

# Derek Erb Seeds Inc.

## Variety Selection

Use this guide to assist in selecting the right variety for right acre.

<b>Factor</b>	<b>Description</b>
<i>Yield</i>	Look for stable, consistent performance over years and locations; evaluate all existing trial results and information.
<i>Herbicide package</i>	Consider the weed spectrum, cost, application ease, production style (conventional or no-till) as well as the crop and herbicide rotations (both short and long term).
<i>Disease reaction</i>	-Consider the history of disease in your field, specifically blackleg for which there is genetic resistance.  -Data also suggests that canola varieties with superior lodging resistance reduce the incidence of sclerotinia.
<i>Regional adaptation</i>	Performance of varieties can be area specific, consider data from nearby trials or work with a seed company to test varieties on your own farm.
<i>Harvestability</i>	Harvestability, a combination of height, lodging resistance, podding depth and plant density, is a measure of the ease with which a canola variety can be swathed and combined, if plant height and ease of swathing have been a problem in the past, consider varieties with a good harvestability index.
<i>Seedling vigor</i>	Seedling vigor research is sparse and no standard testing methods exist. Some canola varieties may show improved seedling vigor when compared to others.
<i>Seed treatment</i>	Consider past experience with both losses to insects and diseases at the seedling stage, if history is not available; ensure that both a broad-spectrum fungicide and insecticide are used.
<i>Level of service</i>	Depending on your experience, consider the level of service available from the seed distributor when choosing a variety.
<i>Variety information</i>	Some canola lines have ample information available on their performance and others have relatively little.

See Page 2&3 for Pioneer Hi-Bred Canola Varieties and How They Score in Each Selection Factor

### **Yield**

- 45H28 a premium hybrid that has outstanding yield potential and unmatched oil content
- New 45S51 similar yields to 45H26 with excellent oil content
- 45H26 high yielding value priced hybrid with outstanding oil content
- 45H73 V. High yielding Clearfield hybrid
- New 45H29 highest yield potential
- 43E01 very good yield for maturity

### **Herbicide Package**

- Round Up ready canola offers unmatched weed control with wide application window, ease of application 5gal/ac go further on a tank, excellent option for herbicide rotation
- Clearfield tolerant canola has outstanding control of hard to kill weeds like wild buckwheat and cleavers, residual to help control second flush and a very good option for herbicide rotation

### **Disease Reaction**

- This is the one factor were Pioneer Hi-Bred is way ahead of competition
- 45S51 is an industry first with an increased level of field tolerance to Sclerotinia which is becoming increasingly important with tightening of canola rotations and/or increased acres of other host crops such as soybeans, sunflowers, and flax
- Black Leg is making a comeback, again with tightening rotation and growing varieties that are only rated Moderately Resistance all of Pioneer Hi-Bred mid-late varieties are all rated R for Black Leg with 45H73 being the king
- 45H29 is again an industry first with resistance to Clubroot which is a devastating canola disease mostly found in Alberta and now in fields in Sask

### **Regional Adaptation**

- 45H29, 45H28, 45S51, 45H26 and 45H73 are all suited for Mid-Late canola growing region
- 43E01 is either for short season region or late and replant situations in Mid-Late canola growing region

### **Harvestability**

- All Pioneer Hi-Bred varieties are very easy to swath and combine with outstanding standability

### **Seeding Vigor**

- Once a downfall with Round Up varieties is now very comparable to other leading varieties
- 45H73 has tremendous early growth

### **Seed Treatment**

- Pioneer Hi-Bred canola is treated with Helix or Helix Extra
- 45H28, 45H26, 45H73 and 45S51 are also available pretreated with JumpStart

### **Level of Service**

- An area that gets overlooked at time of booking but can be of great importance later on
- Pioneer Hi-Bred has 100% return policy and 50% replant policy which as we have seen the last two years can be very important and costly
- Excellent in season seed availability
- Round Up varieties have Monsanto Risk Share
- Clearfield has 100% grass weed control policy
- Derek Erb Seeds offers free delivery and agronomic services

### **Variety Information**

- There is no lack of information or a better term may be propaganda out there and Pioneer Hi-Bred is not immune to this
- I would invite growers to contact me if they have questions about any Pioneer Hi-Bred varieties I don't just sell them I grow them
- Ask neighbors that have actually grown varieties you are interested in

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