



## **Wheat Planting and Managing Tips:** *Step-by-step recommendations to maximum wheat production*

### **Step 1: Seeding**

*Plant Population:* Plant population for wheat is not much different than for corn, it depends on the characteristics of the variety. Depending on whether the variety tillers very well or not makes a significant difference on seeding population. Do some research on the variety you're planting and make the decision from there. Most often you will want to be in the 1.2-1.8 million plants per acre rate.

#### *Seed Treatments:*

- A seed applied fungicide for the many soil borne fungal diseases absolutely is a **MUST!!!** In areas where there is a high wireworm pressure consider using seed treatments that include and an insecticide as well. Do not "skip" this process!!!
- Recommend the application of TJ Quickroots™ to the seed for larger root mass and enhanced nutrient uptake.
- Planting Depth:
  - o Spring wheat planting depth: 1 ¼-1 ½"
  - o Winter Wheat: 1 ½-1 ¾"
- Row width: 7 ½" or less

### **Step 2: Fertility**

- Applied through air seeder with wheat seed:
  - o 75#/11-52-0 (Map) per acre - *Do not use DAP!*
  - o 25#/0-0-60 (Potash) -- Potash is not only giving you valuable potassium, it aids in stalk strength for reduced lodging, and chloride for aid in disease tolerance of the wheat crop!
- Broadcast: (Dry)
  - o Nitrogen
    - Low productive soils: 100-110 pounds actual nitrogen applied
    - High productive soils: 120-130 pounds actual nitrogen applied
  - o Sulfur
    - Need 50 pounds per acre 21-0-0-24S (Ammonium Sulfate)

o Copper

- Less than 1 ppm soil test levels of copper will require 2 pounds per acre 23% Copper Sulfate (Dry product), broadcasted.

**Step 3: Herbicide, early fungicide & insecticide**

Herbicide options: Many different options for wheat depending on weeds that are present in the field, but here is a list of a few common tank mixes.

- **Program 1-** Huskie® Complete 13.7 oz. per acre. *Controls ACCase resistant wild oats!* (Broadleaf & grass)
- **Program 2-** 0.5 pt. per acre Puma 1EC+0.4 oz. per acre Affinity® TankMix+1 pt per acre Widematch® (Broadleaf & grass)
- **Program 3-** 14.5 oz. per acre Axial™ XL+ Widematch® 1 pt per acre+8 oz. MCP ester (Broadleaf & grass)
- **Program 4-** Wolfpack™ Advanced at 1 pt per acre (Broadleaf only)
- **Program 5-** Goldsky™ 1 pt per acre+1 qt. 100 gallon H2O NIS+1.5# per acre dry AMS (Control of grass & broadleaf in spring & winter wheat.)

Fungicide:

- Headline® at 3 oz. per acre tank-mixed with herbicide or 2 oz per acre of PropiMax® EC
- **Attention!** Do not use Headline on wheat that will be sprayed with herbicides containing Buctril, because of too much tissue burn!

Early Insecticide:

- Baythroid XL® 1 oz. per acre (Attention: 60% rate of any synthetic pyrethroid will work!)
- **Attention!** Make sure that you apply herbicide, early fungicide and insecticide before first visible joint.

**Step 4: Head-set application of fungicide and insecticide**

- Once you've reached 95% or greater head emergence, apply the below recommendations:

Fungicide + Insecticide:

- Economical Program: 4 oz. per acre TebuStar 3.6L+1.2 oz. Baythroid (Attention: 3/4 rate of any synthetic pyrethroid will work!)+1 qt. per 100 gallon H2O NIS
- Advanced Program: 12 oz. per acre Caramba™+1.2 oz. Baythroid XL® (Attention: 3/4 rate of any synthetic pyrethroid will work!)+1 qt. per 100 gallon H2O NIS
- **Attention!** Must have full head emergence before applying, but don't wait too long application window is only about 3-4 days depending on weather at the time!

Mike Tofsrud | Legend Sales Agronomist | Minnewaukan, North Dakota