BC-6 Future Farm Summary

	Rotational Grazing, Reduce Winter Feed	Rotational Grazing, Reduce Winter Feed, BCCAF	Rotational Grazing, Reduce Winter Feed, BCCAF, Increased Weaning Weight
Description	Extend grazing season through rotational grazing.	Extend grazing season through rotational grazing with cost-share with the BC Climate Agri-Solutions Fund (BCCAF).	Extend grazing season through rotational grazing with cost-share with the BC Climate Agri-Solutions Fund (BCCAF). Increase weaning weight through adding an off-source watering system.
Assumptions	• Invest $11,000 in a portable electric fencing system in the first year • Invest $13,023 in a solar-powered pump and shallow pipeline watering system with existing water source • Watering system maintenance cost at $100/year • Improve stocking rate by 10% • Winter feeding days reduce by 18 days from 185 to 167 days • Add 58 unpaid family labour hours (additional labour for rotational grazing, partly offset by reduced labour required for winter feed) • Fuel cost for winter feeding reduce by $502 per year • Assume off-source water access before adding water pipelines • Calf weaning weights are unaffected by grazing method • Surplus forage production stock up for carry-over	• Invest $11,000 in a portable electric fencing system in the first year • Invest $13,023 in a solar-powered pump and shallow pipeline watering system with existing water source • Watering system maintenance cost at $100/year • Improve stocking rate by 10% • Winter feeding days reduce by 18 days from 185 to 167 days • Add 58 unpaid family labour hours (additional labour for rotational grazing, partly offset by reduced labour required for winter feed) • Fuel cost for winter feeding reduce by $502 per year • Assume off-source water access before adding water pipelines • Calf weaning weights are unaffected by grazing method • Surplus forage production stock up for carry-over • $16,816 funding from BCCAF (70% cost-share within maximum of $20,000)*	• Invest $11,000 in a portable electric fencing system in the first year • Invest $13,023 in a solar-powered pump and shallow pipeline watering system with existing water source • Watering system maintenance cost at $100/year • Improve stocking rate by 10% • Winter feeding days reduce by 18 days from 185 to 167 days • Add 58 unpaid family labour hours (additional labour for rotational grazing, partly offset by reduced labour required for winter feed) • Fuel cost for winter feeding reduce by $502 per year • Calf weaning weights are unaffected by grazing method • Surplus forage production stock up for carry-over • $16,816 funding from BCCAF (70% cost-share within maximum of $20,000)* • Assume cattle had direct water access before adding water pipelines • Additional average daily gain of 0.1 lb per calf • Heifer weaning weight up from 449 to 517 lbs, steer weaning weight up from 536 to 553 lb • Price slides due to heavier weaning weights are -$2.20/cwt for heifer calves, -$2.20/cwt for steer calves (Based on BC price slides in Oct 2022 from 5-600lb to 6-700lb categories, adjusted by additional weight gains)

*Assumption only. Actual costs may vary from project to project, depending on individual circumstances. More detailed information will be required in the actual application process to accurately determine eligibility. https://bccaf.ca/

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	Rotational Grazing, Reduce Winter Feed	Rotational Grazing, Reduce Winter Feed, BCCAF	Rotational Grazing, Reduce Winter Feed, BCCAF, Increased Weaning Weight
Trade-Off Considerations	• Additional labour for rotational grazing • Upfront capital or equity position required to invest in new fencing and watering system • $/head cost decreases with increasing herd size • Stocking rate improvements vary by location, weather, soil type, age of stand, previous grazing management, etc. • Infrastructure restrictions on rented land	• Additional labour for rotational grazing • Upfront capital or equity position required to invest in new fencing and watering system • $/head cost decreases with increasing herd size • Stocking rate improvements vary by location, weather, soil type, age of stand, previous grazing management etc. • Infrastructure restrictions on rented land	• Additional labour for rotational grazing • Upfront capital or equity position required to invest in new fencing system • $/head cost decreases with increasing herd size • Stocking rate improvements vary by location, weather, soil type, age of stand, previous grazing management, etc. • Infrastructure restrictions on rented land • Cattle price per lb may decrease due to price slide on heavier sale weight
	5-year average vs. baseline year*		
Estimated Change at Whole Farm Level ($/year)			
Net Income	-$1,729	+$2,076	+$3,265
Net Cash Farm Income	-$1,738	+$2,066	+$3,254
Estimated Change at Cow-calf Enterprise ($/cow)			
Short-term Profits	-$47	+$56	+$88
Medium-term Profits	-$47	+$56	+$88
Long-term Profits	-$75	+$28	+$60

BC-6 Future Farm Summary

	Buy Bred Heifers	Reduced Overhead
Description	Change from raising to buying bred heifers	Reduce overhead to the lowest of the group
Assumptions	• All heifer calves sold as weaners. • Percent of Female calves sold as weaners change from 71% to 100% • Purchase 5 bred heifers • Bred heifer at $2735/head (2023 avg) • Reduce total vet & med cost by 11%	• Total fixed cost reduced from $17,178/year to $10,905/year for the whole farm by reducing costs in land improvements, maintenance of machinery, building and facilities, diesel for vehicles, utility, farm insurance, accounting and office expenses
Trade-Off Considerations	• Have less control over the genetics of the herd • Purchased heifers may not be adapted to the ranch environment	• Requires a thoughtful and strategic approach to ensure that cost reduction efforts do not compromise the long-term sustainability and success of the farm
	5-year average vs. baseline year**	
Estimated Change at Whole Farm Level ($/year)		
Net Income	-$6,621	+$7,324
Net Cash Farm Income	-$6,624	+$7,312
Estimated Change at Cow-calf Enterprise ($/cow)		
Short-term Profits	-$179	+$198
Medium-term Profits	-$179	+$198
Long-term Profits	-$179	+$198

** Changes in profitability come from the practice change as well as debt servicing

Detailed reports available upon request. Email: info@canfax.ca