



# UNLOCKING GENETIC POTENTIAL IN CORN

Proper nutrition is the foundation for maximizing growth, yield and returns. Ensuring optimal care for corn plants early on enhances their ability to use sunlight and nutrients efficiently. When this happens, robust corn plants thrive under any growing condition.

Sycon is a unique mixture of nutritional and metabolic signaling compounds that prime plants from an early stage of development to lift their genetic yield potential. HELM's leading nutrigenomic research shows Sycon amplifies the conversion of nutrients into proteins, which creates that excellent foundation for crop growth.



+17% increase in number of kernels vs. UTC



UNTREATED

SYCON APPLICATION



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## SCIENCE EXPLAINED

- Includes a unique formulation of **proprietary bio-stimulants, potassium, sulfur, nitrogen, manganese and zinc**
- Strengthens defense mechanisms to help corn and other plants mount a natural, comprehensive immune response against the threat of biotic and abiotic stressors

## EFFECTS ON THE PLANT

- Improves nitrogen use efficiency by supporting nitrate and nitrite reductase enzymes, converting nitrates taken up by the plant into ammonium  $[NH_4]^+$ , and further helping turn  $[NH_4]^+$  into essential amino acids for higher yields
- Elevates  $CO_2$  acquisition and photosynthetic activity to benefit nutrient use, water use and stress mitigation
- Maximizes plant growth in any environmental condition



## SYCON BENEFITS

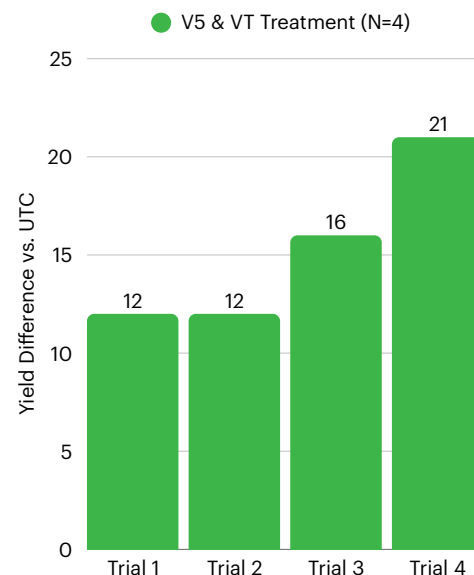
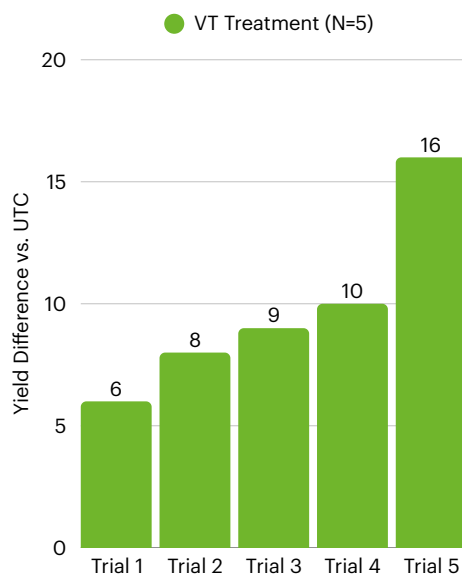
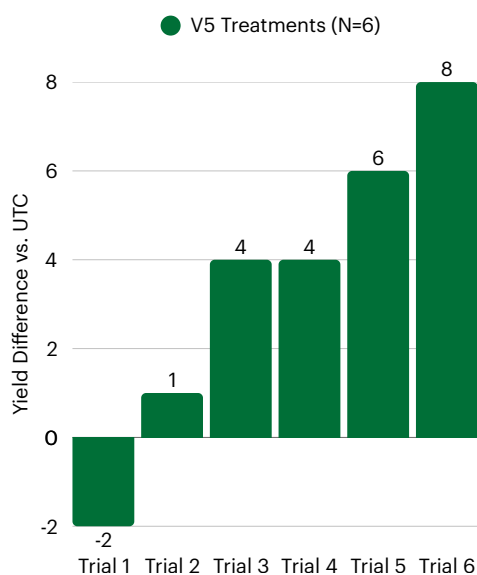
- Studies show increased yields in programs with this technology across a variety of crops
- Works across all growing environments and conditions through multiple active ingredients
- Excellent tank mix partner with easy-to-use formulation that allows for safe handling and application
- Highly compatible in a tank mix with a low use rate
- Distinguished crop and environmental safety profile

## PRODUCT SPECIFICATIONS

<b>Brand Name</b>	<b>Sycon</b>
<b>Category</b>	Bio-stimulant and nutritional (crop development and defense)
<b>Active Ingredient</b>	Complex of nutrients and proprietary plant metabolites
<b>Crops</b>	All
<b>Formulation</b>	Liquid solution
<b>Packaging</b>	2x2.5 gal 264-gal tote
<b>Applications</b>	
Corn	V3 - V5 and/or VT - R1
Wheat	Feekes 4 - Feekes 7 and/or Feekes 10.1 - Feekes 10.5
Soybeans	V2 - V4 and/or R1 - R3
Cotton	Pinhead Square - First Bloom
<b>Rate</b>	Recommended at 22 fl oz/A

## 2024 CORN TRIALS

Sites in IN, NC, SD, TN, TX, WI. N=15



**Avg. Yield Increase = 8.7 bu/A**  
**Avg ROI = 3.7:1 @ \$4.00/bu**



For more information visit [HELMcrop.com](https://HELMcrop.com).

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