

**Soil Technologies Corp.
Research and Development Department**



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Research Report

Title: Control of *Rhizoctonia solani* on Sugar Beet Seed with Intercept

Location: Moorhead, Minnesota

Principal Investigators: Dr. Dick Watkins
American Crystal Sugar Company Research Center

Crop: Sugar Beet Seed

Date: 1980

Abstract:

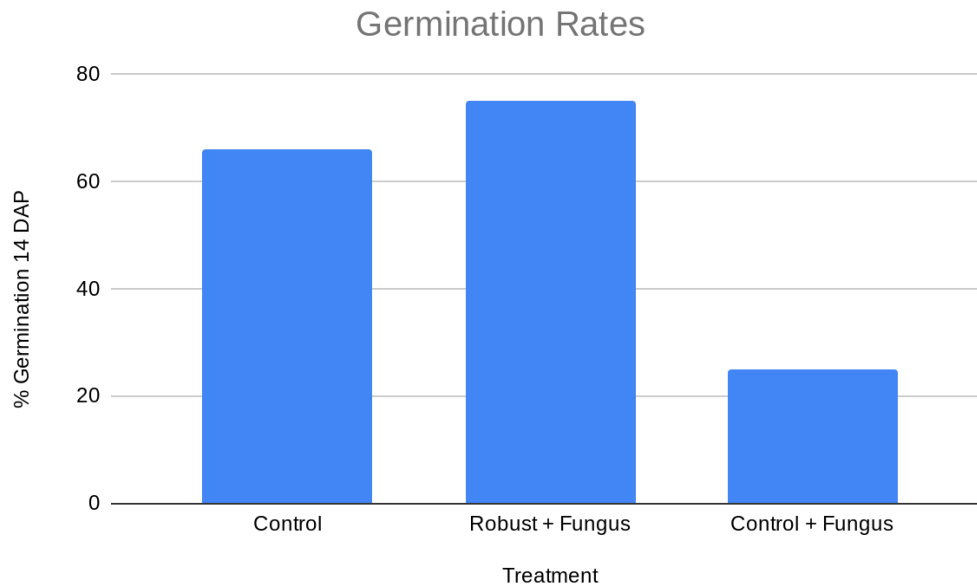
The purpose of this trial was to evaluate the efficacy of Intercept¹ in controlling *Rhizoctonia solani* on sugar beet seeds. Germination rates of sugar beets were evaluated for three protocols: inoculated with *R. solani*, inoculated with *R. solani* then treated with Intercept, and a no inoculation no treatment control. Results demonstrate that seeds treated with Intercept had the highest germination rate of 75% compared to the control at 65%, and inoculated and untreated group having only a 25% germination rate.

Methods:

Sugar beet seeds in a greenhouse setting were inoculated with *R. solani* and were treated with Intercept. Treated seeds were compared to seeds that were also inoculated, and a control group that was not inoculated or treated.

¹Intercept is an OMRI listed liquid soil inoculant, developed and manufactured by Soil Technologies Corp. in Fairfield, Iowa, USA

Results:



Conclusions:

Results demonstrate that seeds, which were both inoculated and treated with Intercept had the highest germination rate of 75% compared to the control group, which was also inoculated having only a 25% germination rate. These findings suggest that Intercept can control *R. solani* in sugar beet seeds.