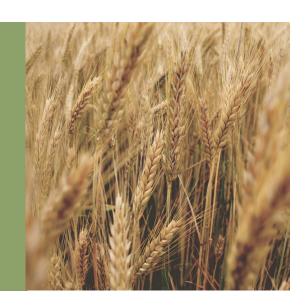
# Wheat Testing Report



### **RESEARCH COOPERATORS**

T. Fonstad, P.Eng., and Alanna Howell, University of Saskatchewan

#### **TRIAL OBJECTIVE**

To test the effectiveness of AG FORCE I (Kan Grow- Plant Preperation) on Wheat crops and soil health.

#### **CERTIFICATIONS**

Kan Grow products are:

» EPA Listed » NSF Certified





### **EXPERIMENTAL - DESIGN**

Variety:	Wheat Seeds
Location:	Growth Chambers at the University of Saskatchewan
Experimental Design:	5 treatments (control, low, medium, high, and 1 US Gal/acre ) with 4 repetitions (pots) per treatment.
Planting Details:	Seeds were planted on June 2nd, 2015 38 mm (1.5 inches) deep.
Fertility:	Applied in two seperate applications. First application occured 2 days prior to planting. The second application occured three weeks after planitng
Harvest:	8 weeks of growth time.

#### **EXPERIMENTAL - TREATMENTS**

1) 1:10,000 dilution of AG-Force I (0 oz per acre) - 0 ml/pot (control)

2) 1:10,000 dilution of AG-Force I (8 oz per acre) - 10.35 ml/pot 1st application (low)

3) 1: 10,000 dilution of AG-Force I (8 oz per acre) - 10.35 ml/pot 2nd application (low)

4) 1:10,000 dilution of AG-Force I (16 oz per acre) - 20.7 ml/pot 1st application (Medium) 5) 1:10,000 dilution of AG-Force I (16 oz per acre) - 20.7 ml/pot 2nd application (Medium)

6) 1:10,000 dilutions of AG-Force I (32 oz per acre) - 41.3 ml/pot 1st application (High)

7) 1:10,000 dilution of AG-Force I (32 oz per acre) - 41.3 ml/pot 2nd application (High)

8) 1:10,000 dilution of AG-Force I (64 oz per acre) - 82.65 ml/pot 1st application (1 US gal)

9) 1:10,000 dilution of AG-Force I (64 oz per acre) - 82.65 ml/pot 2nd application (1 US gal)

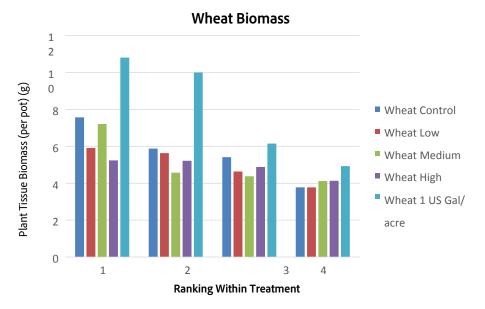
SEEDING RATE	Plants per acre	Plants/pot	Seeds/pot	
Wheat	1,500,000	6.55	13	



#### **RESULTS**

The results indicated a 41% greater plant biomass and 18% more rows per wheat head for the 1 US gal/acre application rate over the control. Average root biomass was also higher.

Wheat plant and root samples nutrient analyysis indicated slightly higher nitrogen and sulfur content in the plants and roots with the highest application rate.



## Wheat plant Biomass and Number of Rows per Wheat Head

