NUVIVE

Closing The Gap...When More Of The Less Is Needed

SUGAR BEETS PROJECT

Sustainable and Efficient Way to Produce and Store Beet Sugar

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SUSTAINABLE AND EFFICIENT WAY TO PRODUCE AND STORE BEET SUGAR

Beet sugar production plays a significant role in the global sugar industry, contributing both to economic growth and food security. However, it is crucial to recognize that beet sugar production poses several challenges, most notably to farmers and the environment.

The project is designed around ESG, supply chain sustainability, and diversification for the Beet sugar supply chain through innovation to bypass unnecessary steps in the supply chain and processing to establish a direct route in the supply chain for industrial use, with a new commodity raw beet sugar similar to raw cane sugar.

THE BEET SUGAR INDUSTRY FACES A NUMBER OF CHALLENGES

The beet sugar industry faces a number of challenges, including post-harvesting storage and handling. Sugar beets are a perishable crop, and they must be processed within a few weeks of harvest. This can be difficult to do in Michigan, where the harvest season is often short and unpredictable. As a result, sugar beets are often stored in piles outdoors, where they are exposed to the elements and can be damaged by pests and diseases.

This storage method is not only inefficient, but it can also be harmful to the environment. The piles of sugar beets release methane, a greenhouse gas, into the atmosphere. Additionally, the piles can attract pests and rodents, which can spread diseases to other crops.

INNOVATION

NuVive's CFD technology is a new and innovative way to store and process beet sugar. The technology uses a process called "cavitation flash drying" to dry the sugar beets into a powder. This powder can then be stored for months or even years without losing its quality. Additionally, the powder is much easier to transport than whole sugar beets, which can save money on transportation costs.

The CFD technology is a more sustainable way to store and process beet sugar. The process does not release methane into the atmosphere, and it does not attract pests or rodents. Additionally, the powder can be used to make a variety of products, including sugar, ethanol, and bioplastics.

MARKET GROWTH

The global beet sugar market is valued at $4.31 billion and is expected to grow at a compound annual growth rate of 5.7% from 2021 to 2026. The growth of the market is being driven by increasing demand for sugar from developing countries, such as China and India.

The United States is the third largest producer of beet sugar in the world. The Michigan beet sugar industry is worth an estimated $1 billion and employs over 10,000 people.

Do you want to make a difference in the world? We are excited to partner with people who share our vision and who are committed to making a difference in the world. Whay Wait?

MANAGEMENT TEAM

The NuVive management team is composed of experienced professionals with a proven track record in the food and beverage industry. The team has a deep understanding of the challenges facing the beet sugar industry and is committed to developing innovative solutions that will benefit farmers, processors, and consumers.

FINANCIAL PROJECTIONS

NuVive projects that the CFD technology will generate revenue in its first year of operation. The company plans to cultivate 1000 acres of beet sugar in incremental 100 acres at multiple locations. The expected yield is 30 tons/acre using the CFD processing technology. The company plans to generate a stock of beet powder approximately 9,000 tons with a market value over $10 million. The company expects to be profitable within three years.

INVESTMENT HIGHLIGHTS

INNOVATION
NuVive is developing a new and innovative technology that has the potential to revolutionize the beet sugar industry.

TECHNOLOGY
The technology is more sustainable and efficient than traditional methods of storing and processing beet sugar.

MARKET
The market for beet sugar is large and growing, this technology will bring it the mainstream with the government Financial support as a sustainable resource.

MANAGEMENT
The NuVive management team is experienced and has a proven track record in the food and beverage industry.

VALIDATE AND DEVELOP
This will Validate and develop sugar beet crop as the source for ethanol production and bioplastic.

FINANCIAL PROJECTIONS

Plans for Growth

1,000 acres Cultivate beet sugar

100 acres Incremental at multiple locations

Yield

30 tons/acre Using the CFD processing technology

9,000 tons Generated stock of beet powder

Value

$10,000,000 Market Value

THE COMPANY EXPECTS TO BE PROFITABLE WITHIN THREE YEARS

CALL TO ACTION

NuVive believes that the CFD technology has the potential to revolutionize the beet sugar industry and make a positive impact on the environment. We are excited to partner with investors who share our vision and who are committed to making a difference in the world.

NuVive is seeking funding to implement it's technology on a commercial scale. The funding will be used to build and operate a pilot plant, and to conduct market research.

BENEFITS OF THE PROJECT

The NuVive project has the potential to provide a number of benefits, including:

- Increased yield and profitability for sugar beet farmers
- Reduced costs and improved efficiency for sugar processors
- More affordable and sustainable non-GMO sugar products for consumers
- Reduced environmental impact of beet sugar production
- Diversify sugar beet crop for using ethanol and bioplastic

For inquiries, contact us.

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