

be **green**  
 be **innovative**  
 be **versatile**  
 and still **recyclable**



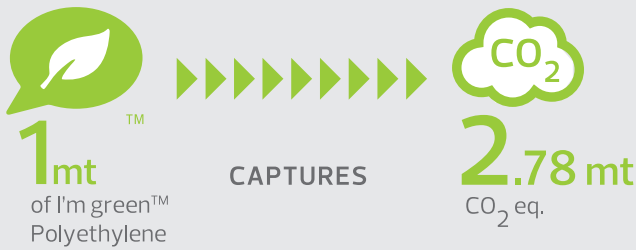
TM

**Renewable Plastic**

Braskem pioneered the development of Green Polyethylene, or "Green Plastic," for production on an industrial scale. Combining innovation, technology and sustainability, Green Plastic is made from sugarcane (ethanol), a 100% renewable resource, and is the world's first resin to be certified.

Green Polyethylene is used widely in packaging for consumer goods. It makes a significant contribution to reducing greenhouse gas emissions, which is aligned with consumers' growing interest in sustainable solutions.

**Positive carbon footprint**



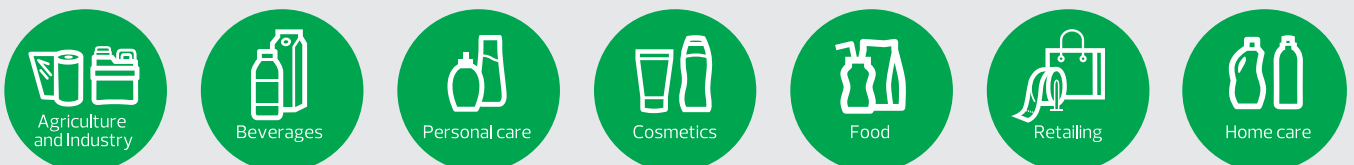
From cradle to Braskem's gate, this biopolymer made from ethanol captures 2.78 metric tons of CO<sub>2</sub> eq. for every metric tons of Green PE produced. The savings generated by manufacturing 200 kt of Green PE offsets the emissions of 100,000 people.

**Green Polyethylene lifecycle**



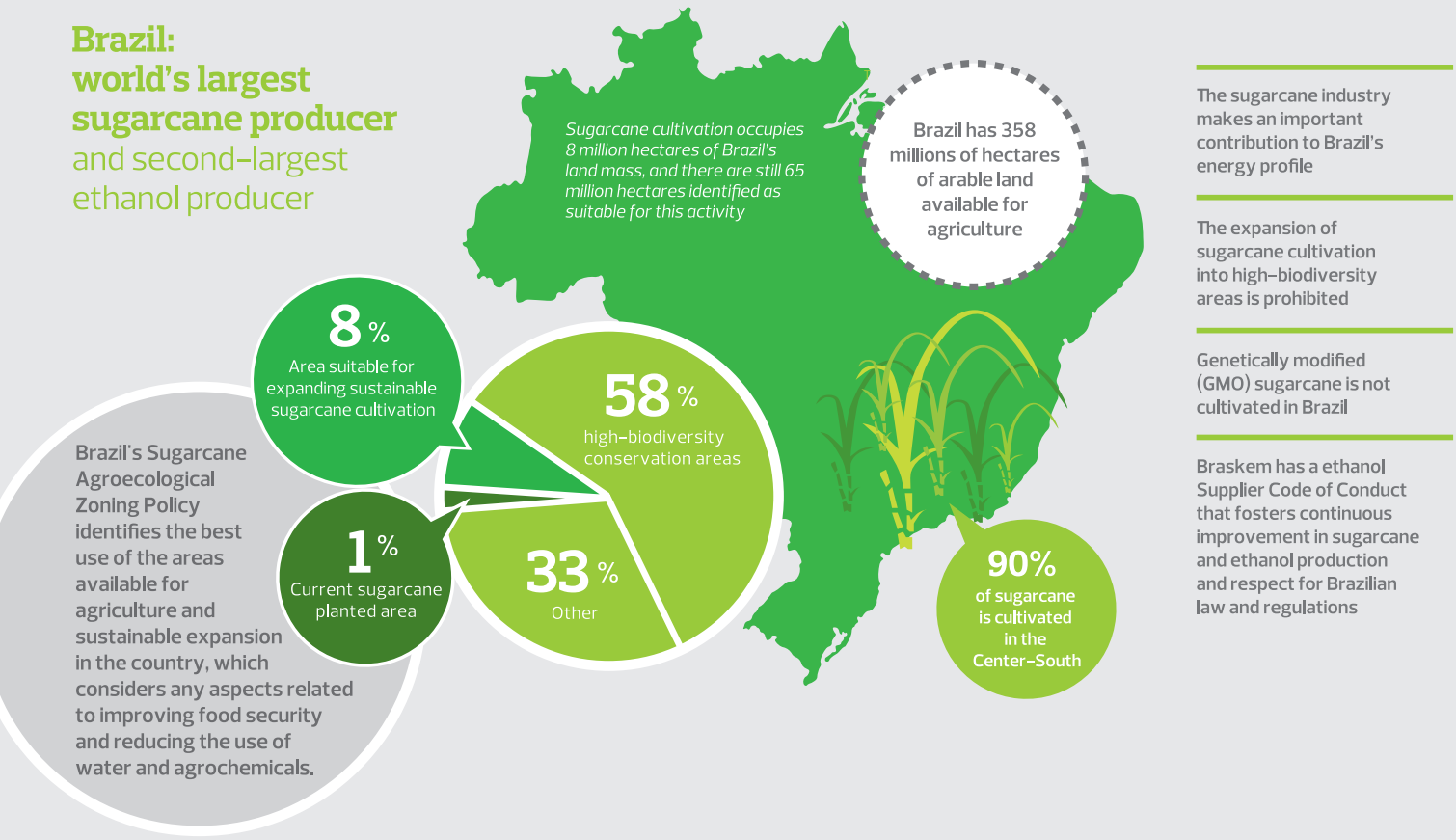
**Innovative industries have adopted I'm green<sup>TM</sup> Polyethylene**

Approximately 30 grades in the HDPE, LLDPE and LDPE families that cover a wide range of applications.



**Drop in: substituting conventional polyethylene with Green Polyethylene does not require investments in new plastics manufacturing machinery.**

**Brazil:**  
world's largest  
sugarcane producer  
and second-largest  
ethanol producer



**Braskem in numbers**

Base year 2016

Exports to more than  
**70**  
countries

**7**  
pilot plants

**40**  
industrial plants

**903**  
patents filed in Brazil  
and abroad

**2**  
technology centers

**24**  
laboratories

