

Sustainable Biological Solutions in Corn Biorefining

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Around 40% of corn produced in the United States (6.15 billion bushels) are refined into food, animal feed and fuel via the dry-grind and wet-mill processes. Aside from commodity products, these corn biorefining industries provide jobs and sustain our rural economy. As examples of successful biorefineries, they have the potential to reduce the climate impact of current petroleum-based economy. To do this effectively, corn biorefineries continue to pursue reduction of their carbon intensity (CI), aided by government incentives such as the 45Z tax credit. In this presentation, we provide some examples of how Novonesis has been leveraging biology to enable solutions that contribute to achieving these CI reduction goals. We conclude with a few perspectives on how biological solutions can lead to even higher efficiency gains, thus towards an even more sustainable corn biorefining.