

<b>Title of case study</b>	<b>Adapting to climate change through changing growing patterns and spreading risks</b>
<b>Name of organization(s)</b>	<b>Meinert Enterprises</b>
<b>Business sector</b>	Agriculture
<b>Region(s) relevant to case study</b>	<input type="checkbox"/> All regions <input type="checkbox"/> Africa and the Arab States <input type="checkbox"/> Asia and the Pacific <input type="checkbox"/> Caribbean and Central America <input type="checkbox"/> Europe <input type="checkbox"/> Least Developed Countries <input checked="" type="checkbox"/> North America <input type="checkbox"/> Polar regions <input type="checkbox"/> Small Island Developing States <input type="checkbox"/> South America
<b>Country(s) relevant to case study</b>	Canada
<b>Adaptation sector(s) relevant to case study</b>	<input type="checkbox"/> Business <input type="checkbox"/> Education and training <input checked="" type="checkbox"/> Food security, agriculture, forestry and fisheries <input type="checkbox"/> Human health <input type="checkbox"/> Oceans and coastal areas <input type="checkbox"/> Science, assessment, monitoring and early warning <input type="checkbox"/> Terrestrial ecosystems <input type="checkbox"/> Tourism <input type="checkbox"/> Transport, infrastructure and human settlements <input checked="" type="checkbox"/> Water resources <input type="checkbox"/> Other (please specify):
<b>Adaptation activity</b>	<p>Meinert Enterprises is a southwestern Saskatchewan agriculture operation concerned with dryland farming. Meinert produces cereals, pulses, and forages in a continental climate on approximately 6,000 acres of land. Conditions are semi-arid and challenging due to both annual and seasonal variability and unpredictable frosts.</p> <p>Typically, there are 110 frost-free days, an average of 15 inches of moisture and an abundance of sunlight in the region. Noting that farm decisions must include managing several factors at once, challenges include economic risks related to interest rates, dollar value, energy costs, and the</p>

	<p>need to maintain a consistent cash flow in a highly variable environment related to marketing and income. Uncertainty in these factors is exacerbated with the uncertainty in climate and weather conditions. In recent years, the major concerns pertain to moisture levels.</p> <p>Meinert Enterprises employs several farm practices to lessen the negative effects from moisture deficits including: trapping snow with stubble from the crops (some crops leave more desirable stubble than others); diversifying crops to include those with greater drought resistance, varying maturation lengths, and different stubble heights; enhanced early moisture infiltration; and employing crop rotation to improve soil quality.</p>
<b>Cost-benefit</b>	<p>Meinert employs different strategies for managing farm finances in light of climate/economic risks. In addition to the changes in its farm practices mentioned above, these strategies include taking part in income stabilization programs, buying crop insurance, and earning off-farm income.</p>
<b>Case study source(s)</b>	<p><a href="#"><u>Case Studies and Tools: A Systematic Review of the Literature on Business Adaptation to Climate Change (Network for Business Sustainability)</u></a></p>
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