



**I'm green**<sup>TM</sup>

be green  
be innovative  
be versatile  
and still recyclable

## 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 **3.09** metric tons of CO<sub>2</sub> eq. for every metric ton of Green PE produced. The savings generated by manufacturing 200 kt of Green PE offsets the emissions of more than **89,500** 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.

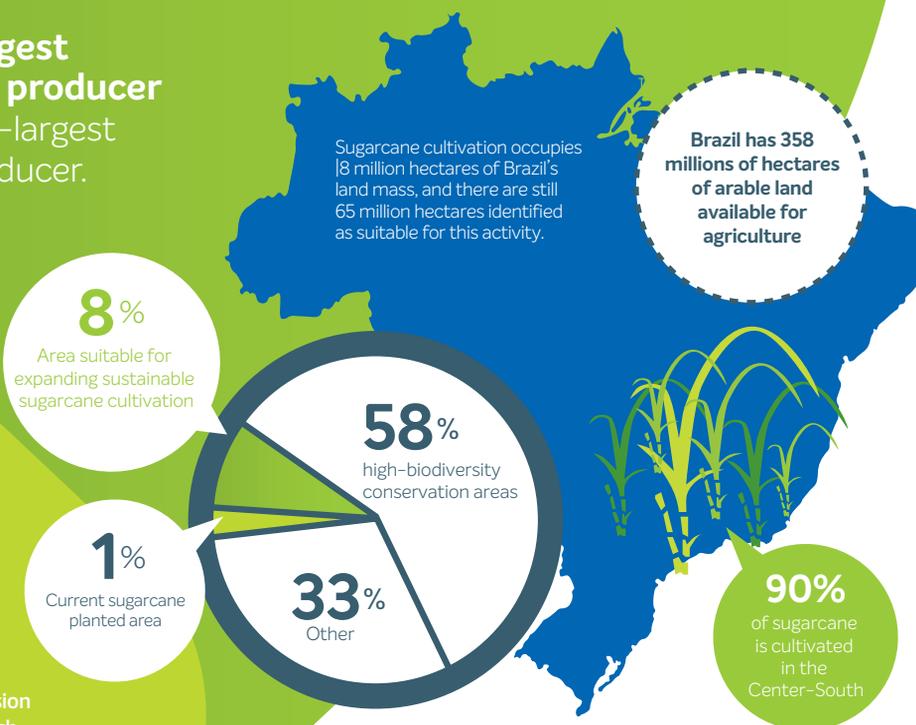


**Drop in: substituting conventional polyethylene with Green Polyethylene does not require investments in new plastics manufacturing machinery.**

# I'm green™ and land use in Brazil

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

Brazil's Sugarcane Agroecological Zoning Policy identifies the best use of the areas available for agriculture and sustainable expansion in the country, which considers any aspects related to improving food security and reducing the use of water and agrochemicals.



The sugarcane industry makes an important contribution to Brazil's energy profile.

The expansion of sugarcane cultivation into high-biodiversity areas is prohibited.

Genetically modified (GMO) sugarcane is not cultivated in Brazil.

Braskem's relationship with the ethanol supply chain is guided by its Responsible Ethanol Sourcing, updated in 2017, with the support of ProForest, a UK-based sustainability management consulting firm with expertise in natural resources.

## Braskem in numbers

Base year 2016

