

Plant Growth Regulator (Palisade)

Choosing the Right Field

- Preferably planted with a tall variety with weaker straw strength
- Preferably fertilized with a high N rate that will increase the risk of lodging
- Plots typically run the full length of the field and must be wide enough to allow for at least one full combine pass through the plot that avoids sprayer tracks (usually 100-140 ft). Harvesting with a guidance system is also easier with wider plots.
 - If sprayer tracks cannot be avoided, then each strip should include sprayer tracks. The important thing is that all blocks are treated the same.

Data that Research Coordinator Will Collect

- Precipitation
- Plant height
- Lodging
- Yield, moisture, test weight

Palisade Application

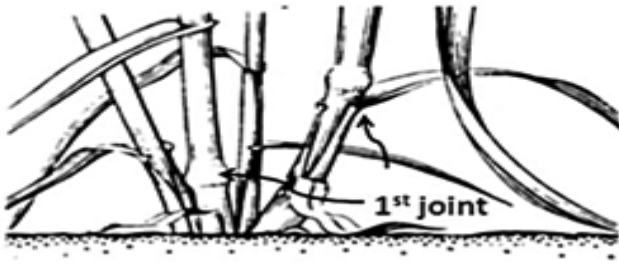
- 12oz/ac of Palisade; one 2.5 gal container will cover 26.6 acres
- The ideal timing is when you can detect two nodes on the stem (Feekes 7; see below)
- Do not apply if the crop is stressed by drought, disease, or extreme high/low temperatures. Best results occur when the crop is actively growing on and around the time of application.
- Palisade can be tank mixed in a solution containing 50% liquid nitrogen fertilizer; for this trial we ask that you do not add any UAN to the treated plots.
- Please do not use an adjuvant. If tank mixing Palisade with other chemicals, please review with the Research Coordinator before application.
- A minimum of 10 gal of water applied with flat fan nozzles is needed for thorough canopy coverage.

Harvest

MN Wheat will be present at harvest with one weigh wagon to measure plot yields unless you would rather use a grain cart equipped with a scale. The combine will need to either unload into the weigh wagon or into a grain cart, and then into the weigh wagon. Grain will be sampled from the weigh wagon to test moisture and test weight.

This is a tight window for application

1st joint (or node)



http://msue.anr.msu.edu/news/wheat_growth_and_development_reaching_first_joint_stage



Jointing – first node is Feekes growth stage 6. At this stage can apply Palisade. However, the ideal time to apply Palisade is Feekes 7 (2nd node). Approximately 5-10 before the flag leaf emerges

PALISADE MUST BE APPLIED PRIOR TO THE FLAG LEAF EMERGENCE (FEEKES 8). AN APPLICATION AT THIS POINT WOULD BE OFF LABEL

Palisade cannot be tank mixed with more than two other oil or EC products



<http://www.arkansas-crops.com/2015/03/20/struggles-topdressing-nitrogen/>