

Informational Sheet for Eastern BioPlastics, LLC

Quick Facts

Physical Address: 100 White Picket Trail
Mt. Crawford, VA 22841

Business Type: Limited Liability Company (LLC)

Incorporated: April 2008

Principal/Originator: Sonny Meyerhoeffer
Industry: NAICS 325211 "Resins, plastics
(except custom compounding purchased resins), manufacturing"

Primary Business Activity: Manufacturing biodegradable plastic resin and products

Product(s): Virgin and compounded keratin based resins

Target Markets: Horticulture Industry
Agricultural Film Applications
Automotive
Office Furniture

Company Description

Eastern BioPlastics is a green-technology start-up company that has implemented cutting edge technology and custom-designed machines to manufacture bioplastics from poultry feathers on an industrial scale. Sonny Meyerhoeffer, who brings a wealth of experience in agriculture, poultry, and business, is the entrepreneur behind the company's creation and development.

Eastern BioPlastics plans to manufacture virgin keratin-based resins and both sell these resins and further compound them to meet desired specifications. We plan to sell manufactured and compounded resins to our business partners who will further process these resins into end user products such as: greenhouse/nursery containers, agricultural films, automotive components, and/or office furniture.

Vision Statement

Become the leading manufacturer and distributor of bioplastics in the world.

Mission Statement

Engineer, implement and perfect processes and formulations to cost-effectively convert poultry feathers into bioplastics that meet the specific needs of local, national and international agricultural and consumer markets.

Core Values & Beliefs

Eastern BioPlastics recognizes success relies not only on our product, but on our ability to conduct business on both a professional and personal level. Our organization is centered on

the following values that demonstrate how we intend to develop and maintain relationships and convey our all encompassing value of commitment to success.

- w We recognize the value of our employees and partners and will strive to foster an environment that ensures high employee and customer morale.
- w We respect employees, partners, stakeholders' and the community at large and believe respect encourages individuals to respond by giving their best efforts.
- w We respect the environment through conscious awareness and conservation.
- w We encourage and support innovation and change as we recognize the global environment is rapidly changing.
- w We form relationships and carry out day-to-day business with honesty and integrity.

Business Goals

EBP has identified the following business goals and objectives.

Environmental

- w Manufacture sustainable, carbon neutral, bioplastics from 100% renewable biomass
- w Replace petro-plastic with feather-based bioplastics
- w Reduce plastic waste
- w Replace crude oil feed stock used in traditional plastics with poultry feathers and glycerol
- w Reduce processing CO₂ emissions by 30%, or more, as compared to petro-plastic alternatives
- w Reduce the life-cycle of carbon by re-fixing and generating "new" carbon as quickly as ten to fifteen years to be used to generate new energy for future plant growth

Economic

- w Produce and sell an annual 3.8 million pounds (2,000lbs/hr) of bioplastic resin
- w Add value to poultry feathers
- w Boost biodiesel production by creating demand for glycerol (by-product of biodiesel production)
- w Compete with petro-plastic market prices

Social

- w Create 20+ "green collar" jobs in the Shenandoah Valley
- w Manufacture bioplastics that take nothing away from the food chain
- w Achieve ASTM D6400 certification for biodegradability and compostability
- w Implement effective marketing campaigns that educate consumers on the value of bioplastics and other sustainable alternatives

Product

Eastern BioPlastics biodegradable plastic properties are comparable to conventional, petroleum-based, Polyethylene (PE) and Polypropylene (PP) plastics. Composition,

biodegradability, and energy efficient processing represent a few differentiating characteristics from conventional plastics. Our biodegradable plastic is derived from poultry feathers (rather than petroleum), it biodegrades within months in landfill conditions, and it takes less energy to process. Unlike other marketed bioplastics, our bioplastic does not require inputs from the food chain, thereby stabilizing the cost of raw material inputs. Consumer products manufactured with Eastern BioPlastics resin include:

- 1) Greenhouse & Nursery Containers – 3" to 4" pots
- 2) Agricultural Films – plastic mulch used by vegetable growers as ground cover

Focusing on reducing vegetable farmer and greenhouse/nursery labor and disposal expenses, the biodegradable nature of the agricultural films will allow the plastic to be disked back into the field following planting season drastically reducing removal and disposal costs. Similarly, pots and containers can be planted directly in the ground, reducing the amount of time spent repotting and eliminating fees associated with disposal.

In contrast to existing biodegradable plastics that are significantly more expensive, Eastern BioPlastics intends to keep its biodegradable plastic's market price competitive with conventional, petroleum-based alternatives. Low-demand, low-cost inputs and energy efficient production creates a cost structure that allows competitive market pricing.