



# Hemp

According to *Watershed Sentinel* magazine, "in Canada, we grow some of the best, longest hemp fibre, specifically in northern Alberta, with long daylight hours."

Right now, Alberta is galvanizing its status as a leader in hemp production, thanks to those long summer growing days. Mackenzie County hemp grows extremely tall, yielding longer high-tensile fibres, renowned for their strength, durability, and resistance to mildew and harmful microbes.

Applications for these fibres are being made in rapid succession, from automotive and building construction to paper and textiles. According to the *Sentinel*, hemp fibre "can, in large part, replace cotton," with significant benefit to the environment.

Mackenzie County's hemp plants do not produce high levels of psychoactive compounds like CBD or THC like those strains grown in more southern climates. Our hemp is fibre hemp.

We'll take it.

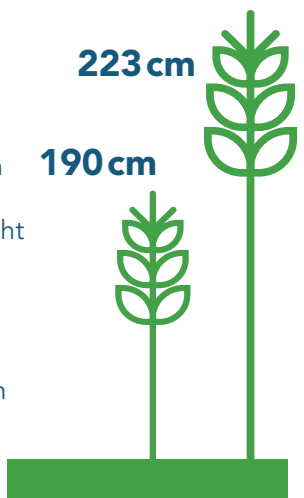




Photo Supplied by MARA

## Facts & Figures on Hemp

According to Manitoba Agriculture, the height of industrial hemp grown on the prairies range from **100 to 190 cm**. The height of hemp seeded in Fort Vermilion ranged from **163 to 223 cm**. This indicates that "northern vigour" plays a key role in increasing the height of hemp grown in Mackenzie County.



Hemp is sensitive to photoperiods; the longer the day, the more fibre produced relative to seed. Northern Alberta's long day length contributes to higher fibre tonnage.

A 2018 MARA study showed fibre yields ranging from **3.8 - 14.6 tonnes/acre** in Mackenzie County. That study also revealed higher height compared to most studies in the prairies, which results in the production of more fibre.



**Growing, Naturally.**

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