

How to Manufacture Maize, Corn and its By Products (Edible Corn Oil, Corn Starch, Dextrose, Liquid Glucose, Sorbitol, Oil, Gluten, Germ Oil, Fiber, Steep Water, Wet Milling, Maize Starch Plant & related Products, High-Fructose Corn Syrup (HFCS), etc.)

Description:

Agriculture is one of the strongholds of the Indian economy and accounts for 18.5 per cent of the country's gross domestic product. Andhra Pradesh, Karnataka, Bihar and Maharashtra are the major maize producing states. The products from maize are value added products which include maize starch, liquid glucose, dextrose monohydrate, anhydrous dextrose, sorbitol, corn glutenol name a few. In India, the prime source of starch is maize and the textile industry is for long the largest buyer of maize starch in India.

Maize is one of the most important cereal crops of the world and contributes to food security in most of the developing countries. In India, maize is emerging as third most important crop after rice and wheat. Its importance lies in the fact that it is not only used for human food and animal feed but at the same time it is also widely used for corn starch industry, corn oil production, baby corns etc.

Why is maize an interesting business opportunity?

Maize farming and production business in India is a high-potential opportunity for the continent. Maize (also known as 'corn' in some countries) is one of the most common and important food crops across India. In fact, many of our daily diets contain maize either directly or indirectly. Production of meat, eggs and dairy products (like milk and yoghurt) would be difficult without maize, which is a hugely important ingredient in animal feed. Maize has quite a high starch content which makes it a high-demand industrial raw material. The starch obtained from maize is processed into several additives, agents and ingredients such as dextrine, sorbitol, sorbic acid and lactic acid. You may not recognize these substances but they are used in many household items that you know and use such as: ink, cosmetics, paint, medicines, syrups, ice cream, shoe polish, fireworks batteries and glue.

The major products to be produced in the plant are:

1. Starch

Food Grade, Pharma Grade, Textile grade

2. Liquid Glucose

3. Maltodextrin

4. Dextrose Monohydrate

5. Glucose-D

6. Maize Gluten

7. Maize Germs

8. Maize oil & cake

9. Corn Steep Liquid

10. Maize Fiber

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