

## QC-6 Future Farm Summary

	Rotational Grazing	Rotational Grazing OFCAF	Rotational Grazing, OFCAF, Increased Weaning Weight
<b>Description</b>	Extend grazing season through rotational grazing.	Extend grazing season through rotational grazing with cost-share with the On-farm Climate Action Fund.	Extend grazing season through rotational grazing with cost-share with the On-farm Climate Action Fund. Increase weaning weight through adding an off-source watering system.
<b>Assumptions</b>	<ul style="list-style-type: none"> <li>• Invest \$13,000 in a portable electric fencing system in the first year</li> <li>• Assume cattle had off-source water access before adding water pipelines</li> <li>• Invest \$12,457 in a solar-powered pump and shallow pipeline watering system with existing water source</li> <li>• Watering system maintenance cost at \$100/year</li> <li>• Improve stocking rate by 10%</li> <li>• Shorten full winter feed days from 200 to 184 days</li> <li>• Add 52 unpaid family labour hours (additional labour for rotational grazing, partly offset by reduced labour requirement for winter feed)</li> <li>• Fuel cost for winter feeding reduce by \$557 per year</li> <li>• Calf weaning weights are unaffected by grazing method</li> <li>• Surplus forage production stock up for carry-over</li> </ul>	<ul style="list-style-type: none"> <li>• Invest \$13,000 in a portable electric fencing system in the first year</li> <li>• Assume cattle had off-source water access before adding water pipelines</li> <li>• Invest \$12,457 in a solar-powered shallow pipeline watering system with existing water source</li> <li>• 70% cost-shared with On-farm Climate Action Fund (OFCAF) on \$20,000 of the additional cost*</li> <li>• Watering system maintenance cost at \$100/year</li> <li>• Improve stocking rate by 10%</li> <li>• Shorten full winter feed days from 200 to 184 days</li> <li>• Add 52 unpaid family labour hours (additional labour for rotational grazing, partly offset by reduced labour requirement for winter feed)- Fuel cost for winter feeding reduce by \$557 per year</li> <li>• Calf weaning weights are unaffected by grazing method</li> <li>• Surplus forage production stock up for carry-over</li> </ul> <p><b>*Assumption only. Actual application must meet <a href="#">program requirements</a>.</b></p>	<ul style="list-style-type: none"> <li>• Invest \$13,000 in a portable electric fencing system in the first year</li> <li>• Assume cattle had direct water access before adding water pipelines</li> <li>• Invest \$12,457 in a solar-powered pump and shallow pipeline watering system with existing water source</li> <li>• 70% cost-shared with On-farm Climate Action Fund (OFCAF) on \$20,000 of the additional cost*</li> <li>• Watering system maintenance cost at \$100/year</li> <li>• Improve stocking rate by 10%</li> <li>• Shorten full winter feed days from 200 to 184 days</li> <li>• Add 52 unpaid family labour hours (additional labour for rotational grazing, partly offset by reduced labour requirement for winter feed)</li> <li>• Fuel cost for winter feeding reduce by \$557 per year</li> <li>• Additional average daily gain of 0.1 lb per calf</li> <li>• Heifer weaning weight up from 529 to 548 lb, steer weaning weight up from 546 to 565 lb</li> <li>• Backgrounded heifer sell weight up from 654 lb to 673 lb, backgrounded steer sell weight up from 696 lb to 715 lb</li> <li>• Surplus forage production stock up for carry-over</li> </ul> <p><b>*Assumption only. Actual application must meet <a href="#">program requirements</a>.</b></p>



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<b>Trade-Off Considerations</b>	<ul style="list-style-type: none"> <li>Additional labour for rotational grazing</li> <li>Upfront capital or equity position required to invest in new fencing and watering system</li> <li>\$/head cost decreases with increasing herd size</li> <li>Stocking rate improvements vary by location, weather, soil type, age of stand, previous grazing management, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Additional labour for rotational grazing</li> <li>Upfront capital or equity position required to invest in new fencing and watering system</li> <li>\$/head cost decreases with increasing herd size</li> <li>Stocking rate improvements vary by location, weather, soil type, age of stand, previous grazing management etc.</li> </ul>	<ul style="list-style-type: none"> <li>Additional labour for rotational grazing</li> <li>Upfront capital or equity position required to invest in new fencing system</li> <li>\$/head cost decreases with increasing herd size</li> <li>Stocking rate improvements vary by location, weather, soil type, age of stand, previous grazing management, etc.</li> <li>Cattle price per lb may decrease due to price slide on heavier sale weight</li> </ul>
<b>5-year average vs. baseline year**</b>			
<b>Estimated Change at Whole Farm Level (\$/year)</b>			
Net Income	-\$9,237	-\$6,404	-\$8,968***
Net Cash Farm Income	-\$9,237	-\$6,404	-\$8,968***
<b>Estimated Change at Cow-calf Enterprise (\$/cow)</b>			
Short-term Profits	-\$29	-\$12	+\$14
Medium-term Profits	-\$29	-\$12	+\$11
Long-term Profits	-\$23	-\$5	+\$10

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

\*\*\* Reduced market revenue despite heavier weaning weights as backgrounded steer sell weight change from the 6-700 lb to 7-800 lb category receiving a lower price per lb

Detailed reports available upon request. Email: [info@canfax.ca](mailto:info@canfax.ca)

