

## **Regenerative farming of industrial corn as feedstock for the production of 100% bio-based Susterra® 1,3 propanediol (PDO).**

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The use of alternative bio-based sustainable and renewable building blocks in various industries is more than ever a strategic choice producers are making today and have to make going forward to reduce their dependency on fossil fuel and to reduce carbon footprint coming from raw materials. 100% bio-based building blocks replacing fossil fuel alternatives commonly used are challenged by the need of equal to better performance, being price competitive and especially being available in large quantities.

Regenerative farming of industrial corn without impact on land use is an ideal way to generate enough feedstock for the usage of biobased materials in the industry with no impact on the food chain. Responsible farming under the Truterra® conservation program enable the production of 100% biobased PDO for several industrial applications in the polymer and coatings industry.

This paper will highlight the various Truterra® conservation practices used to produce industrial corn in the USA enabling the bio-economy at large scale and as result reducing not only the fossil fuel dependency but also reducing carbon footprint in the value chain through the production and usage of Susterra® 1,3-propanediol as building block for a variety of polymers in a large range of consumer applications.