

Division of Marketing
Agricultural Development and Diversification (ADD) Program
1992 Grant Final Report

Grant Number 07030

Grant Title Sugary-Brawn Corn - Development of an Important New Feed Product
and Silage Preservative (Phase 1)

Amount Awarded \$15,000.00

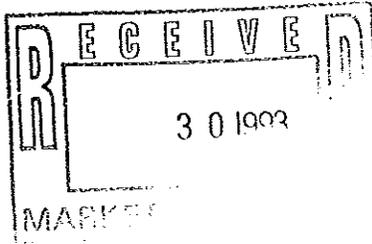
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O'Brien Farms, Inc.
552 Glenway Road
Brooklyn, WI 53521
May 30, 1993

Mr. Erwin A. Sholts, Director - ADD
WDATCP - Marketing Division
P. O. Box 8911
Madison, WI 53708-8911

Re: Year End Summary on Grant #7030

Year End Summary

The purpose of the Sugary Brawn2 corn development project has been to develop new and improved hi-sugar inbred lines (seed parents) with better agronomic characteristics, produce useful amounts of these parents, and attempt winter hybrid seed production in Florida. Benefits to Wisconsin agriculture would include, a new and beneficial sweet corn for silage use and a sweet corn based silage inoculant.

This hi-sugar corn hybrid will allow for more efficient use of farm land because sweet corn can be grown and used for silage purposes and is not considered as corn acreage under the rules of the ASCS programs. It is our intent to develop hi-sugar hybrids that will produce silage yields and have feeding values equal to currently used yellow dent hybrids.

We believe that sugary brawn2 corn has an important place in Wisconsin agriculture due to the fact that considerable acres are used for corn silage each year.

Results of the grant project have met or exceeded all of our original expectations. The 1992 growing season offered us some very interesting challenges due to the dry early season conditions. The isolated genetic increases had to be irrigated. Along with the cool growing season, there was a lot of concern about the inbred line reaching maturity before frost would occur. Without this seed, the winter production could not take place! We hand harvested some very wet seed ears just prior to a hard or killing frost in the fall of 1992. The seed did have good germination results and the Florida crop was planted. Florida experienced a good growing season and the winter production was very successful. One unexpected benefit of the Florida production is that the pollinator rows were also harvested and returned to Wisconsin to be used as seed parent for continued and expanded Sugary Brawn2 hybrid production in the summer of 1993.

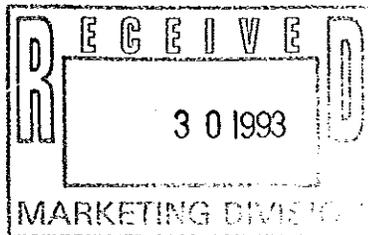
A explanation of the Sugary Brawn2 project was given at the O'Brien Hybrid dealer meeting in Fond du Lac in the fall of 1992.

This information has created additional interest in Sugary Brawn2 corn and has resulted in new sales.

We feel very positive about the future of Sugary Brawn2 corn. We have sold all of the hybrid seed that was produced in Florida during the winter of 92-93 and have planted approximately 11 acres of Sugary Brawn2 seed parents for hybrid seed production in the summer of 1993 which should increase the supply available to farmers.

The grant has allowed us to greatly accelerate the development of Sugary Brawn2 corn.

Wan O'Brien



SWEET ENSILE TM

- DRY - 100% ORGANIC INOCULANT

Sweet Ensile™ is a combination of live lactic acid producing microbiales and enzymes, used with a sweet corn carrier to aid in the fermentation process and reduce the loss of nutrients in storage.

INGREDIENTS

Ground Sweet Corn, Lactic Acid Bacteria (Lactobacillus plantarum, Lactobacillus brevis, Pediococcus acidilactici, Streptococcus cremoris, Streptococcus diacetylactis), total lactic acid producing organism--90 Billion CFU/lb of inoculant (this will provide 100,220 CFU/Gram of forage), Enzymes (Amylase, Hemi-Cellulase, Beta Glucanase) 4,130 Units/Gram

DIRECTIONS

Haylage 1 lb/ton
Silage..... 1 lb/ton
Ground High Moisture Grain..... 2 lb/ton
Ground High Moisture Ear Corn.... 2 lb/ton
Baled Hay..... 2 lb/ton
Applied by Meter or over top of load.

One 50 lb. bag will inoculate 50 tons of silage or haylage, or 25 tons of baled hay or high moisture grain.

Guarantee: Total lactic acid producing bacteria 90 Billion CFU/lb of inoculant

Caution: Avoid inhaling dust from this product.
Keep out of reach of children.

Due to conditions of use which are beyond our control, no expressed or implied warranties are made for this product.