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PIONEER

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To Whom It May Concern:

We would like to confirm that DuPont Pioneer together with Sustainable Organic Solutions Pty Ltd are conducting field trials for corn (High Amylose variety by Ingredion) and sorghum (W2272 variety by Pioneer) at Pioneer Research Station, 204 Westbrook Wyreema Rd, Toowoomba QLD 4350. The trials are to confirm the benefits (yield/bio-protection/germination rates) of a bacterial treatment (SOS3) developed and patented by Sustainable Organic Solutions.

Two experiments are conducted with high amylose corn. Since the first experiment demonstrated positive results, the second experiment (ongoing) was started to test bacteria survivability under real conditions for two weeks prior to planting. Continuous measurements were obtained by Sustainable Organic Solutions personnel during the field trial under the Ingredion and Pioneer supervision. The results show significant improvements in shoot and root dry weight, germination rate, and leaf count. Plant NPK content in leaf tissues of corn plants also showed increases compared to control (with no bacterial treatment).

Since corn trials demonstrated a sustainable positive effect of the treatment, a sorghum trial was established. Measurements conducted showed significant improvements in shoot and root dry weight, germination, leaf count, and leaf area. Plant NPK content in leaf tissues of sorghum plants had an increase compared to the control (with no bacterial treatment). Significant leaf chlorophyll level increases were obtained – this was detected through soil plant analysis development (SPAD).

Results we received to the date are positive, sustainable and demonstrate significant improvements of different characteristics for treated plants.

As these improvements have significant commercial opportunities, we suggest Sustainable Organic Solutions to continue with independent medium and large field trials in partnership with DuPont Pioneer and Gentech (commercial business partner) at the next planting season.

Sincerely,

Stephen Wilson