

What is the Cost of an Assisted Calving on Canadian Cow-Calf Operations?

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Importance

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Negative consequences of cows and calves after an assisted calving can lead to an economic loss due to:

- Morbidity
- Mortality
- Fertility losses
- Production losses

What We Found

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Dam Parity	Calving ease score	(%)	Expected Cost	Expected Revenue	Expected Profit
Heifer	Assisted	4%	\$1,463.34	\$1,235.91	-\$277.43
	Unassisted	95%	\$1,212.35	\$1,136.25	-\$76.11
	Difference		\$ 250.99	\$99.67	-\$151.32
Cow	Assisted	2%	\$1,374.11	\$1,307.04	-\$67.06
	Unassisted	98%	\$1,270.66	\$1,390.78	\$120.12
	Difference		\$103.44	-\$83.74	-\$187.18

What We Did

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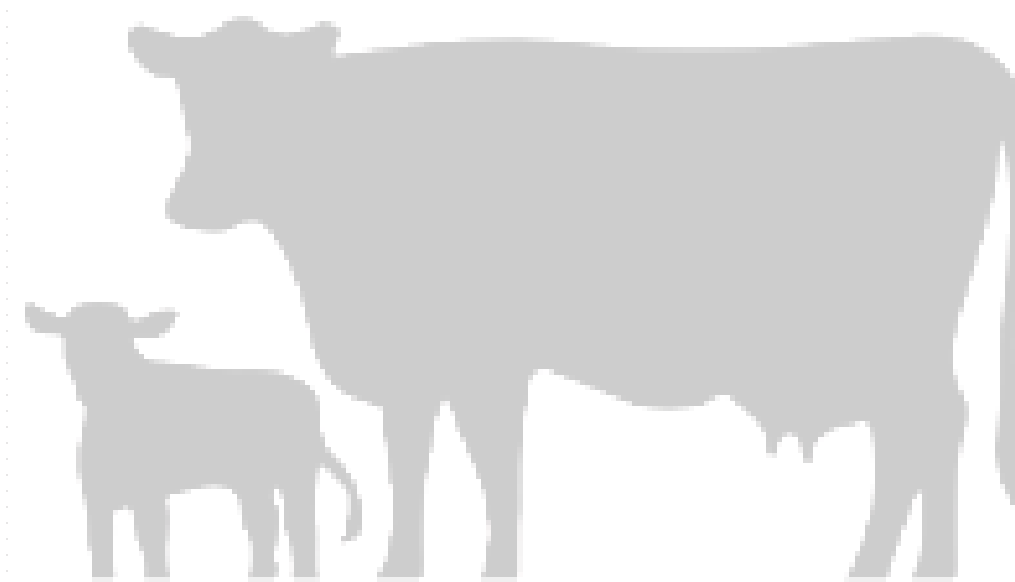
Modified decision tree model with:

Historical records

- 7 cow-calf operations
- 2015-2020

Published inputs

- Revenue
- Production cost
- Treatment cost
- Veterinary service



Take Home Message

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Assisted heifers and cows with their calves:



Lost revenue from:

- Mortality in assisted calves and cows
- Weaning weight differences