

# WHEAT

## PLANT ADVANTAGE™



**Soil-Set®, Grain-Set®, Scyon® and Liqui-Plex® Bonder work together to give wheat an advantage for higher productivity, biomass and yield.**

### SOIL HEALTH

Use **Soil-Set** to:

- Increase populations of beneficial microbes to outcompete pathogens in the soil.
- Maximize nutrients available to the plant.
- Improve residue breakdown and soil organic matter.

### CROP DEVELOPMENT

Use **Grain-Set** to:

- Promote strong plant growth, including root development, for more nutrient access and a stronger stalk.
- Stimulate chlorophyll production to increase crop quality and yield.

### CROP DEFENSE

Use **Scyon** to:

- Improve nutrient uptake, transport, storage and mobilization through a combination of six metabolites.
- Elevate photosynthetic activity for additional plant productivity.
- Bolster plant vitality in the face of biotic and abiotic stressors.

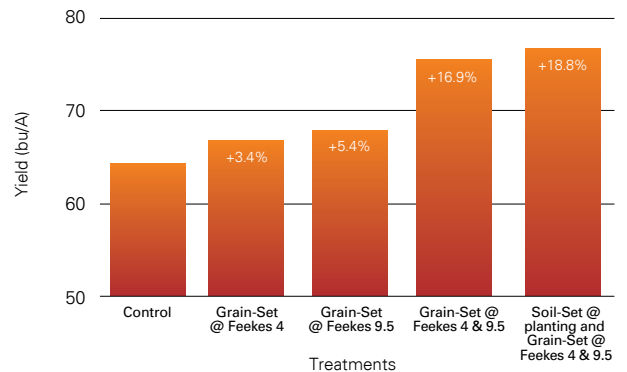
### AMINO ACIDS

Use **Liqui-Plex Bonder** to:

- Provide a natural, balanced source of 18 essential amino acids.
- Improve chlorophyll production and photosynthetic activity.
- Optimize wheat performance during critical growth stages.

Winter wheat showed optimal response when **Grain-Set** and **Soil-Set** were applied at Feekes 4 and 9.5.

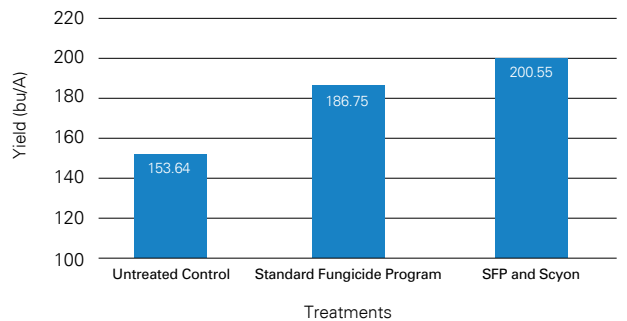
Grain-Set Effects on Winter Wheat Yield



**Scyon** delivered consistent performance across a variety of environments and practices.

The Effects of Scyon and Fungicide in Wheat

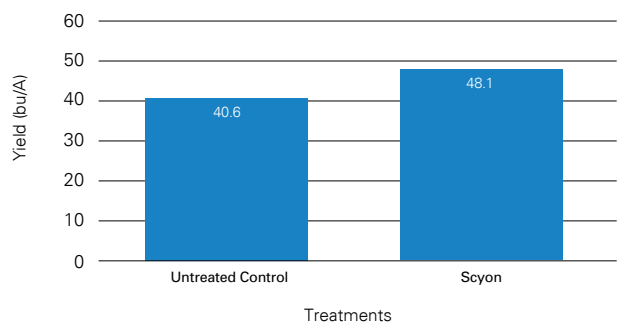
Trial conducted by Dr. T McCabe, University College Dublin



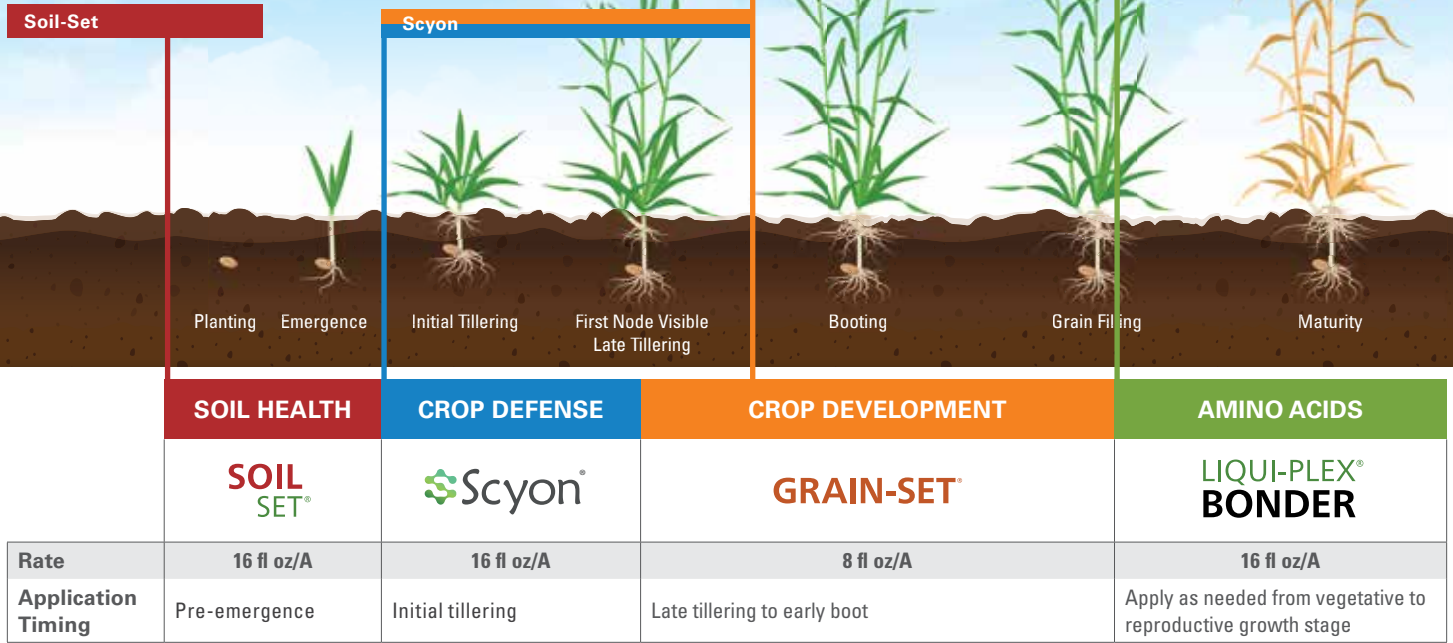
In this trial, **Scyon** was applied late at Feekes 9 instead of at the recommended Feekes 5-7.

The Effects of Scyon on Western US Wheat

Trial conducted in Bonners Ferry, Idaho



# APPLICATION TIMING



## SCIENCE-BASED SUPERIORITY

In contrast to live microbial products, which require fostering a viable culture in precise environmental conditions, our products use the beneficial metabolites produced by microbes – not the microbes themselves. The result is a consistent, effective product every time.

### About fermentation and metabolite technology

Many of HELM’s Plant Advantage™ products are built on a foundation of fermentation-based metabolites. These metabolites have a beneficial effect on soil and crops. They won’t feed harmful microbes or pathogens and, in many cases, will outcompete pathogens to reduce plant stress.

### Where our fermentation- and metabolite-based products win:

- Stable and stand up to most on-farm storage conditions.
- Can be stored for multiple growing seasons without compromising quality.
- Compatible with most tank mix chemicals.
- Produced in a laboratory setting for high precision, uniformity and consistency with every batch.

Geek out on **more** fermentation science:



**Give this year’s wheat crop the ultimate advantage.**

Reach out to your regional HELM sales rep today.



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