**A WORLD OF SUGAR**

### DID YOU KNOW?

- Sugar has been consumed for thousands of years. It is mentioned in ancient Chinese and Egyptian texts.
- The world’s first sugar refinery was established in the 12th century in India.
- In the 19th century, Alexander the Great discovered the sugarcane and brought it to the New World.
- Sugar is used in many culinary and industrial applications.

### WORLD SUGAR PRODUCTION IS FORECASTED TO REACH 207.7 MILLION METRIC TONS IN 2021/2022.

### APPLICATIONS IN ACTION

Sugar (sucrose) is a natural and functional ingredient in many foods, providing taste, texture, and function. It is consumed in moderation as part of a balanced diet.

### WHY DECOLOR CANE SUGAR?

Decolorization technologies have been developed to enhance white sugar production yield by 20–30%, providing economic benefits and environmental benefits.

### THE CANE SUGAR REFINING PROCESS

1. **Crystallization**
   - The crystals are dissolved with hot syrup to produce a dilute thin syrup.

2. **Remelting**
   - The crystals are dissolved with hot syrup to produce a dilute thin syrup.

3. **Decolorization**
   - The thick juice is processed through ion exchange resins to lower its color, enough to produce white sugar.

4. **Affination**
   - The sugar is dried to achieve the desired level of purity.

5. **Dryness/Packaging**
   - Hot dry air is passed through the sugar crystals to prevent future hardening or caking.

### DECOLORIZATION WORK?

Advanced ion exchange resin technology is an excellent choice for cane sugar decolorization, offering system flexibility and low cost to operate. Key benefits include maximum output and high-quality sugar production.

### THE PEOPLE OF NEW GUINEA WERE MOST LIKELY THE FIRST TO HARVEST SUGARCANE.

### CROSS THE SALTY SEAS

- **Europe**
  - 15.5%
  - 8.4%
  - 18.5% of the sugar market.

- **US**
  - 72.8%

- **India**
  - 10.5%

- **China**
  - 10.5%

### ### SUGAR MILLS

**Source:** 
- www.bccresearch.com
- USDA: http://www.usda.gov
- FAO: http://www.fao.org
- UNCTAD: http://unctad.org
- International Sugar Organization: http://www.iso.org
- World Sugar Council: http://www.world sugars.org
- World Health Organization: http://www.who.int