

SK-3 Future Farm Summary

	Shorten Winter Feeding Period	Water System
Description	Extend grazing season through rotational grazing	Increase average daily gain through adding water system
Assumptions	<ul style="list-style-type: none"> Invest \$8,900 in a portable electric fencing system in the first year Fencing system depreciate by 5% per year Improve stocking rate by 10% from 8 AUs/ac to 9 AUs/ac Shorten full winter feed days by 11% from 165 days to 147 days Add 60 total unpaid family labour hours (assumes additional 3 hours/week required for grazing management, partially offset by reduced labour hours (1.5 hour per day) from a shorter winter feeding period) Calf weaning weights are unaffected by grazing method 	<ul style="list-style-type: none"> Add a solar-powered pump system, initial cost at \$12,000 (including a new well, a stock tank, a solar powered pump, and a home-made portable water trough) The water system depreciates by 10% per year Maintenance cost of the water system at \$50/yr Additional average daily gain at 0.12 lb per calf Heifer weaning weight up from 549 to 571 lbs, steer weaning weight up from 567 to 589 lb
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 system Additional fencing and labour costs on a per head basis are affected by herd size Stocking rate improvements vary by location, weather and previous grazing management 	<ul style="list-style-type: none"> Upfront capital required to invest in new watering system Water system cost on a per head basis affected by herd size (higher \$/head cost for smaller herd)
	5-year average vs. baseline year*	
Estimated Change at Whole Farm Level (\$/year)		
Net Income	+\$5,701	+\$11,799
Net Cash Farm Income	+\$3,537	+\$10,417
Estimated Change at Cow-calf enterprise (\$/cow)		
Short-term Profits	+\$24	+\$42
Medium-term Profits	+\$22	+\$37
Long-term Profits	+\$16	+\$29

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

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