



Zuckerpak is made from bagasse. It is the fibrous matter that remains after sugarcane stalks are crushed to extract their juice. It is mostly utilized for steam and power production for domestic sugar mills.



1. For each 10 tonnes of sugarcane crushed, a sugar factory produces nearly 3 tonnes of wet bagasse.

Pith will be consumed in the boilers of sugar mill as the fuel

2. de-pithed bagasse will be conveyed to the storage yard and kept in wet storage system.

36.7°

Sugarcane growing countries of the world are between the latitude 36.7° north and 31.0° south of the equator extending from tropical to subtropical zones.

0°

Sugarcane is the world's largest crop. In 2010, FAO estimates it was cultivated on about 23.8 million hectares, in more than 90 countries, with a worldwide harvest of 1.69 billion tonnes. Brazil was the largest producer of sugar cane in the world.

■ five major producers

31.0°

Bagasse Handling

2. Bagasse is reclaimed from storage yard to bagasse washing system

3. three various stages washing

4. "Cyclone" to separate soil and sand

5. "Dewatering Rotary Screen" to reduce water content

6. "Magnetic Tramp Iron Separator" and "Belt Scale" for checking and controlling of bagasse volume

7. NaOH

8. reduce temperature in "Cold Blow"

9. "Blow Tank," stored

10. "Brown Stock Washer" for cleaning

11. Unbleached pulp is sent to high pressure screen and centrifugers to remove sand and plastic and to reduce water content

12. Pulp Machine

13. Roller press machine for forming paper



END OF LIFE DISPOSAL OPTIONS

- Disposal option =
1. compost.
2. Landfill

HOW BAGASSE PRODUCTS COMPARE



Less water and energy is required to produce Bagasse than Styrofoam, paper, and recycled paper.



Less CO2 is emitted by creating Bagasse over Styrofoam and paper. Recycled paper, however, emits even less than Bagasse.



Trees can take up to 30 years to mature, while sugarcane only takes one year making it a sustainable resource.

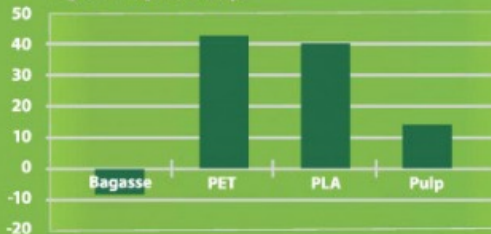


Considered a disposable-sustainable product

Carbon Dioxide emitted and sequestered, attributed to Bagasse during sugarcane growth and processing.

CO2 Sequestered in Total per Hectare per Year.....	58,172 kg CO2
CO2 Sequestered in Bagasse per Hectare per Year.....	18,114 kg CO2
CO2 Emissions in Total per Hectare Processed per Year.....	1191 kg CO2
CO2 Emissions attributed to Bagasse per Hectare Processed per Year.....	357 kg CO2
Bagasse Produced per Hectare per Year.....	9900 kg Bagasse
Net CO2 Sequestered per kg Bagasse.....	1.794 kg CO2/kg Bagasse

kg CO₂ eq/1000 trays



BIOCANE PRODUCTS ARE COMPOSTABLE

Since Zuckerpak products are made from naturally grown sugar-cane, they are easily converted by nature back into simple, stable compounds that are absorbed back into the ecosystem. This process of "biodegrading" takes only a few months with normal composting and introduces no toxins into the environment.

According to Planet Green, recycling and composting efforts prevent 64 million tons of material from going to landfill or incineration in each year.

So if you are looking for a socially responsible line of disposable plates, bowls, or containers – take a look at Zuckerpak No paper, no Styrofoam, just pure natural renewable sugar cane.



www.zuckerpak.com