



## The Lodging Management Choice for High-yielding Cereals

Palisade<sup>®</sup> EC plant growth regulator (PGR) helps mitigate lodging challenges caused by adverse weather or higher nitrogen fertilization levels. By shortening the internodes and strengthening the stem through inhibition of cell elongation, Palisade EC shortens plants, which leads to reduced lodging and improved standability. Because lodging can reduce yield by 10 to 40 percent, an application of Palisade EC helps protect cereal growers' valuable crop investments.

**Increased Stem Thickness**



Untreated

Treated with Palisade EC

### Benefits of Palisade EC

- Shortens internodes to reduce crop height and lower center of gravity, which improves crop standability and mitigates risk of lodging from adverse weather
- Increases stem thickness and diameter to help strengthen the stem and decrease lodging, which avoids harvest delays, yield loss and reduced grain quality
- Allows growers to use higher N fertilization or mitigate threat of potential high N levels from previous crop or manure applications
- Reduces the threat of lodging when using taller varieties that could be more prone to lodging
- Offers a wide application window to help growers optimize spray programs for cost efficiency and flexibility
- Offers tank-mix flexibility with most herbicides, insecticides, fungicides and fertilizers, including liquid N
- Has very good crop tolerance when applied between Feekes Growth Stages 4 and 7

# Use Recommendations

**Crops** – Registered for uses on cereals and grasses grown for seed

**Application** – Feekes 4-7/Zadoks 29-32. Apply at onset of stem elongation and before emergence of flag leaf. On barley, it is recommended to apply before the third node.

## Wheat Lodged vs. Wheat Standing



Syngenta trial in Clinton County, Ill.

## Wheat Treated with Palisade EC: Shorter, Greener



Syngenta trial in Daviess County, Ky.

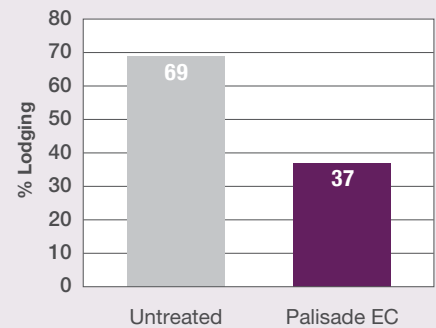
## Reduced Plant Height



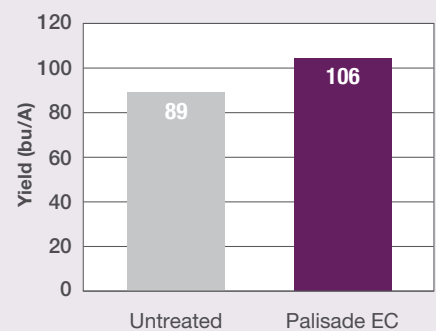
Source: University of Tennessee, Martin.

## Performance Under High Lodging Situation

### Better Standability



### Maximized Yield Potential



Maystown, IL. Treatment also included Quilt Xcel® fungicide and 45 units of nitrogen.

