

Germplasm and Variety Development of Barley for Alberta and Western Canada

Project overview

This project, facilitated through Alberta Barley's Field Crop Development Centre breeding program, aims to create high yielding and high quality barley varieties for grain, forage and malt use.

Some of the specific objectives of the program are to develop:

- New registered malting and feed varieties with 3-10 % higher grain yield than Synergy and other checks, higher lodging resistance and with acceptable quality
- High-yielding forage varieties with improved quality parameters and higher lodging resistance
- A high level of resistance to leaf diseases and stripe and stem rust
- Acceptable levels of FHB tolerance in the new developed lines as compared to current varieties
- Specific populations with unique traits (resistance to rusts, FHB, grain quality, drought tolerance, strong straw, better malting quality and better beer flavor)