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Challenges Facing Barley Research Investment

- ▶ Numerous organizations involved in research funding
- ▶ Relatively low research funding dollars available
- ▶ Research is long term and expensive

Addressing Research Challenges

Barley Research Coalition

- Est. by the provincial barley commissions in January 2020
- Lead organization for large research initiatives (i.e. Core Breeding Agreements)

National Barley Research Strategy

- Facilitated by BMBRI and BCC
- “Resource” for the industry
- Completion December 2020
- Modelled after the Barley Development Council research document discontinued in 2011

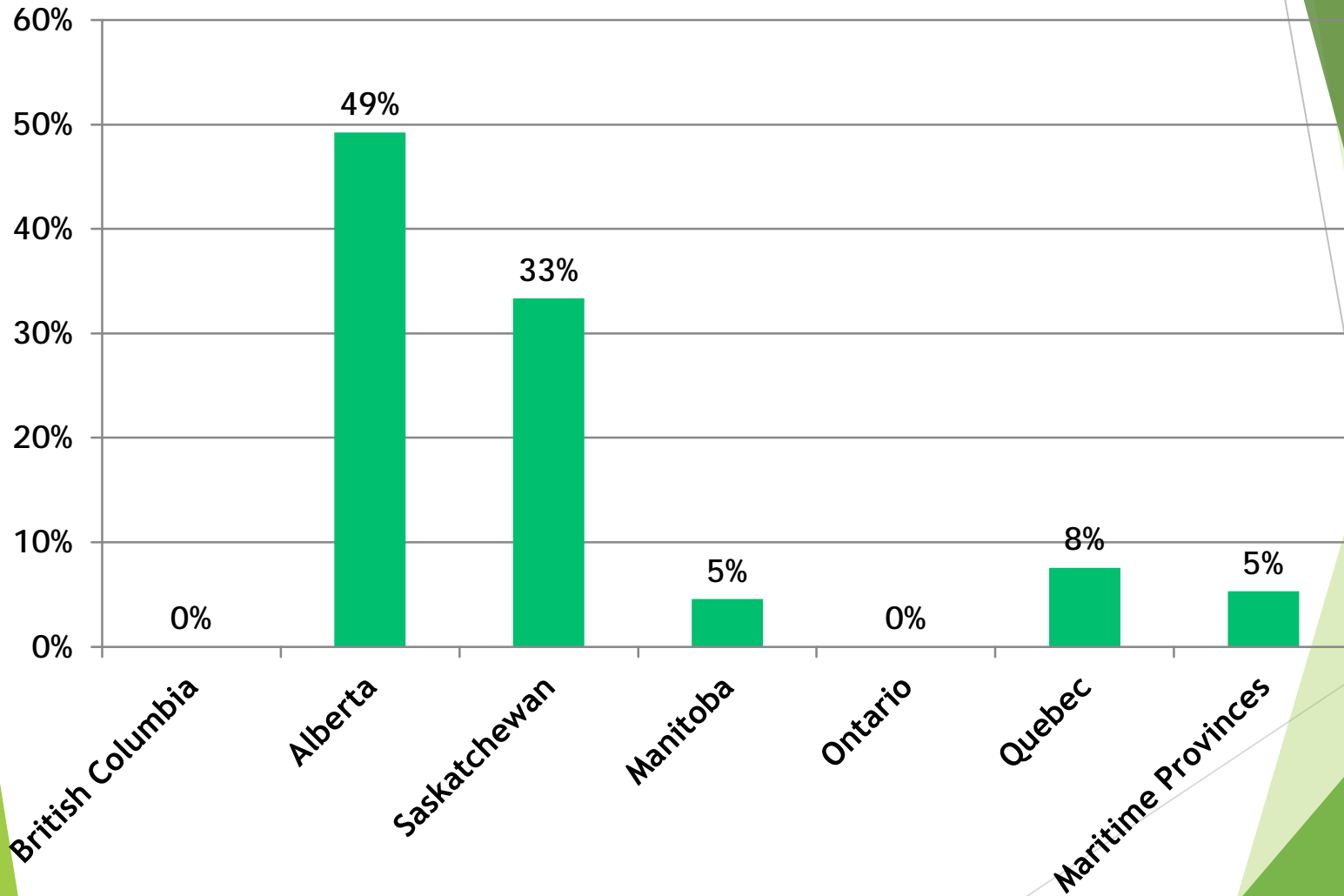
National Barley Research Strategy

- ▶ Research priorities for malt, feed, food and industrial barley
- ▶ Active barley research in Canada (BCC)
- ▶ Research funding calls (dates and timelines)
- ▶ Barley researchers, area of expertise and contact information
- ▶ Position statements on behalf of the barley industry on barley research related issues

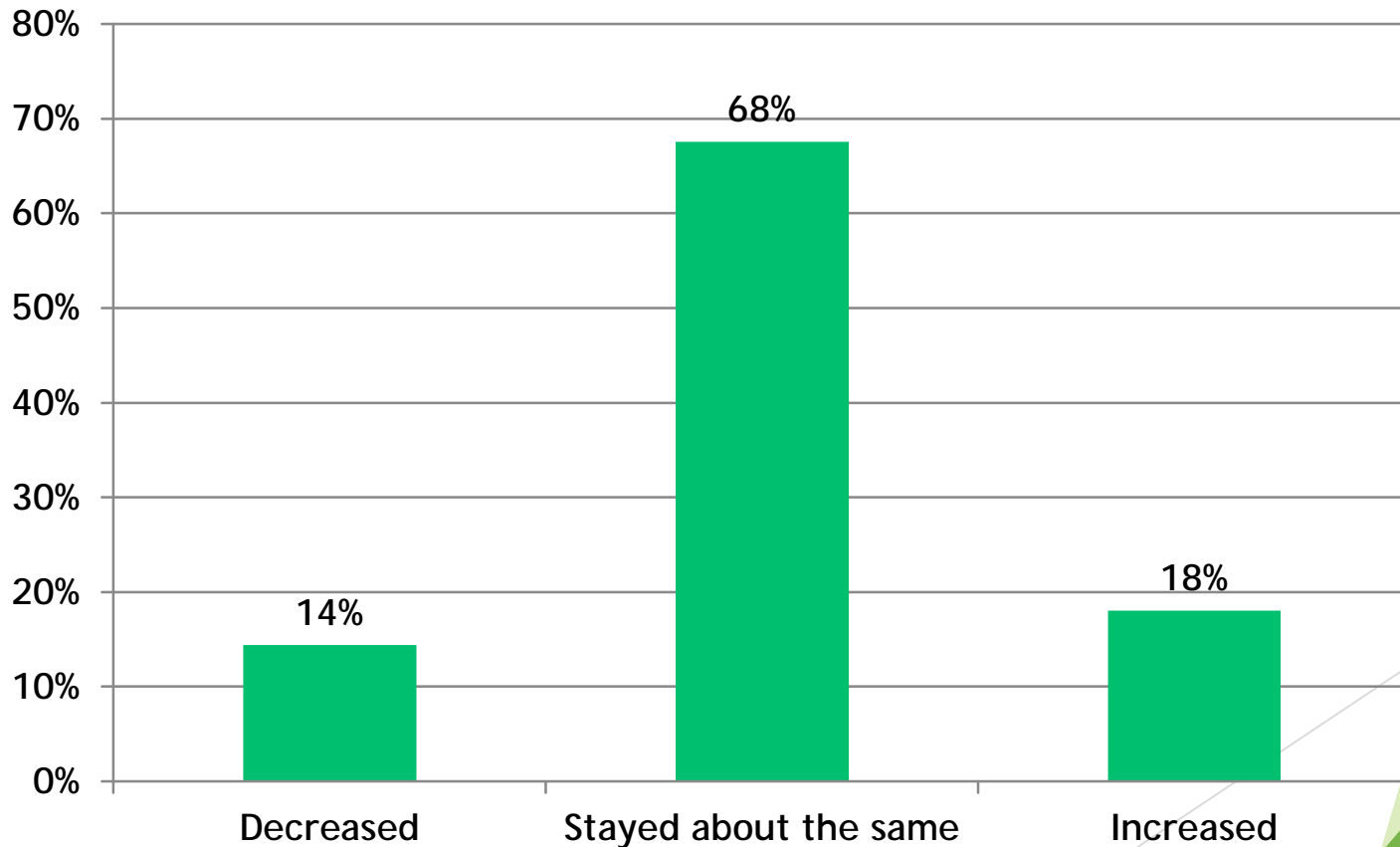
Preliminary Data from the Producer Research Survey

- ▶ Quantify the research issues of highest importance to producers
- ▶ 136 respondents from across Canada
- ▶ 75% completion rate
- ▶ 169 comments provided
- ▶ Survey is just one tool

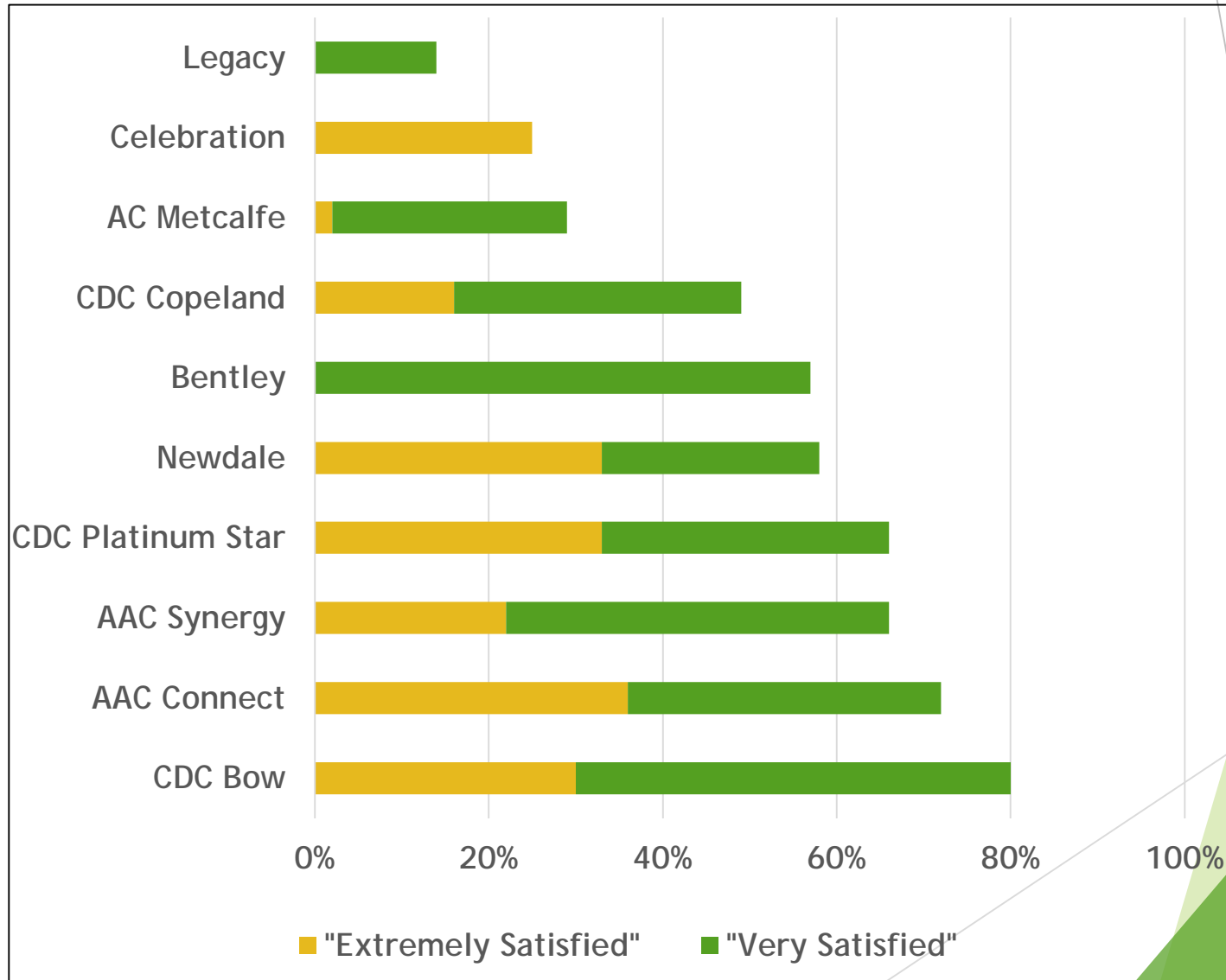
In what province is your farm located?



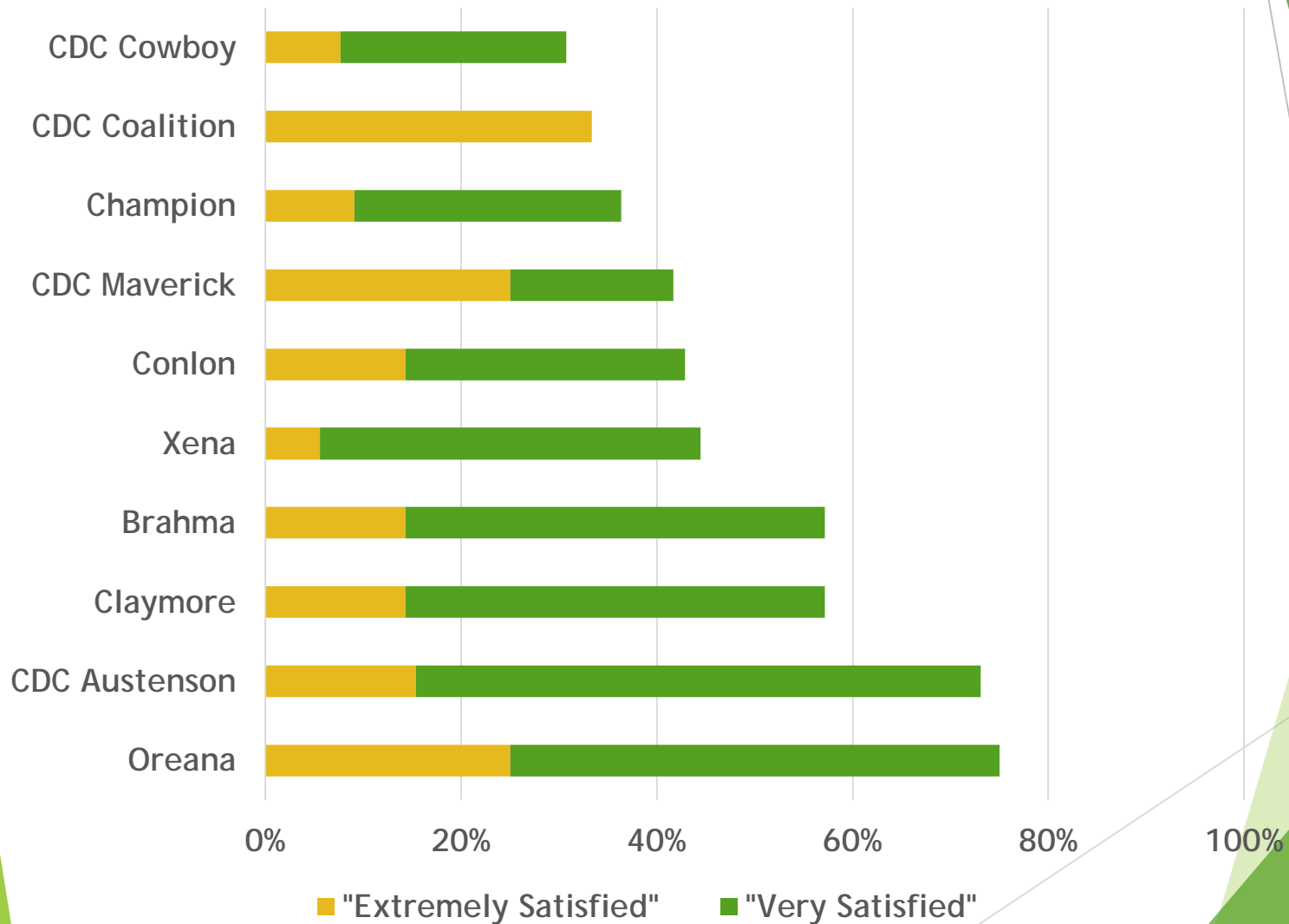
How has your annual percentage of cropland seeded to barley changed over the past five years?



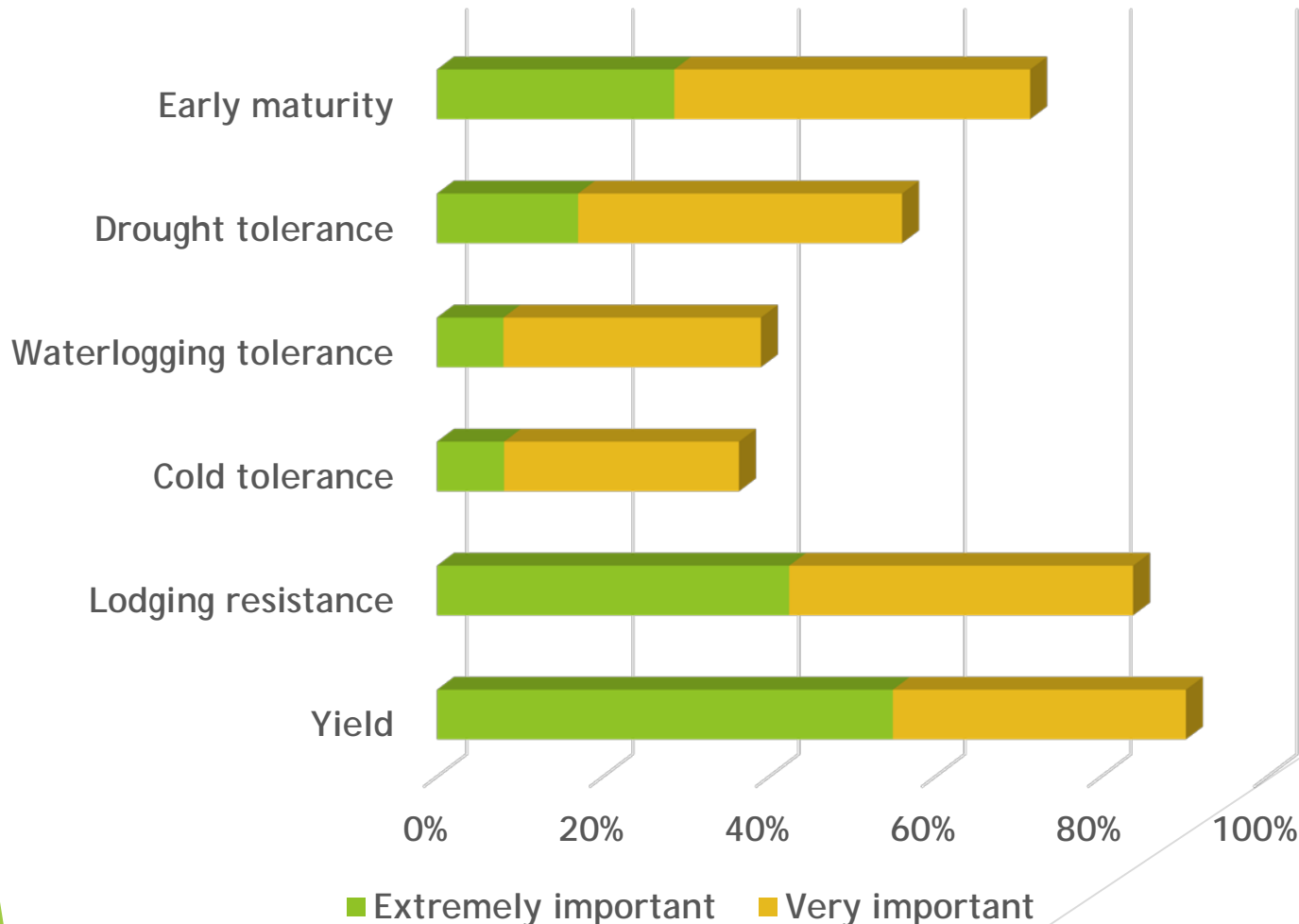
Producer Satisfaction with Malt Barley Varieties



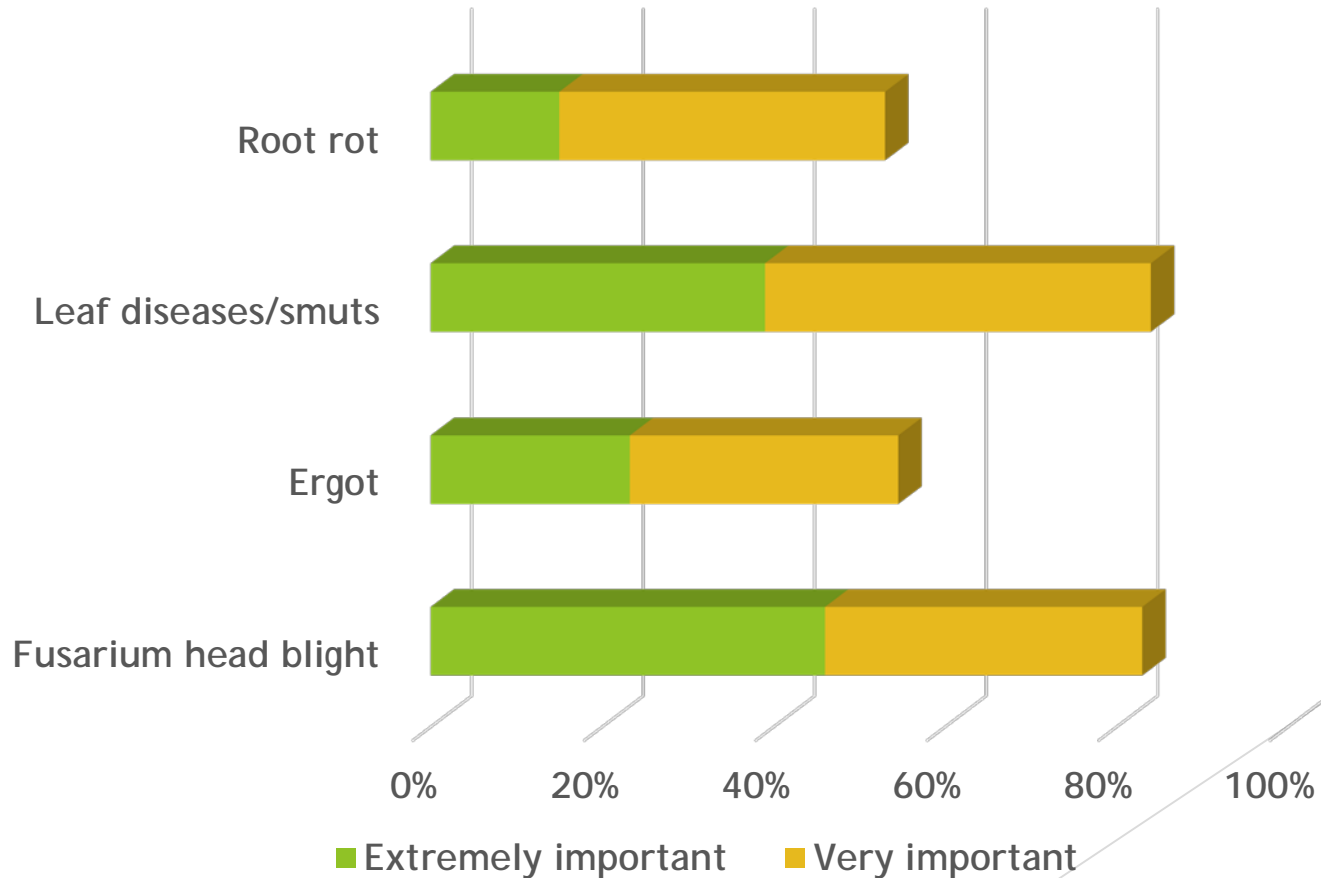
Producer Satisfaction with General Purpose Barley Varieties



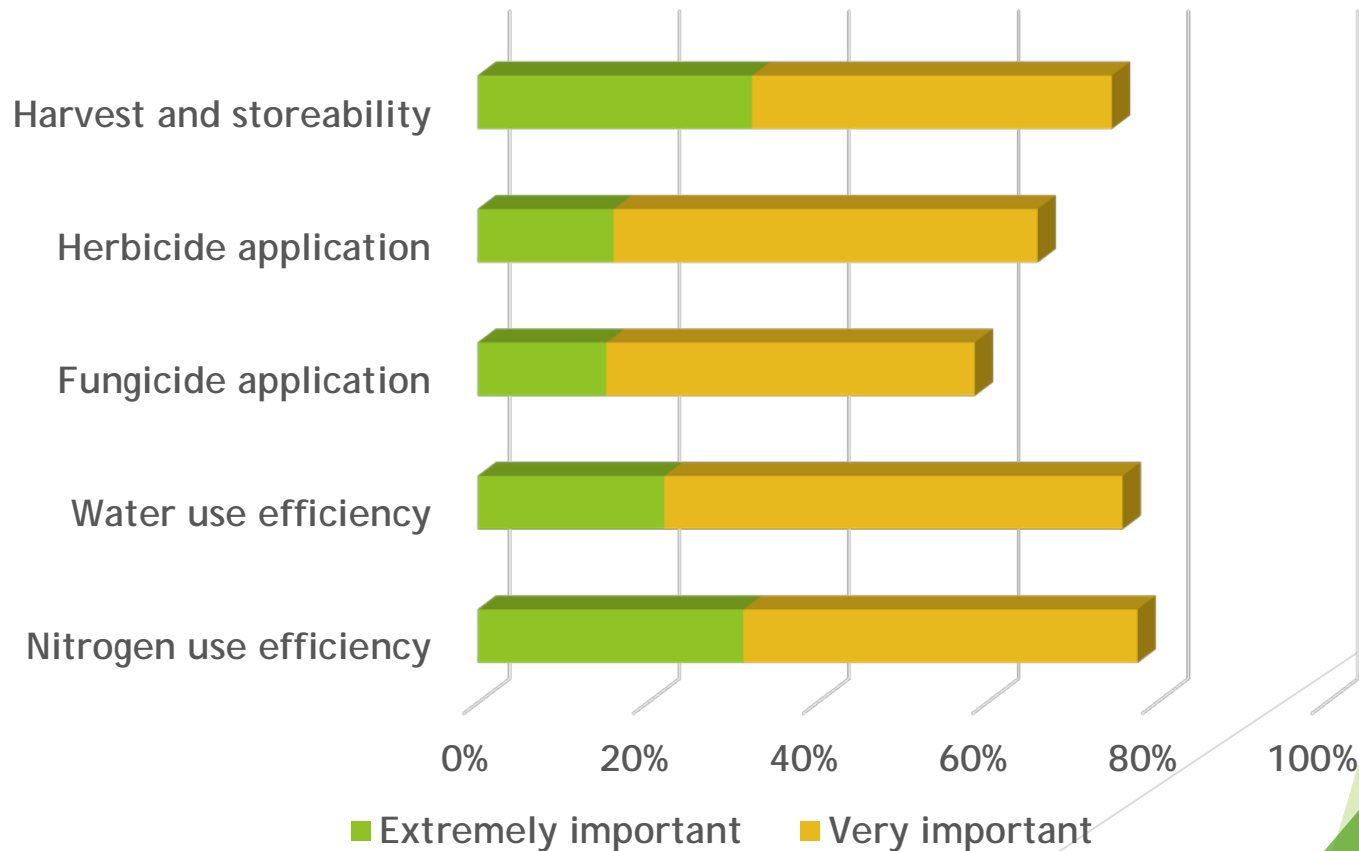
How important is ongoing improvement in the below production characteristics for barley?



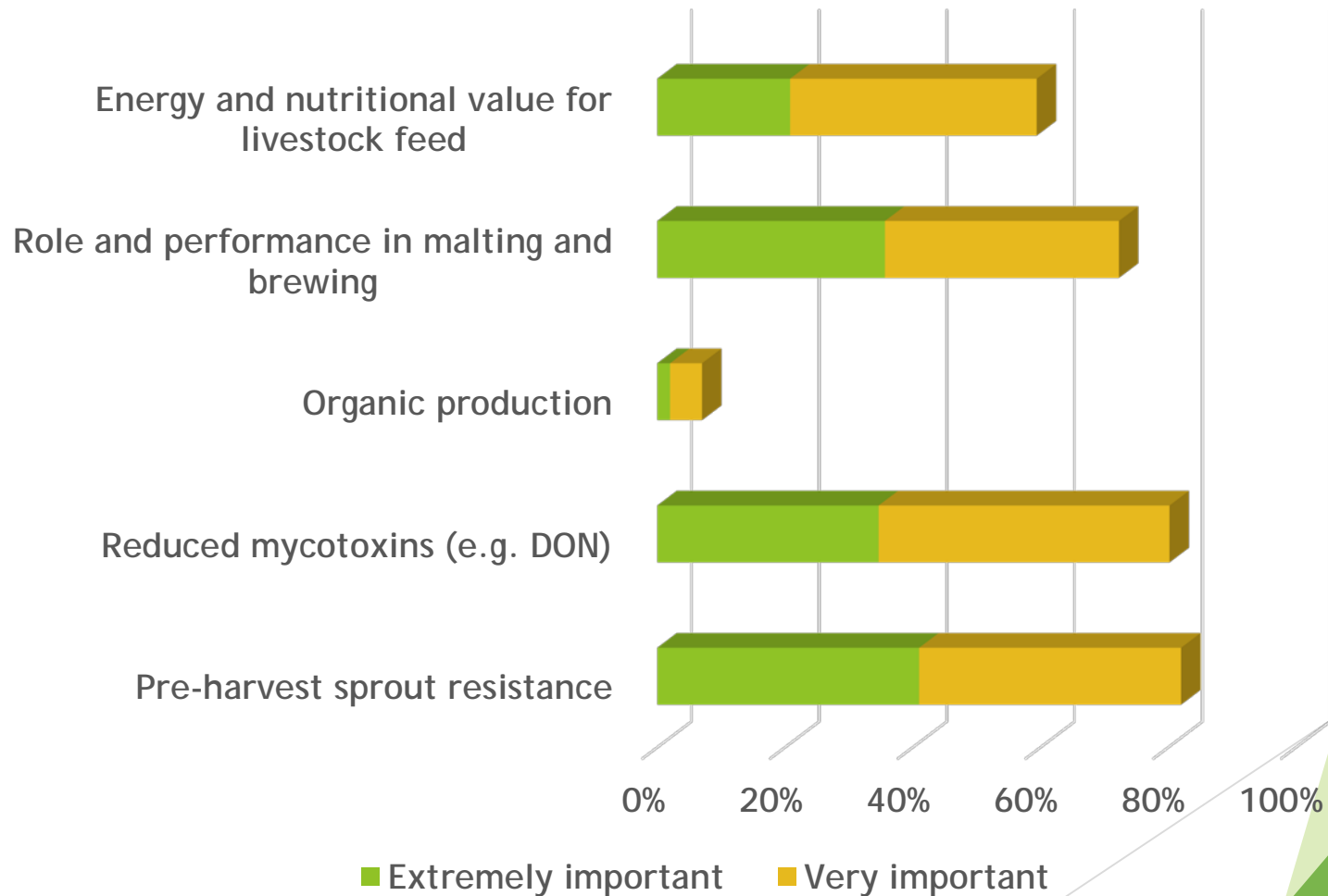
How important is ongoing improvement in the following types of disease for barley?



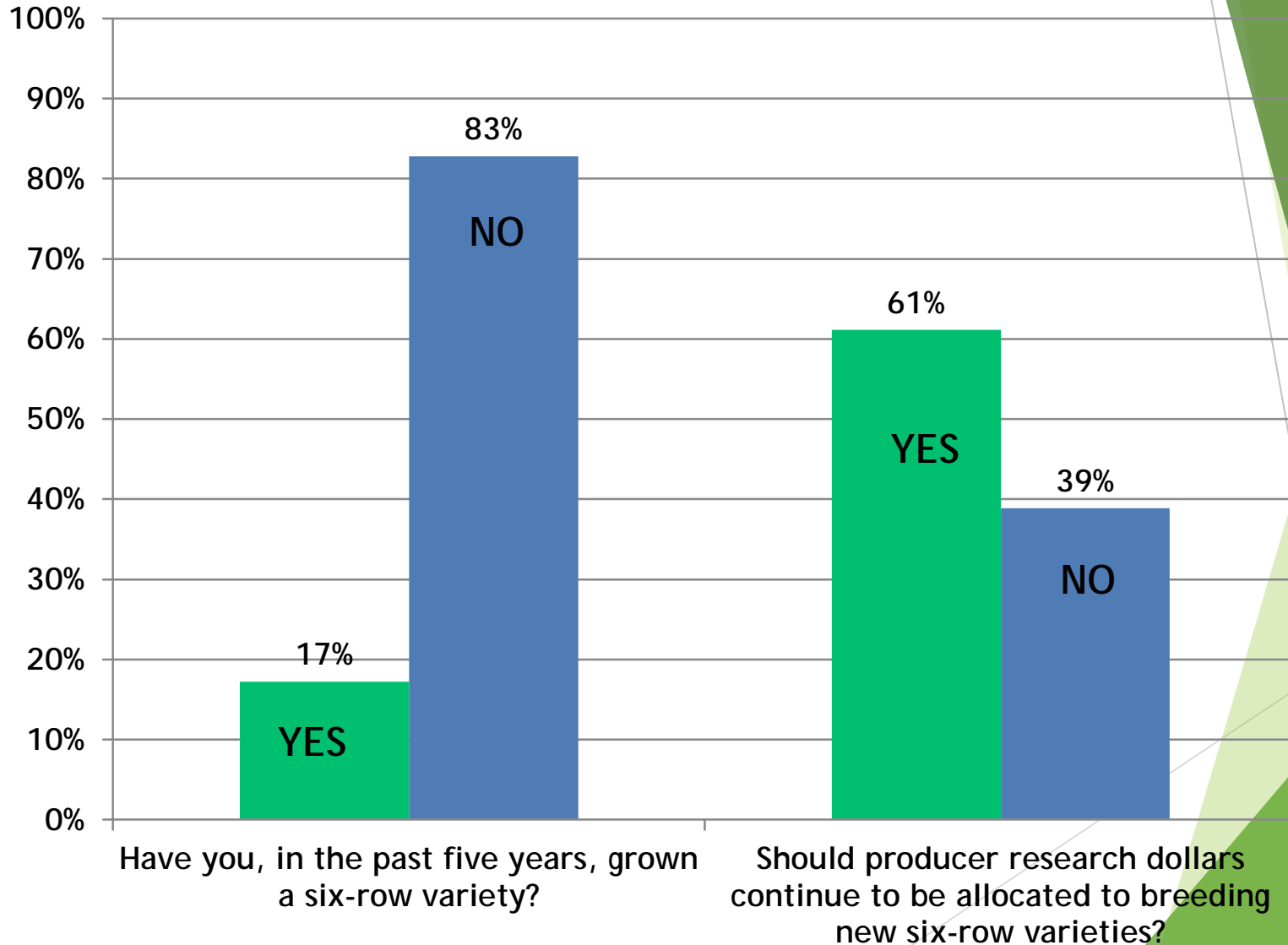
How important is ongoing improvement in the below input and management factors for barley?



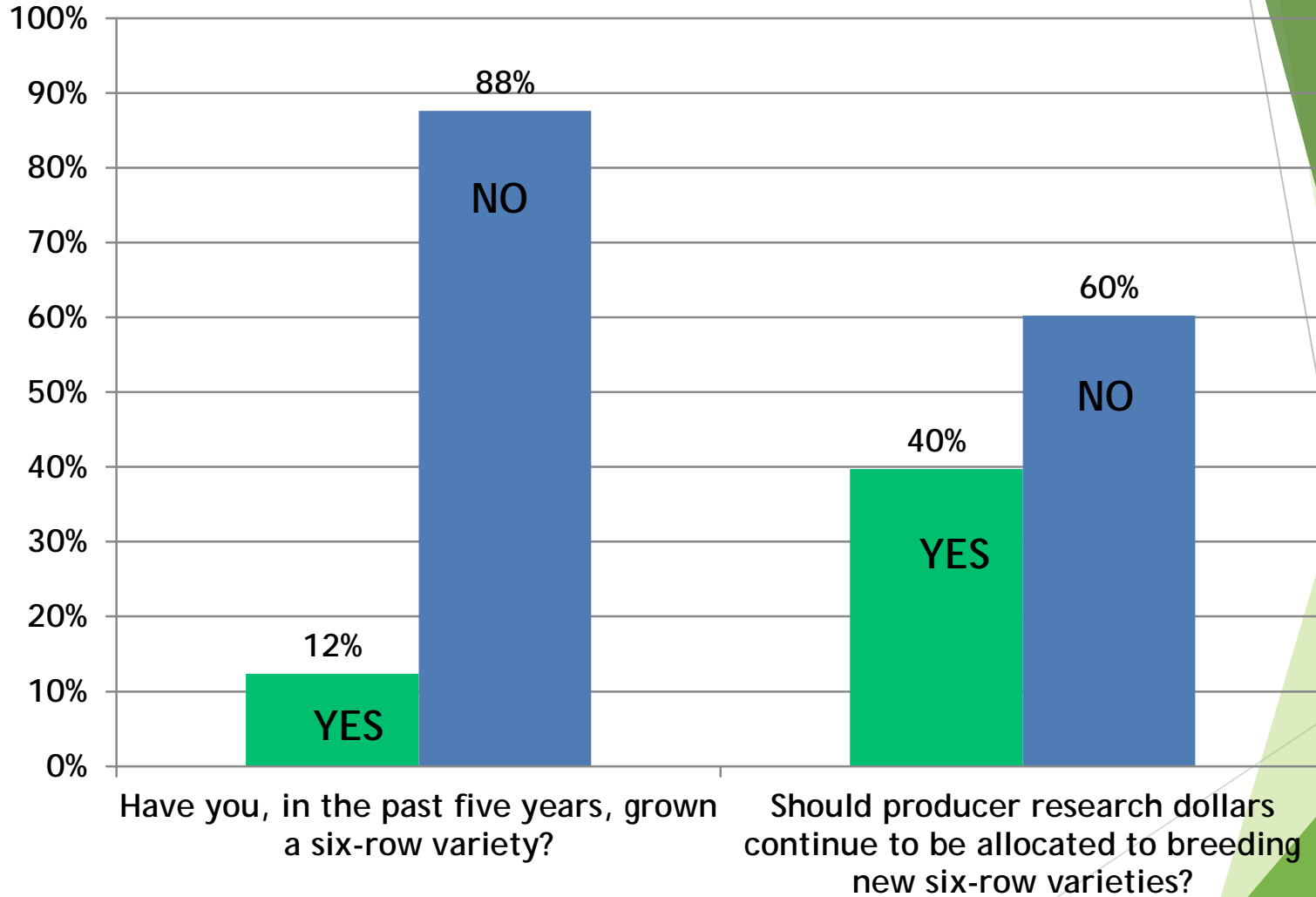
How important is an ongoing improvement for the below market related traits in barley?



6R Feed Barley



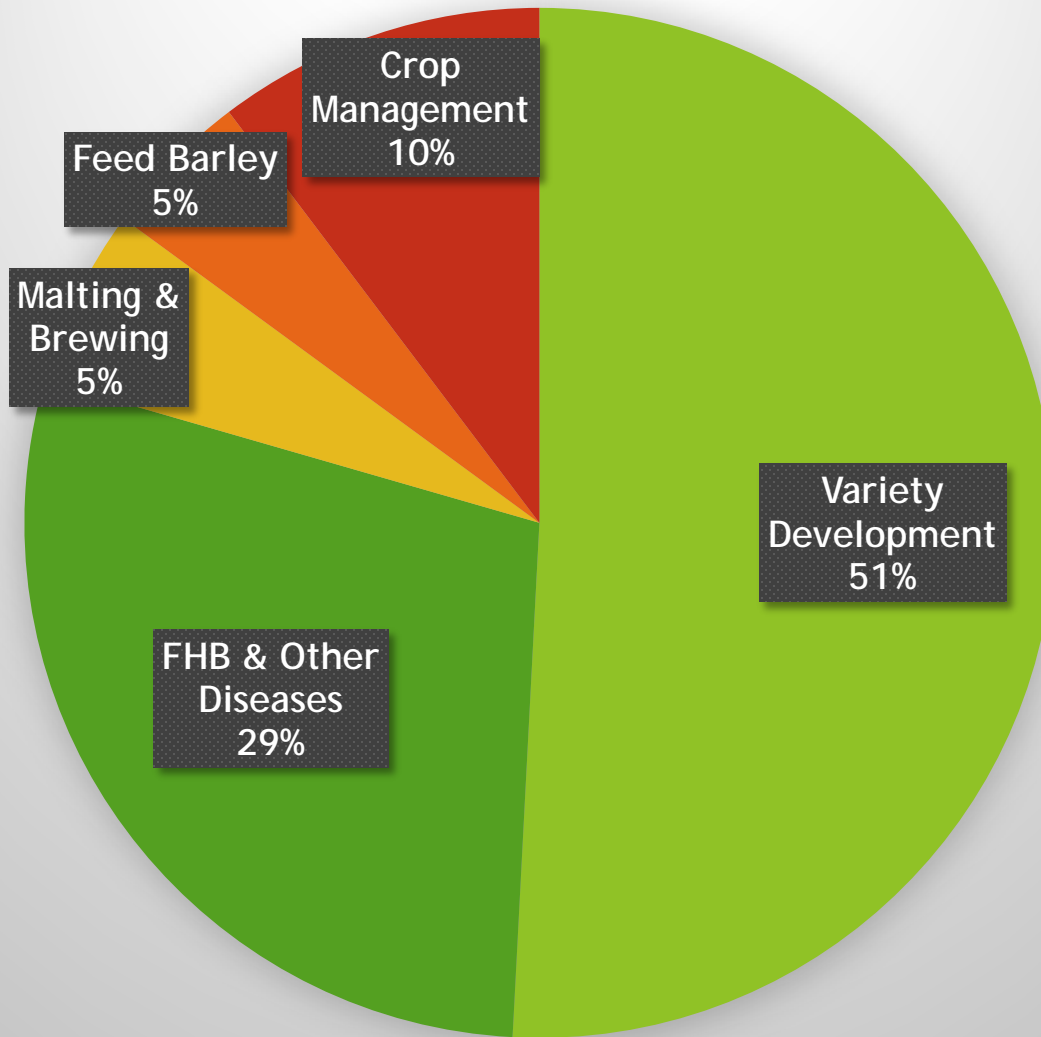
6R Malt Barley



Comments from the Producer Survey

- ▶ Concern around the profitability of growing barley
- ▶ Importance of feed barley to the health of the industry
- ▶ Low acceptance of new malt barley varieties by maltsters was considered issue
- ▶ Concern around competition from corn in the feed industry
- ▶ Importance of regional breeding stations to developed adapted varieties
- ▶ Other research issues...lack of herbicide options for barley, herbicide tolerant weeds, head retention, tillering at harvest, and winter barley.

National Barley Research Cluster (\$9.3M)



Timeline for the Barley Research Strategy

Spring 2020

- Draft research priorities for malt, feed, food and industrial barley through surveys, interviews and pre-existing strategies
- BCC to develop an inventory of active barley research

Summer 2020

- Feedback from barley stakeholders and researchers on research priorities and targets (if deemed important)
- Information on research funding calls, scientific expertise and contact information gathered and compiled

Fall 2020 – Draft version to the Canadian Barley Roundtable for comments