

Wheat Testing Report



RESEARCH COOPERATORS

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TRIAL OBJECTIVE

To test the effectiveness of AG FORCE I (Kan Grow- Plant Preparation) 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 separate applications. First application occurred 2 days prior to planting. The second application occurred three weeks after planting.
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 analysis indicated slightly higher nitrogen and sulfur content in the plants and roots with the highest application rate.

