

ON-5 Future Farm Summary

	Increase Cow Culling Rate to 13.5%	Increase Cow Culling Rate to 20%
Description	Increase cow culling rate from 10.3% to 13.5%	Increase cow culling rate from 10.3% to 20%
Assumptions	<ul style="list-style-type: none"> • Increase cow culling rate from 10.3% to 13.5% for both mobs • Reduced % of heifer transferred to finishing enterprise from 50% to 40% • Keep heifers sold for breeding steady with the baseline at 6 head • Number of heifers transferred to the finishing enterprise change from 12 head to 10 head • Total number of cattle sold at the finishing enterprise change from 36 to 34 • Keep cull cow weight and sale dates steady with baseline • Feed requirements for the cow-calf enterprise increase by about 3%, due to increase number of replacement heifers • Feed requirement for the finishing enterprise reduced due to lower heifer number • Shift 0.75 acres of corn for feed to corn for sale • Increase silage acres allocated to the cow-calf enterprise, and decrease those acres allocated to finishing enterprise • Steady pasture acres with baseline 	<ul style="list-style-type: none"> • Increase cow culling rate from 10.3% to 20% for both mobs • Reduced % of heifer transferred to finishing enterprise from 50% to 35% • Keep heifers sold for breeding steady with the baseline at 6 head • Number of heifers in the finishing enterprise change from 12 head to 8 head • Total number of cattle sold at the Fin enterprise change from 36 to 32 • Keep cull cow weight and sale dates steady with baseline • Feed requirements for the cow-calf enterprise increase by about 6%, due to increase number of replacement heifers • Feed requirement for the finishing enterprise reduced due to lower heifer number • Shift 1.7 acres of corn for feed to corn for sale • Increase hay and silage acres allocated to the cow-calf enterprise, and decrease those acres allocated to finishing enterprise • Steady pasture acres with baseline
Trade-Off Considerations	<ul style="list-style-type: none"> • Decrease cow productive years on the farm • Higher turnover of cows could result in genetic issue if culling selection was not appropriate • When making culling decisions, it is important to assess culling reasons vs. market value of replacement heifers 	<ul style="list-style-type: none"> • Decrease cow productive years on the farm • Higher turnover of cows could result in genetic issue if culling selection was not appropriate • When making culling decisions, it is important to assess culling reasons vs. market value of replacement heifers

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5-year average vs. baseline year*		
Estimated Change at Whole Farm Level (\$/year)		
Net Income	+\$2,503	+\$1,976
Net Cash Farm Income	+\$2,394	+\$1,867
Estimated Change at Cow-calf Enterprise (\$/cow)		
Short-term Profits	+\$17	+\$18
Medium-term Profits	+\$11	+\$7
Long-term Profits	+\$0	-\$23

* Changes in profitability come from the practice change as well as debt servicing. Improve profitability for these two scenarios is primarily influenced by the reduction in interest payments over the course of time.

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