

Landus and TalusAg commences First local Green Ammonia Production in North America

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Landus, an Iowa-based agriculture solutions company, and TalusAg, an agriculture technology company, announced that they have successfully commenced commercial green ammonia production with the first and only modular systems in North America. Local, domestic production of green ammonia enabled by TalusAg's rapidly deployable systems ensures cost-competitive, reliable and sustainable fertilizer supply for American farmers.

"Any import tariffs are likely to disrupt fertilizer supply chains and could have a detrimental impact on American farmers. We are committed to supporting farming communities in Iowa and across the country with locally produced green ammonia. Our partnership with Landus is critical to building supply chain reliability and resilience within the United States," said Hiro Iwanaga, founder and CEO of TalusAg.

Nitrogen contained in ammonia is essential for growing crops but availability is heavily dependent on global supply chains that are vulnerable to disruptions, whether due to geopolitical dynamics or price spikes caused by unforeseen physical interruptions.

Research from the US Department of Agriculture found that fertilizer prices in the US "more than doubled between 2021 and 2022 due to many factors including a Russia price hike, a limited supply of the relevant minerals and high energy costs, high global demand and agricultural commodity prices, reliance on fertilizer imports, and lack of competition in the fertilizer industry."

“At Landus, we strive to keep the farmer at the center. Taking links out of the supply chain as well as offering more sustainable options to our farmers is essential to that mission, and we are constantly looking to partner with like-minded, creative problem solvers like TalusAg,” said Matt Carstens, Landus and Conduit President & CEO. “This announcement represents a major milestone in our ability to bring a more price-stable and sustainable ammonia fertilizer option to our farmers. In addition to creating long-term price stability, green ammonia can immediately reduce the carbon intensity score of biofuel feedstocks by as much as 25%, providing significant value to domestic biofuels producers.”

Supported by the Federal clean hydrogen production tax credit, TalusAg’s commercial, modular system locally produces up to 20 tons of ammonia per day, using only renewable power, water and air. Via their strategic partnership, TalusAg and Landus are actively deploying additional systems across the Corn Belt with expansion planned throughout the United States.