

ON-3 Future Farm Summary

	Corn Grazing	Corn Stover Grazing	Corn Stover Grazing, Sell Hay
Description	Add one month of corn grazing period to reduce full winter-feeding days and sell surplus hay.	Add one month of corn stover grazing on rented field to reduce full winter-feeding days.	Add one month of corn stover grazing on rented field to reduce full winter-feeding days and sell surplus hay.
Assumptions	<ul style="list-style-type: none"> • Add 30 days of fall corn grazing from late October to late November for cows • Supplemented with 3 lb of hay per cow per day to prevent grain overload • Assume 250 cow-days per acre for corn grazing • 6 acres of land are needed for corn grazing (50 cows for 30 days) • Operating Expenses for producing standing corn at \$765/acre • Full winter-feeding days reduce from 165 days to 135 days • Reduce land on hay by 7 acres and silage by 5 acres • 6 acres are turned into corn grazing land • The rest 6 acres produce hay for sell at \$194/tonne • Reduce unpaid labour hours by 25 hours (reduce labour for full winter feeding partially offset by labour for moving cattle every 3 days on corn grazing) • Additional \$3,022 cost for fences and water 	<ul style="list-style-type: none"> • Add 30 days of fall corn grazing from late October to late November for cows • Supplemented with 6 lb of hay per cow per day to prevent grain overload • Assume one acres of corn stover provide one cows with enough feed for one month • 50 acres of land is needed for corn stover grazing (50 cows for 30 days) • Rental rate at \$21/acres for corn stock grazing • Full winter-feeding days reduce from 165 days to 135 days • Land required production reduced by 7 acres for hay and 4 acres for silage • Surplus hay and silage are stocked up for carry-over • Reduce unpaid labour hours by 25 hours (reduce labour for full winter feeding partially offset by labour for moving cattle every 3 days on corn grazing) • Assume fences and water are available on the rented field 	<ul style="list-style-type: none"> • Add 30 days of fall corn grazing from late October to late November for cows • Supplemented with 6 lb of hay per cow per day to prevent grain overload • Assume one acres of corn stover provide one cows with enough feed for one month • 50 acres of land is needed for corn stover grazing (50 cows for 30 days) • Rental rate at \$21/acres for corn stock grazing • Full winter-feeding days reduce from 165 days to 135 days • Land required production reduced by 7 acres for hay and 4 acres for silage • Surplus hay is sold at \$194/tonne • Reduce unpaid labour hours by 25 hours (reduce labour for full winter feeding partially offset by labour for moving cattle every 3 days on corn grazing) • Assume fences and water are available on the rented field



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Trade-Off Considerations	<ul style="list-style-type: none"> • Preferable to use corn varieties selected for grazing or silage as they have higher forage content and higher forage digestibility's compared to grain varieties • Need a backup plan or have some extra feed source • Higher cost of crop inputs, especially in 2021-2022 • Risk of acidosis • It's important to introduce cows to corn grazing slowly so they can acclimatize • When grazing in December, forage digestibility will be lower due to crop maturity, but it is a good time to graze as the ground should be frozen • Animals must be strip grazed and allocated only 2 – 3 days' worth of grazing to force cows to graze the whole plant • Whole plant analysis is recommended to determine if there is any need for supplementation 	<ul style="list-style-type: none"> • Restricted by location (land availability for corn stover grazing, fences, and water resource) • Yields and rental rates for corn stover grazing can vary widely 	<ul style="list-style-type: none"> • Restricted by location (land availability for corn stover grazing, fences, and water resource) • Yields and rental rates for corn stover grazing can vary widely
5-year average vs. baseline year*			
Estimated Change at Whole Farm Level (\$/year)			
Net Income	-\$7,645	-\$695	+\$2,690
Net Cash Farm Income	-\$7,645	-\$695	+\$2,690
Estimated Change at Cow-calf Enterprise (\$/cow)			
Short-term Profits	-\$148	No change	+\$30
Medium-term Profits	-\$148	No change	+\$45
Long-term Profits	-\$117	+\$23	+\$97

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

Detailed reports available upon request. Email: info@canfax.ca

