Feed Efficiency Starts Here
Improve feed efficiency by about 5% with Enogen® hybrids when fed as either grain or silage.
To understand what separates Enogen® hybrids from other corn hybrids, it's important to understand how beef and dairy cattle digest corn. Unlike other animals, ruminants have a four-compartment stomach that allows them to digest forages, like grass and hay, very efficiently. **However, starches work a little differently.**
Science Sets
Enogen Hybrids Apart

Starch in corn provides energy needed to enhance production. However, a ruminant’s stomach is more efficient at digesting forages than the energy-rich starches found in corn.

Enogen corn hybrids contain a highly efficient alpha amylase enzyme that unlocks energy from each kernel. Alpha amylase has one job: convert starch to simple sugar. The amylase in Enogen grain or silage drives the conversion of starch to usable sugars more efficiently, increasing digestibility compared to other corn.
More Available Energy May Lead to Increased Feed Efficiency.

Enogen grain is more easily digested by cattle, leading to increased post-ruminal and total tract digestion.

A more easily digested ration means more available energy for cattle, which can positively impact production and may decrease feed costs.

Greater Profit Potential

- Enogen corn hybrids may increase feed efficiency by about 5%, according to recent feeding trials at leading universities¹

- Farm-proven results demonstrating excellent yield potential with elite genetics and traits

- Ultimate flexibility, with the option to harvest as silage, grain or high-moisture corn

- Silage quality and consistency, making it less prone to spoilage, which means it may last longer than other silage²


Higher Feed Efficiency Supports Sustainability

Life Cycle Assessment (LCA) shows potential environmental savings could be significant: increasing feed efficiency by about 5% in backgrounding and feed yard could yield savings like these per 1,000 head.¹

- **CLIMATE CHANGE**
  - > 162k kg CO₂e
  - GHG Equivalent of 35 Passenger Cars for 1 Year

- **LAND USE**
  - 66 Acres
  - Land Use Equivalent of 50 Football Fields over 1 Year

- **WATER USE**
  - > 6m Gallons
  - Water to Fill 9 Olympic Swimming Pools over 1 Year

- **ENERGY USE**
  - > 269,000 kWh
  - Energy to Power 25 Average Homes for 1 Year

ENERGIZE PRODUCTIVITY

Contact a Golden Harvest Seed Advisor or NK retailer, or visit EnogenFeed.com.

¹ Based on LCA conducted by the University of Arkansas Resiliency Center, 2020, for 1000 head, backgrounding through feed yard, using these experimental data and resources, Transl. Anim. Sci. Volume 3, Issue 1, January 2019, 504-512, https://doi.org/10.1093/tas/bxy121 (Exp 2); Kansas Agricultural Experiment Station Research Reports: Vo. 4: Issue 1, https://doi.org/10.4148/2378-5977.7543 (Exp 1); https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator; https://www.eia.gov/tools/faqs/faq.php?id=9782=t3. © 2021 Syngenta. Enogen®, Golden Harvest®, NK® and the Syngenta logo are trademarks of a Syngenta group company.