



## **Bean Agronomy Network~ Partnership in Industry**

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### **1. Planting & Stand Establishment**

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- A high yielding, profitable, bean crop will not come from a mediocre stand. Stand establishment is critical in achieving above average profitable production.
- Pre-emergent herbicides should be completely incorporated prior to middle of May.
- Soils should be relatively free of clods.
- Soil moisture in top foot of soil profile should be in 60% - 75% range prior to planting. Higher field capacities may increase soil compaction.
- Plant into moist (but not wet) soil when daytime soil temperatures are greater than 20°C in the top couple of inches.
- As a rule of thumb, do not plant earlier than the May long weekend. Beans have no tolerance for frost and risk is greater if planting earlier than the long weekend.
- Do not irrigate soil until beans are up and doing well. Irrigation water will reduce soil temperatures by a few degrees. This will affect how quickly and how well the stand establishment is.
- Plant to moisture at a depth of ¾" - 1 ¼".
- Target plant populations to 95,000 - 100,000 plants/acre.
- Watch for crusting after planting and before emergence. Measures may have to be taken to help plants emerge.

### **2. BAN- we encourage your participation by:**

- **Alerts (all participants can submit):**
  - Production issues as they develop in the dry bean crop (environmental- frosts, heat, etc.; pest- weeds, insects, disease; pesticide label changes & registrations)
  - Weekly crop water use estimation for irrigation scheduling for dry bean crop in an average irrigation system. Irrigation management issues (reservoir updates, schedules, equipment updates)
  - The irrigation Alerts will be issued for the following locations by AAFRD- Farm Irrigation Management:
    - Bow Island
    - Taber
    - Enchant
    - Seven Persons
- **Questions (all participants can submit):**
  - Production related issues: participants can address questions to the BAN for clarification by individuals with expertise in that particular area of agronomy.
  - Research studies on production issues (for researchers to get feedback from field agronomists i.e. early yellowing syndrome, bacterial blight, etc.).