

## AB-8 Future Farm Summary

	Rotational Grazing, Reduce Winter Feed	Rotational Grazing, Reduce Winter Feed, OFCAF	Rotational Grazing, Reduce Winter Feed, OFCAF, Increased Weaning Weight
<b>Description</b>	Extend grazing season through rotational grazing, reduce winter feeding costs.	Extend grazing season through rotational grazing with cost-share with the On-farm Climate Action Fund and reduce winter feed costs.	Extend grazing season through rotational grazing with cost-share with the On-farm Climate Action Fund and reduce winter feed costs. 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 \$18,500 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 238 to 225 days</li> <li>• Add 40 unpaid family labour hours (additional labour for rotational grazing, partly offset by reduced labour required for winter feed)</li> <li>• Fuel cost for winter feeding reduce by \$300 per year</li> <li>• Assume off-source water access before adding water pipelines</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 \$18,500 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>• 85% cost-shared with On-farm Climate Action Fund (OFCAF)*</li> <li>• Improve stocking rate by 10%</li> <li>• Shorten full winter feed days from 238 to 225 days (additional labour for rotational grazing, partly offset by reduced labour required for winter feed)</li> <li>• Add 40 unpaid family labour hours</li> <li>• Fuel cost for winter feeding reduce by \$300 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 direct water access before adding water pipelines</li> <li>• Invest \$18,500 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>• 85% cost-shared with On-farm Climate Action Fund (OFCAF)*</li> <li>• Improve stocking rate by 10%</li> <li>• Shorten full winter feed days by 5% from 238 to 225 days</li> <li>• Add 40 unpaid family labour hours (additional labour for rotational grazing, partly offset by reduced labour required for winter feed)</li> <li>• Fuel cost for winter feeding reduce by \$300 per year</li> <li>• Additional average daily gain of 0.1 lb per calf</li> <li>• Heifer weaning weight up from 600 to 620 lbs, steer weaning weight up from 633 to 653 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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	Rotational Grazing	Rotational Grazing OFCAF	Rotational Grazing, OFCAF, Increased Weaning Weight
<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> <li>Infrastructure restrictions on rented land</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> <li>Infrastructure restrictions on rented land</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>Infrastructure restrictions on rented land</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	+ \$4,962	+ \$11,302	+ \$15,480
Net Cash Farm Income	+ \$4,959	+ \$11,299	+ \$15,477
<b>Estimated Change at Cow-calf Enterprise (\$/cow)</b>			
Short-term Profits	+ \$7	+ \$40	+ \$70
Medium-term Profits	+ \$7	+ \$40	+ \$69
Long-term Profits	+ \$7	+ \$39	+ \$65



## AB-8 Future Farm Summary

	Off-source Watering System without a New Well	Off-source Watering System with a New Well	Off-source Watering System with a New Well, Cost-shared
<b>Description</b>	Increase weaning weight through adding an off-source watering system, using existing water source.	Increase weaning weight through adding an off-source watering system. Need a new well.	Increase weaning weight through adding an off-source watering system. Need a new well. Cost shared with the Water Program of the Canadian Agricultural Partnership.
<b>Assumptions</b>	<ul style="list-style-type: none"> <li>Add a solar-powered pump system, initial cost at \$7,500</li> <li>Maintenance cost of the water system at \$100 per year</li> <li>Additional average daily gain of 0.1 lb per calf</li> <li>Heifer weaning weight up from 600 to 620 lbs, steer weaning weight up from 633 to 653 lb</li> </ul>	<ul style="list-style-type: none"> <li>Add a solar-powered pump system and a new well, initial cost at \$20,500</li> <li>Maintenance cost of the water system at \$100 per year</li> <li>Additional average daily gain of 0.1 lb per calf</li> <li>Heifer weaning weight up from 600 to 620 lbs, steer weaning weight up from 633 to 653 lb</li> </ul>	<ul style="list-style-type: none"> <li>Add a solar-powered pump system and a new well, initial cost at \$20,500</li> <li>25% cost-shared up to a maximum of \$5,000 with the Water Program of the Canadian Agricultural Partnership (CAP)*</li> <li>Maintenance cost of the water system at \$100 per year</li> <li>Additional average daily gain of 0.1 lb per calf</li> <li>Heifer weaning weight up from 600 to 620 lbs, steer weaning weight up from 633 to 653 lb</li> </ul> <p><b>*Assumption only. Actual application must meet <a href="#">program requirements</a>.</b></p>
<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> <li>Infrastructure restrictions on rented land</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> <li>Infrastructure restrictions on rented land</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>Infrastructure restrictions on rented land</li> <li>Cattle price per lb may decrease due to price slide on heavier sale weight</li> </ul>

## AB-8 Future Farm Summary

	Off-source Watering System without a New Well	Off-source Watering System with a New Well	Off-source Watering System with a New Well, Cost-shared
5-year average vs. baseline year**			
<b>Estimated Change at Whole Farm Level (\$/year)</b>			
Net Income	+\$14,871	+\$11,771	+\$12,955
Net Cash Farm Income	+\$14,868	+\$11,768	+\$12,952
<b>Estimated Change at Cow-calf Enterprise (\$/cow)</b>			
Short-term Profits	+\$42	+\$25	+\$31
Medium-term Profits	+\$41	+\$23	+\$30
Long-term Profits	+\$35	+\$18	+\$24

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

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

