

THE BIOCHAR ADVANTAGE

Biochar is a carbon-rich soil and livestock feed additive made from agricultural and forestry waste (or biomass).

LEARN MORE:



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[www.chemistswithoutborders.org/
Active-Projects/climatechange.php](http://www.chemistswithoutborders.org/Active-Projects/climatechange.php)

BENEFITS

➤ CROPS

Biochar has been demonstrated to:

- **Increase crop yield** by up to 60%
- Increase water and fertilizer retention
- Moderate the acidity of soil
- Facilitate soil reclamation



➤ LIVESTOCK



- As a **feed additive**, biochar can decrease the incidence of dysentery by 77%, decrease chick mortality rates, and improve growth.
- Biochar can be added to **bedding** to reduce the emission of ammonia and methane as well as odours and humidity.

➤ THE ENVIRONMENT



- When plants decompose, the carbon they absorbed during photosynthesis is released back into the atmosphere.
- By turning biomass into biochar, carbon remains trapped in its solid form, thus creating a **carbon-negative cycle**.