

## MT-2 Future Farm Summary

	Calving Distribution 1	Calving Distribution 2	AI
<b>Description</b>	Increase weaning weight by shortening calving season to 3 cycles	Increase weaning weight by adjusting to calving distribution of 70-20-10	Implement estrus synchronization and artificial insemination
<b>Assumptions</b>	<ul style="list-style-type: none"> <li>Shorten calving season from 78 days to 63 days</li> <li>Change calving distribution from 55-21-15-9 to 60-23-16 over five years</li> <li>Increase heifer weaning weight 2% from 578 to 587 lbs</li> <li>Increase steer weaning weight 2% from 620 to 630 lbs</li> </ul>	<ul style="list-style-type: none"> <li>Shorten calving season from 78 days to 63 days</li> <li>Change calving distribution from 55-21-15-9 to 70-20-10 over five years</li> <li>Increase heifer weaning weight 3% from 578 to 595 lbs</li> <li>Increase steer weaning weight 3% from 620 to 638 lbs</li> </ul>	<ul style="list-style-type: none"> <li>Increase AI from 0% to 100%</li> <li>Remove bull</li> <li>Add \$50/head fixed-time AI cost to variable cost</li> <li>Conception rate steady with baseline</li> </ul>
<b>Trade-Off Considerations</b>	<ul style="list-style-type: none"> <li>Cattle price per lb may decrease due to price slide on heavier sale weight</li> <li>Calving seasons can be shortened by pulling the bulls five days earlier each year, this slow change avoids a drop in conception rates.</li> <li>Front loading the calving season can be done by breeding heifers 2-4 weeks ahead of the cow herd.</li> <li>Other options that require a cash investment include: heat synchronizing, artificial insemination and adjusting the cow:bull ratio.</li> </ul>	<ul style="list-style-type: none"> <li>Cattle price per lb may decrease due to price slide on heavier sale weight</li> <li>Calving seasons can be shortened by pulling the bulls five days earlier each year, this slow change avoids a drop in conception rates.</li> <li>Front loading the calving season can be done by breeding heifers 2-4 weeks ahead of the cow herd.</li> <li>Other options that require a cash investment include: heat synchronizing, artificial insemination and adjusting the cow:bull ratio.</li> </ul>	<ul style="list-style-type: none"> <li>Additional cost for fixed-time AI and reduced income from selling cull bulls offset cost saved on bull purchase and maintenance</li> </ul>

## MT-2 Future Farm Summary

	Calving Distribution 1	Calving Distribution 2	AI
	5-year average vs. baseline year*		
<b>Estimated Change at Whole Farm Level (\$/year)</b>			
Net Income	+\$2,298	+\$2,514	-\$488
Net Cash Farm Income	+\$2,297	+\$2,513	-\$489
<b>Estimated Change at Cow-calf Enterprise (\$/cow)</b>			
Short-term Profits	+\$55	+\$60	-\$14
Medium-term Profits	+\$54	+\$59	-\$10
Long-term Profits	+\$53	+\$58	-\$4

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

Detailed reports available upon request. Email: [info@canfax.ca](mailto:info@canfax.ca)

