

## **Corncob ethanol may help cut China's greenhouse gas emissions**

August 8 2018



Credit: CC0 Public Domain

A new *Biofuels, Bioproducts and Biorefining* study has found that using ethanol from corncobs for energy production may help reduce greenhouse gas emissions in China, if used instead of starch-based ethanol.



China has committed to limiting its emissions by 2030, and biofuel is considered the key to lower emissions from transportation. The authors note that corncobs are abundant agriculture residues, and the government should provide stronger incentives to encourage the industry to invest in corncob ethanol.

"Our life-cycle assessment suggests that corncob ethanol emits about 50% less greenhouse gas than <u>corn ethanol</u>," said co-author Dr. Yu Wang, of Iowa State University.

**More information:** Yu Wang et al, Lifecycle energy consumption and greenhouse gas emissions from corncob ethanol in China, *Biofuels*, *Bioproducts and Biorefining* (2018). DOI: 10.1002/bbb.1920

Provided by Wiley

Citation: Corncob ethanol may help cut China's greenhouse gas emissions (2018, August 8) retrieved 29 June 2024 from <u>https://phys.org/news/2018-08-corncob-ethanol-china-greenhouse-gas.html</u>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.