

## Food Barley Production Recommendations

### **Planting:**

- Plant as soon as the ground conditions permit tillage or planting.
- **Do not plant barley following a barley or winter wheat crop the previous year!**
- **Avoid fields with a history of wild oats or heavy quack grass pressure!**

### **Seeding Rates:**

- Plant **Certified Seed** at a minimum of 110 lbs per acre.
- If the planting is delayed in the spring, increase the seeding rate.

### **Fertility:**

- Dignity barley will consume up to 75 lb/ac actual N with little lodging risk.
- Lower the rate for Conestogo.
- On rich soils the rate may be reduced slightly to help avoid lodging.
- Fields receiving manure should have fertilizer rates reduced.
- When following corn, increase N rates in order to compensate for the nitrogen required to break down the stalks.
- A “pop up” fertilizer should be used at planting for improved seedling growth.
- 30 lbs of P and 60 lbs of K/ac should be applied in some form to soils testing medium or lower.
- Soils low in Manganese or Copper may require addition of these micronutrients.

### **Weed Control:**

- The phenoxy herbicides, such as Buctryl M, are effective on most broadleaf weeds.
- Fields should have very low quack grass pressure.
- If there is the slightest concern about wild oats, an appropriate wild oat control product must be used; properly applied they are very effective and suppress annual grasses as well.
- Consult product labels for use limitations and effectiveness on target weeds.

### **Leaf Diseases:**

- Fungicide will reduce disease in barley.
- For best results apply after the flag leaf has emerged but before the head has emerged in order to maintain protection through the grain filling period to enhance grain test weight.
- If following corn, consider a 2<sup>nd</sup> fungicide application at flowering to reduce fusarium risk.
- Follow manufacturer's product label regarding withhold times prior to harvest.

### **Harvest:**

- To maintain bright grain colour, barley must be harvested as soon as the grain is mature.
- **Combine must be ‘triple rinsed’ with the contracted crop and used for feed.**
- **All handling equipment must be cleaned down to avoid other crop contamination.**
- **Handling equipment must not have been in contact with treated seed.**
- **Bright colour, heavy test weight; keep stones, dirtballs and other crop contamination within tolerances and avoiding an off-smell are very important.**

**The following document needs to be completed:**

**“Wintermar Grains Grower Information, Quality Checklist and Acreage Commitment Form” WG.04.01.DOC01**

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