

Industrial Hemp Overview

**Industrial Hemp Opportunities Workshop
Information Session
St. Michael Hall**

February 7, 2018

Alberta Agriculture and Forestry

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What is Industrial Hemp?



Industrial hemp is cannabis that contains **0.3% tetrahydrocannabinol (THC)** or less in the flowering heads and leaves.

Regulated crop, requires Health Canada licenses for some activities.

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The Cannabis Act (Canada)

Cannabis Act was enacted on **October 17, 2018**.

It includes cannabis (high THC) for medical and recreation use and industrial hemp (low THC).



Cannabis Act includes two new regulations:

- [Cannabis Regulations](#)
- [Industrial Hemp Regulations](#)
- The new [Industrial Hemp Regulations](#) under the Cannabis Act set out the requirements for cultivators of industrial hemp.

Industrial Hemp Regulations

Obtain license under Cannabis Act, Industrial Hemp Regulations to conduct the following activities for industrial hemp:

- Cultivate industrial hemp
- Sell industrial hemp
- Import or export seed or grain
- Possess seed or grain for the purpose of cleaning it
- Possess grain for the purpose of processing it
- To obtain seed by preparing it.

Hemp chaff (flowers, leaves and stems) can only be sold by producers to [Licensed cultivators, processors and sellers of cannabis under the Cannabis Act](#)

Extraction of CBD or other phytocannabinoids from the flowering heads, leaves and branches and sales requires a cannabis processing license

The logo for the province of Alberta, featuring the word "Alberta" in a white, cursive script font. The logo is positioned on the left side of a decorative banner that spans the width of the slide. The banner has a background of various shades of green and yellow, with abstract, overlapping geometric shapes that resemble leaves or a stylized landscape.

Licensing - How To Apply

A license for industrial hemp is required for: cultivation, sale, importation, exportation, cleaning, preparing and processing

Consult the Industrial Hemp Licensing Application Guide

[-https://www.canada.ca/en/health-canada/services/publications/drugs-health-products/industrial-hemp-licensing-application-guide.html](https://www.canada.ca/en/health-canada/services/publications/drugs-health-products/industrial-hemp-licensing-application-guide.html)

Industrial hemp license application must be created, submitted and if necessary withdrawn through the Cannabis Tracking and Licensing System (CTLS). Email hc.hemp-chanvre.sc@Canada.ca to obtain a copy of the CTLS: User Guide for Industrial Hemp License Applications

Both cannabis and industrial hemp licences are applied for through the Cannabis Tracking and Licensing System (CTLS), a one entry window system through a secure web portal.

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Cannabis Regulations

-The legal production and sale of edible cannabis, cannabis extracts and cannabis topicals will be permitted no later than October 17, 2019.

-Health Canada is [consulting the public](#) on proposed amendments to the Cannabis Regulations that would enable licensed processors to produce and sell three new classes of cannabis: edible cannabis, cannabis extracts and cannabis topicals.

-This consultation opened on December 20, 2018. It will close on February 20, 2019.

-<https://www.canada.ca/en/health-canada/programs/consultation-strict-regulation-edible-cannabis-extracts-topicals.html>

Email: cannabis@canada.ca

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Crop Insurance

Irrigated Hemp is insurable under Annual Production Insurance Program

- Coverage is restricted to Risk Areas 2, 3, 4 and 5.
- Producers need active annual crop production insurance contract with insured acres in the current year

Dryland hemp seed as well as **dryland and irrigated hemp fibre** are covered under “New Crop Insurance Initiative (NCII)” in eligible coverage areas.

- NCII provides protection to new and non-traditional crops
- Producers need active annual crop production insurance contract with insured acres in the current year; may be eligible for hail endorsement.

Please contact AFSC or your insurance broker for details.

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Snapshot of Current Industry

Still small, emerging industry

Food market current driver

Canada is a leader in hemp production; large exporter of hemp products, mainly food.

Fibre industry is early stage

Working on gaps in Seed to Sales Supply Chain

Excitement and growth increasing

Whole Plant Use allows expanded revenue streams

Produce CBD (Cannabidiol) & other cannabinoids for health products

Large scale processing for cannabis & hemp

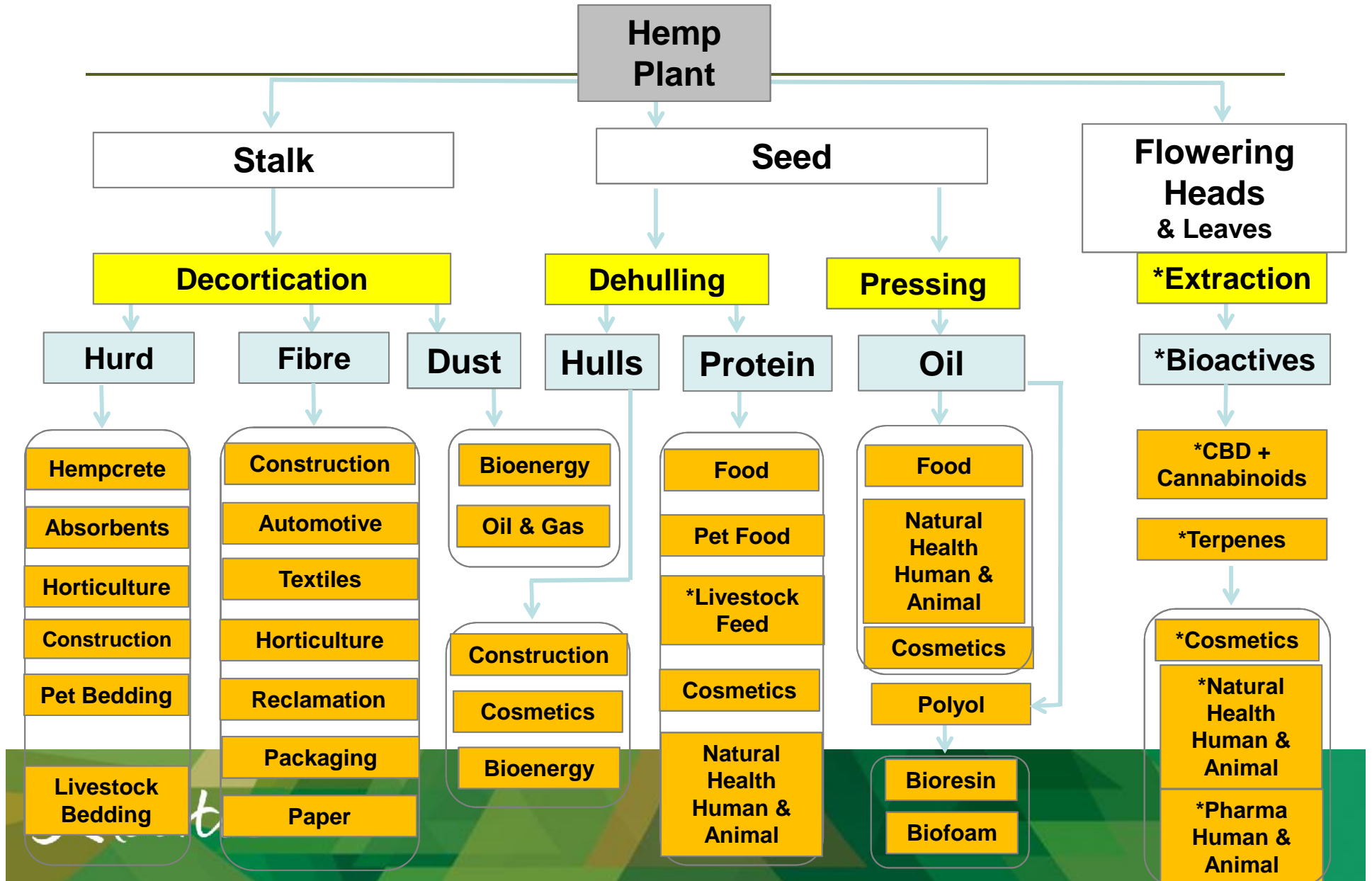
Developing new food products and ingredients for food manufacturing, cosmetics, NNHPs

Hemp fibre and hurd used in construction, automotive, erosion control, horticulture, packaging, textiles

Livestock feed - needs CFIA approval

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Hemp Biorefining Model



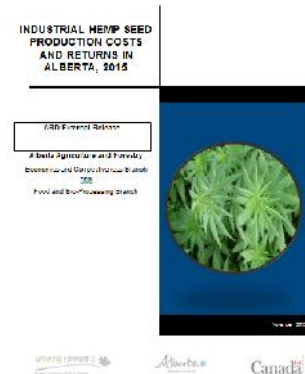
AF's Hemp Industry Resources



Industrial Hemp Enterprise can assist producers with an overview: of industrial hemp industry from regulatory, seeded acreage, marketing, environmental benefits, licensing, growing and harvesting hemp to economics.

Industrial Hemp Cost of Production

Provides 2015 estimated cost of production and returns for dryland and irrigated hemp seed grown in Alberta



Industrial Hemp Harvest and Storage

Outlines growers, processor, and research experiences on the Prairies to help guide harvest and storage practices to ensure quality requirements. Also includes three pre-harvest and harvest videos of industrial hemp in Alberta.

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Innovation - Food & Bioprocessing



Bio Processing Innovation Centre (BPIC) Edmonton

- Pilot Facility & Interim Production, Specializing in biomass processing and product development and Tech Transfer/Extension

Bio Lab: Applied Research, Edmonton

- Bench top development and Analytical



Food Processing Development Centre (FPDC) Leduc

- Fully equipped product development laboratory and pilot plant facility, staffed with experienced food scientists, engineers and technologists



Agrivalue Processing Business Incubator (APBI) Leduc

- Multi-tenant, CFIA registered facility that is dedicated to assisting new food processors scale up/commercialize new products & technologies

Fibre Processing Pilot Plant – Vegreville

- Decortication facility is a catalyst for developing the biomaterial value-added industry in Alberta providing fiber, hurd and dust fractions

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Innovation & Development Programs



Canadian Agriculture Partnership (CAP)

- \$3 billion federal-provincial-territorial investment in the agriculture, agri-food and agri-based products sector; Products to Market, Value-added Products to Market, Emerging Opportunities
- Subscribe to stay informed: <https://cap.alberta.ca/CAP/Subscribe>

Community & Regional Economic Support Program (CARES)

- Supporting economic growth in Alberta's communities, regions and indigenous territories <https://www.alberta.ca/community-regional-economic-support-program.aspx>

Protein Industries Canada (PIC)

Plant Protein Alliance of Alberta (PPAA)

- Pan-Prairie Superclusters Initiative
 - Manufacturing of crop proteins and other crop ingredients in food, beverages, personal care and NHP, pet food, fish food, livestock feed and non-food materials
- <https://www.proteinindustriescanada.ca/>

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INDUSTRIAL HEMP
IN ALBERTA



Alberta Hemp Initiative Projects

Hemp Decortication Facility Enhancements

Hemp Fibre Characterization and BioProducts Development

Hemp Life Cycle Assessment

Bioplastics & Sustainable Packaging

Norquest College – Hemp Farming and Hemp Processing and Products

Updating Good Agricultural Collection Practices & Extension



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Together We Are Stronger

Developing Western Canadian Hemp Industry Part 2

March 15, 2019, Olds College

13th Plant Based Foods Summit 2019

June 3-5, 2019 Calgary

Partners Coming Together

Municipalities, Community Futures, GoA, Innotech Alberta, Universities, Producers, Processors, Associations, Indigenous Communities, Marketing Groups, Service Providers, Funding Providers and Others

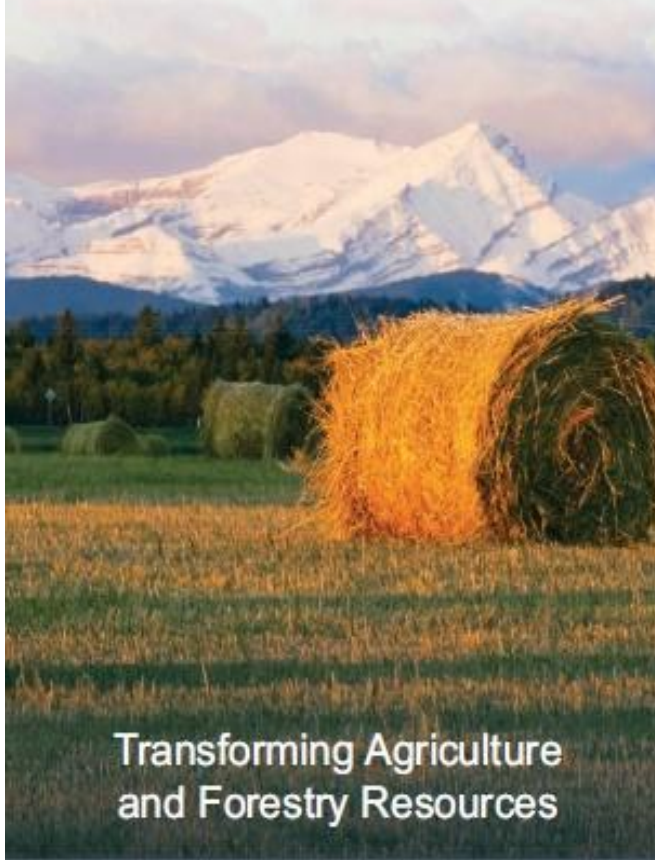


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Advancing Renewable Solutions



Transforming Agriculture
and Forestry Resources

Feedstock Supply | Manufacturing
Market Access

Thank you!

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www.agriculture.alberta.ca

<https://cap.alberta.ca/CAP/>

www.agriculture.alberta.ca/bio-industrial
www.agriculture.alberta.ca/biomaterials

<http://www.agriculture.alberta.ca/fpdc>

<https://innotechalberta.ca/research-facilities/fiber-processing-pilot-plant/>

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