FROM SUGARCANE TO GREEN POLYETHYLENE

1 HECTARE of Land

82.5 TON Sugarcane

1,900 GAL Ethanol

3 TON Green Ethylene

SMALLER CARBON FOOTPRINT

Green Polyethylene

The sugarcane crop metabolizes the CO₂ to produce sucrose.

At the distillery, the sugar juice is fermented and distilled to produce ethanol.

Through the dehydration process, the ethanol is transformed into green ethylene.

The green ethylene then goes to the polymerization plants where it is transformed into I’m green™ bio-based polyethylene.

The I’m green™ bio-based polyethylene is used to make the Deterra pouch.