

QC-7 Future Farm Summary

	Rotational Grazing	Rotational Grazing OFCAF	Rotational Grazing, OFCAF, Increased Weaning Weight
Description	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.
Assumptions	<ul style="list-style-type: none"> • Invest \$13,000 in a portable electric fencing system in the first year • Assume cattle had off-source water access before adding water pipelines • Invest \$12,511 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% • Shorten full winter feed days from 200 to 184 days • 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 • Calf weaning weights are unaffected by grazing method • Surplus forage production stock up for carry-over 	<ul style="list-style-type: none"> • Invest \$13,000 in a portable electric fencing system in the first year • Assume cattle had off-source water access before adding water pipelines • Invest \$12,511 in a solar-powered shallow pipeline watering system with existing water source • 70% cost-shared with On-farm Climate Action Fund (OFCAF) on \$20,000 of the additional cost* • Watering system maintenance cost at \$100/year • Improve stocking rate by 10% • Shorten full winter feed days from 200 to 184 days • 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 • Calf weaning weights are unaffected by grazing method • Surplus forage production stock up for carry-over <p>*Assumption only. Actual application must meet program requirements.</p>	<ul style="list-style-type: none"> • Invest \$13,000 in a portable electric fencing system in the first year • Assume cattle had direct water access before adding water pipelines • Invest \$12,511 in a solar-powered pump and shallow pipeline watering system with existing water source • 70% cost-shared with On-farm Climate Action Fund (OFCAF) on \$20,000 of the additional cost* • Watering system maintenance cost at \$100/year • Improve stocking rate by 10% • Shorten full winter feed days from 200 to 184 days • 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 • Additional average daily gain of 0.1 lb per calf • Heifer weaning weight up from 535 to 555 lbs, steer weaning weight up from 553 to 572 lb • Calf weaning weights are unaffected by grazing method • Backgrounded heifer sell weight up from 715 lb to 735 lb, backgrounded steer sell weight up from 743 lb to 762 lb • Surplus forage production stock up for carry-over <p>*Assumption only. Actual application must meet program requirements.</p>



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Trade-Off Considerations	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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. 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	+\$6,928	+\$9,753	+\$16,108
Net Cash Farm Income	+\$6,925	+\$9,748	+\$16,099
Estimated Change at Cow-calf Enterprise (\$/cow)			
Short-term Profits	+\$28	+\$41	+\$70
Medium-term Profits	+\$28	+\$41	+\$69
Long-term Profits	+\$28	+\$41	+\$67

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

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