This is our story

The Canadian agriculture industry produces some of the most sustainable, high-quality crops and food in the world. Plant science innovations help farmers to do more with less while keeping food affordable for Canadians and driving growth throughout the economy.

Building healthier communities

Canadian farmers are growing more food on less land, using less resources. Plant breeding alone has driven a 50% increase in crop productivity over the last century ensuring Canadians have access to a steady food supply.

Plant science innovations reduce food loss and waste, from farm to table, by combating diseases, insects and weeds.

Food prices 45%

Without plant science innovations prices would be 45% higher on average for many food staples, an increase of $4,500 annually per Canadian household.

Protecting our environment

Thanks in part to plant science innovations, more farmers have been able to adopt conservation tillage and no-till farming. Modern agricultural practices are helping reduce greenhouse gas emissions, address climate change concerns and support biodiversity.

- The carbon sequestration and fuel savings from no-till and conservation tillage practices saved an estimated 20 billion kgs of greenhouse gas emissions from being released into the atmosphere between 1996 and 2018, which is equivalent to removing about 13 million cars from the road for a year.

- Between 1985 and 2019, Saskatchewan's crop production sector reduced its greenhouse gas emissions by an incredible 98%, largely due to increased conservation and no-till practices.

- Almost 34 million acres are maintained in a natural state (untouched by agriculture) due to increased production on existing farmland. This is the same amount of space as about 25 million football fields.

No-till cropland
58%

Canadian farmers continue to increase their no-till acres, enabled in part through plant science technologies, with 19 of our 33 million cropland acres (58%) being no-till in 2016.

Growing our economy

Modern plant breeding and crop protection products help improve productivity and revenues for Canada's farmers and create jobs and economic growth throughout the country.

Farmers would grow $9.2 billion less worth of crops a year without plant science innovations. This includes field crops, potatoes, fruits and vegetables.

$7.7B + **$460M** + **$1B** ≈ $**9.2B**

Looking for more information? Visit HelpingCanadaGrow.ca