

Social license and modern food production

Ted Menzies – president, CropLife Canada March 12, 2015



• What is *Social License*?

- -Social license refers to the level of public *trust* granted to a corporate entity or industry sector by the community at large and its key consumer base
- -Public trust is the belief that activities are consistent with social expectations and the values of stakeholders, and earned through industry engagement, operating practices, and expressed values
- -Social license is slow to build, but can erode quickly
- -Industry tacitly garners this public trust by 'doing what is right'.





































































Representing the Canadian developers, manufacturers and distributors of pest control products and products of plant biotechnology.

People, planet, prosperity

Plant protection products and plant biotechnology contribute to three pillars of sustainability



People

Access to safe nutritious & affordable food

Planet

Reduce the environmental impact of ag.

Prosperity

Better yields and quality = overall economic benefits

FARMERS TODAY PRODUCE

262% MORE FOOD WITH

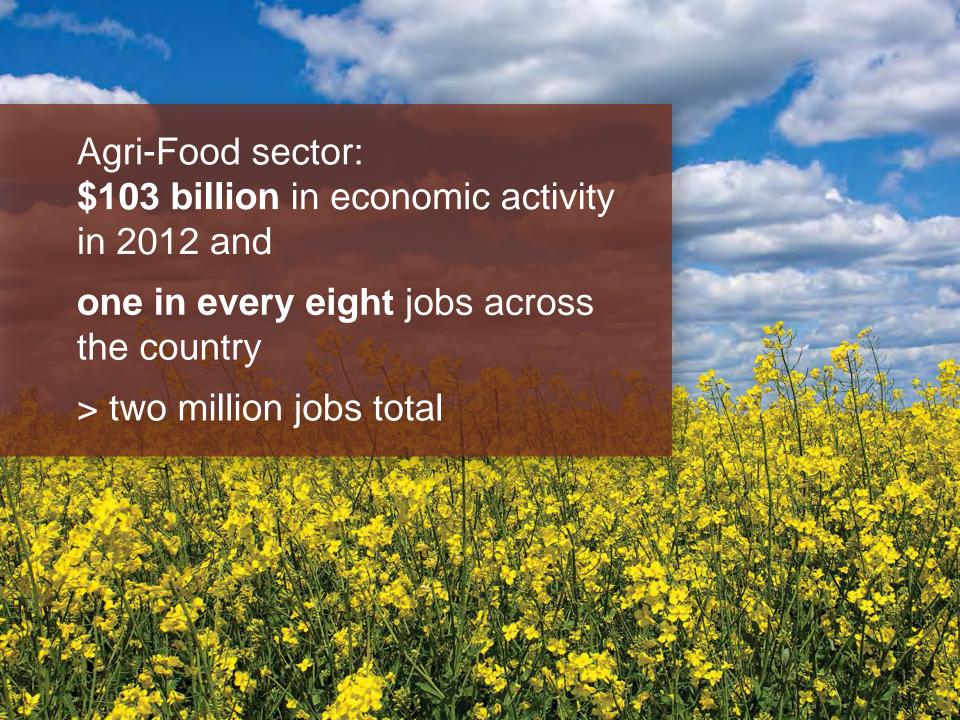
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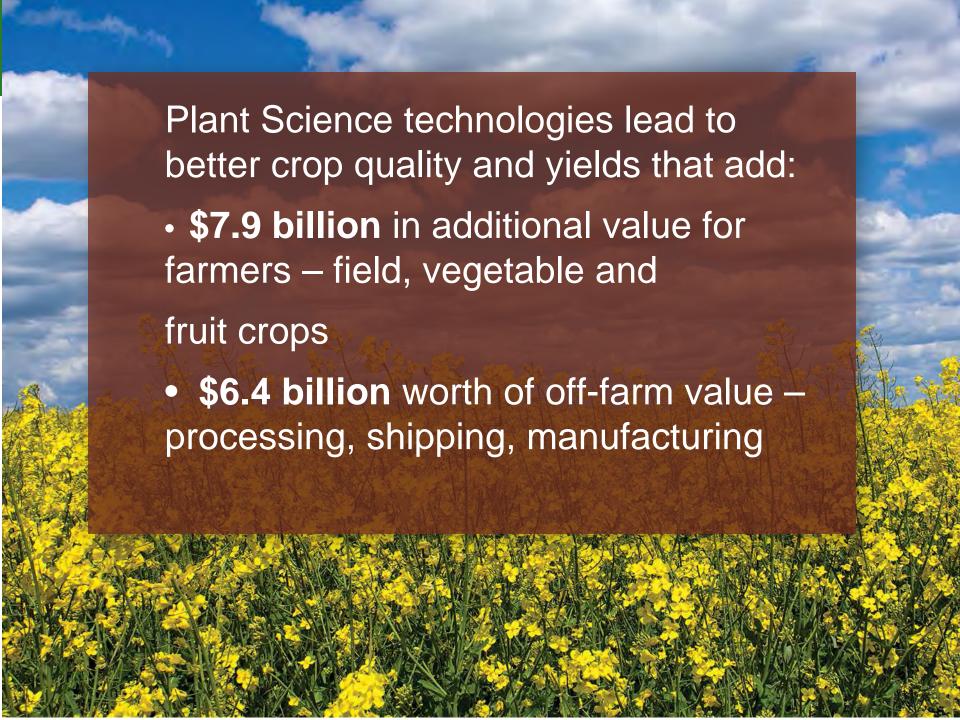
FEWER INPUTS

(such as seeds, labor, fertilizers)

THAN THEY DID IN 1950.







British Columbia

Horticultural crops

\$210 million boost from crop protection products



Prairies

Grains, oilseeds, pulse and specialty crops

Total value – \$17 billion



Ontario

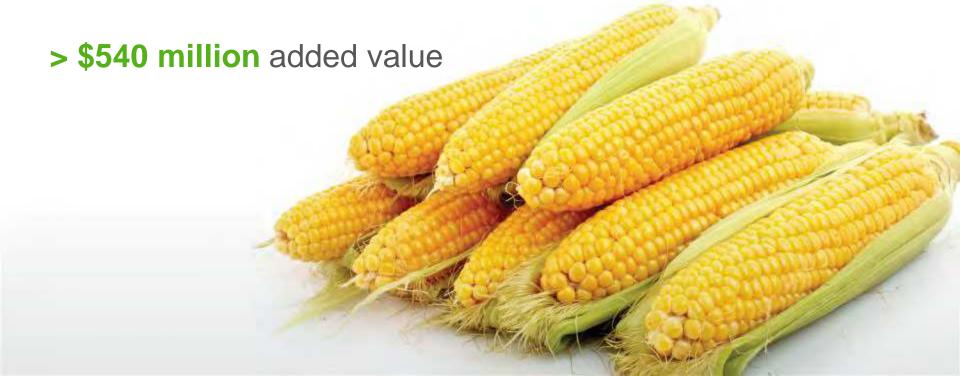
Major crops - corn, cereals, soybeans and horticultural

\$1.2 billion additional value



Quebec

Diverse ag sector; corn and soybeans; plus - cereals, fruit, veg and potatoes



Atlantic Provinces

Potatoes, fruits, and various grains

> \$280 million extra for farmers







Who else benefits?

\$385 million in extra tax revenue for federal, provincial and municipal governments through increased productivity. This money goes to support things like:

- HospitalsLibraries

Schools

Roads

- Police services
- Recreational facilities





More crop per acre means more room for nature! Without crop protection products and plant biotechnology, Canada would need to turn 37 million more acres into farmland to produce what it does today

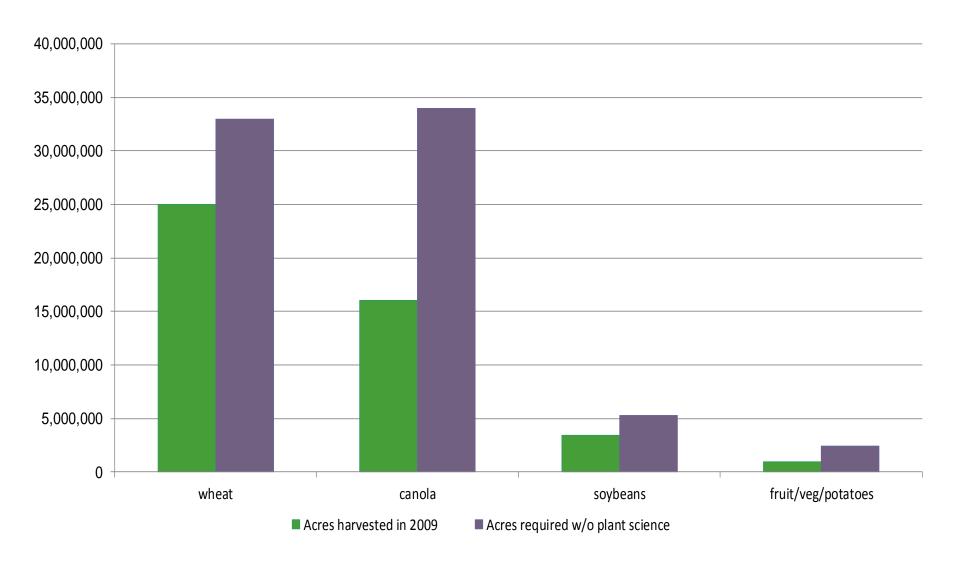


According to Ducks Unlimited Canada, Protecting wetlands is important:

- Filter our water and help provide clean, secure water sources
- Provide environmental and societal value
 by moderating the effects of droughts, floods, climate change, and erosion
- Are essential habitat for as many as 600 species of wildlife in Canada.
- Have the potential to remove and store greenhouse gases



Land use impacts



The prairies before....

Thanks to conservation tillage practices:

 Farmers have top-soil rich in organic matter, resistant to wind and water erosion, and better able to absorb and retain moisture.











Where we're headed

Consumer benefits

Foods with disease-fighting properties like:

- Tomatoes rich in lycopene
- Corn and soybeans with increased Vitamin C and E

Foods that stay fresher, longer or which have enhanced flavour:

- Sweeter peppers and peas
- Apples, tomatoes, potatoes, bananas and melons with reduced
 - browning, bruising and longer shelf life

Remove the allergenic proteins from peanuts, soybeans and milk

Are pesticides and plant biotechnology safe?

Canada's regulatory regime is world-renowned:

Plant protection products undergo a comprehensive scientific review and safety assessment by Health Canada before being approved for use

Modern plant varieties also undergo extensive safety reviews by the Canadian Food Inspection Agency (CFIA) and Health Canada

Health Canada's top priority is safety of Canadians

CropLife Members share this responsibility