	5-yr. av
Net Income (Total Revenue - Total Farm Costs + 0	Change in Inv)	111,550	32,551	(12,780)	8,279	19,679	31,850
Net Cash Farm Income (excludes depreciation)	shange in illy.	159,801	76,393	27,452	47,063	57,492	73,640

+ 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*	160	160	160	160	160	160
Average male and female calf price (\$/head)	2,157	1,495	1,199	1,172	1,231	1,451
REVENUE	·					
Cow Calf	1,989	1,492	1,216	1,094	1,151	1,389
Cull animals and slaughter receipts	261	192	155	155	165	186
Breeding livestock receipts	-	-	-	-	-	-
Calf Sales and transfer to retained ownership enterprise	1,728	1,200	961	940	986	1,163
Government payments	-	100.0	100.0	-	-	40.0
Other returns	-	-	-	-	-	-
Total Cow-Calf Revenue	1,989	1,492	1,216	1,094	1,151	1,389
VARIABLE COSTS						
Animal purchases	40.8	40.8	40.8	40.8	40.8	41
Feed (purchase feed, fertiliser, seed, pesticides)	296.4	290.0	418.2	245.5	243.5	299
Machinery (maintenance, depreciation, contractor)	240.1	219.2	202.2	195.5	190.9	210
Fuel, energy, lubricants, water	122.9	124.5	84.2	61.3	76.1	94
Vet & medicine	44.2	41.7	38.6	35.2	30.8	38
Other inputs cow calf enterprise	88.9	87.7	80.5	76.7	76.9	82
Labour						
Paid Labour	30.4	31.0	29.1	28.0	27.3	29
Unpaid Labour	459.7	468.7	440.3	424.3	412.7	441
Total Variable Costs	1,323.3	1,303.6	1,333.8	1,107.4	1,099.1	1,233
CAPITAL COSTS						
Insurance, taxes	86.9	89.1	84.1	81.1	78.8	84
Buildings (maintenance, depreciation)	161.1	150.7	139.1	133.9	132.3	143
Land Cost	-	-	-	-	-	
Rented Land	136.8	127.5	120.2	116.6	114.1	123
Own Land	208.5	198.5	190.6	186.8	184.1	194
Capital Costs	-	-	-	-	-	
Liabilities	84.9	119.0	88.7	59.8	51.0	81
Own capital	123.2	119.9	120.6	114.9	110.4	118
Total Capital Costs	801.5	804.8	743.4	693.1	670.7	743
COSTS						
Cash Costs	1,040.7	1,059.0	1,087.6	845.2	838.4	974
Depreciation Costs	292.6	262.3	238.1	229.3	224.2	249
Opportunity Costs	791.4	787.1	751.5	726.0	707.2	753
Total Production Costs	2,124.8	2,108.4	2,077.2	1,800.5	1,769.9	1,976
Profits	2023	2022	2021	2020	2019	5-yr. avg.
Short-term profit (cash costs)	948.6	433.4	128.3	248.9	312.9	414
Medium-term profit (cash + depreciation)	656.0	171.2	(109.8)	19.6	88.6	165
Long-term profit (cash + depreciation + opportunity) *Model Maintains a stable herd size	(135.5)	(615.9)	(861.3)	(706.4)	(618.6)	(588)

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

reduction of carrype or minima and memory and back of carrype or minima and memory and the second of carrype or minima and the second of carrype or minima and memory and the second of carrype or minima and memory and the second of carrype or minima and memory and the second of carrype or minima and memory and the second of carrype or minima and memory and the second of carrype or minima and memory second of the second of carrype or minima and the second of the sec 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

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	79,804	79,804	79,804	79,804	79,804	79,804
Average male and female weaning weight (lbs)	629	629	629	629	629	
Average male and female calf price at weaning (\$/lb)	3.43	2.38	1.91	1.86	1.96	2.31
REVENUE						
Cow Calf Operation	3.99	2.99	2.44	2.19	2.31	2.78
Cull animals and slaughter receipts	0.52	0.39	0.31	0.31	0.33	0.37
Breeding livestock receipts	-	-	-	-	-	-
Calf Sales and transfer to retained ownership enterprise	3.47	2.41	1.93	1.88	1.98	2.33
Government payments	-	0.20	0.20	-	-	0.08
Other returns	-	-	-	-	-	-
Total Cow-Calf Revenue	3.99	2.99	2.44	2.19	2.31	2.78
VARIABLE COSTS						
Animal purchases	0.08	0.08	0.08	0.08	0.08	0.08
Feed (purchase feed, fertiliser, seed, pesticides)	0.59	0.58	0.84	0.49	0.49	0.60
Machinery (maintenance, depreciation, contractor)	0.48	0.44	0.41	0.39	0.38	0.42
Fuel, energy, lubricants, water	0.25	0.25	0.17	0.12	0.15	0.19
Vet & medicine	0.09	0.08	0.08	0.07	0.06	0.08
Other inputs cow calf enterprise	0.18	0.18	0.16	0.15	0.15	0.16
Labour						
Paid Labour	0.06	0.06	0.06	0.06	0.05	0.06
Unpaid Labour	0.92	0.94	0.88	0.85	0.83	0.88
Total Variable Costs	2.7	2.6	2.7	2.2	2.2	2.5
CAPITAL COSTS						
Insurance, taxes	0.17	0.18	0.17	0.16	0.16	0.17
Buildings (maintenance, depreciation)	0.32	0.30	0.28	0.27	0.27	0.29
Land Cost						
Rented Land	0.27	0.26	0.24	0.23	0.23	0.25
Owned Land	0.42	0.40	0.38	0.37	0.37	0.39
Capital Costs						
Liabilities	0.17	0.24	0.18	0.12	0.10	0.16
Own capital	0.25	0.24	0.24	0.23	0.22	0.24
Total Capital Costs	1.6	1.6	1.5	1.4	1.3	1.5
COSTS						
Cash Costs	2.09	2.12	2.18	1.69	1.68	1.95
Depreciation Costs	0.59	0.53	0.48	0.46	0.45	0.50
Opportunity Costs	1.59	1.58	1.51	1.46	1.42	1.51
Total Production Costs	4.26	4.23	4.16	3.61	3.55	3.96
Profits	2023	2022	2021	2020	2019	5-yr. avg
Short-term profit (cash costs)	1.90	0.87	0.26	0.50	0.63	0.83
Medium-term profit (cash + depreciation)	1.32	0.34	(0.22)	0.04	0.18	0.33
Long-term profit (cash + depreciation + opportunity)	(0.27)	(1.23)	(1.73)	(1.42)	(1.24)	(1.18

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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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