

## MB-3b 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 \$16,529 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 190 days to 175 days</li> <li>• Add 59 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 \$348 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>• Assume cattle had off-source water access before adding water pipelines</li> <li>• Invest \$16,529 in a solar-powered pump and shallow pipeline watering system with existing water source</li> <li>• \$22,653 funding from the Prairie Watersheds Climate Program (PWCP) with the On-farm Climate Action Fund (OFCAF)*</li> <li>• Watering system maintenance cost at \$100/year</li> <li>• Improve stocking rate by 10%</li> <li>• Shorten full winter feed days from 190 days to 175 days</li> <li>• Add 59 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 \$348 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 PWCP <a href="#">program requirements</a>.</b> Producers should call their local delivery agent for more details and assistance on applications.</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 \$16,529 in a solar-powered shallow pipeline watering system with existing water source</li> <li>• \$22,653 funding from the Prairie Watersheds Climate Program (PWCP) with the On-farm Climate Action Fund (OFCAF)*</li> <li>• Watering system maintenance cost at \$100/year</li> <li>• Improve stocking rate by 10%</li> <li>• Shorten full winter feed days from 190 days to 175 days</li> <li>• Add 59 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 \$548 per year</li> <li>• Additional average daily gain of 0.12 lb per calf</li> <li>• Heifer weaning weight up from 437 lb to 460 lbs, steer weaning weight up from 452 lb to 475 lb</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 PWCP <a href="#">program requirements</a>.</b> Producers should call their local delivery agent for more details and assistance on applications.</p>



## MB-3a Future Farm Summary

	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	-\$2,065	+\$3,368	+\$10,684
Net Cash Farm Income	-\$2,065	+\$3,369	+\$10,686
<b>Estimated Change at Cow-calf Enterprise (\$/cow)</b>			
Short-term Profits	-\$4	+\$13	+\$44
Medium-term Profits	-\$4	+\$13	+\$43
Long-term Profits	-\$6	+\$12	+\$41

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

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