

For grain growers looking to push the genetic potential of their crop

MODDUS EVO®, Syngenta's new Plant Growth Regulator (PGR), is now registered. MODDUS EVO contains the active ingredient trinexapac-ethyl. When applied to actively growing crops, MODDUS EVO helps to produce shorter, stronger plants with enhanced root systems, significantly reducing the risk of lodging.

MODDUS EVO:

- Minimises stem lodging by increasing lower stem strength and reducing overall plant height
- Thickens the base and stem wall of the plant
- Improves crop standability

What do these factors deliver growers?

- Reduces harvesting hassles i.e. picking up lodged crops
- Increased yields in high potential cereal crops
- Improved harvest index – Minimised lost grain
- Improved grain quality

What is lodging?

In cereal crops there are two ways in which a crop can lodge:

1. Stem lodging – key influencing factors: stem strength and crop height
2. Root lodging – key influencing factors: root anchorage and soil type

In Australia, stem lodging is the most common form of lodging experienced by growers. MODDUS EVO is extremely effective at reducing stem lodging but works on both forms.



Figure 1: Commander Barley in Maitland was treated with MODDUS EVO at 300 mL/ha at growth stage GS 30, followed by 200 mL/ha at GS 37 (right of picture). The crop treated with MODDUS EVO yielded 5.73 t/ha whereas the untreated crop yielded 5.18 t/ha. (Trial, J & D Southwood Pty Ltd, Maitland South Australia.)

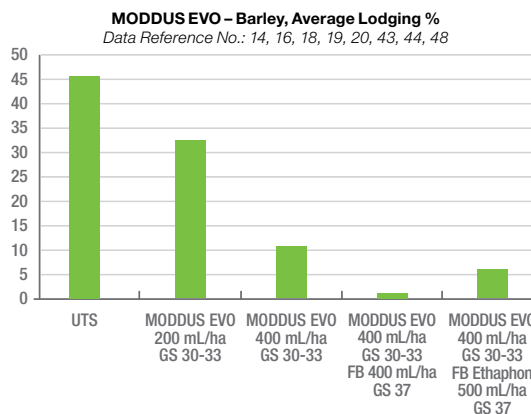


Figure 2: MODDUS EVO reduces the percentage of lodging in barley.

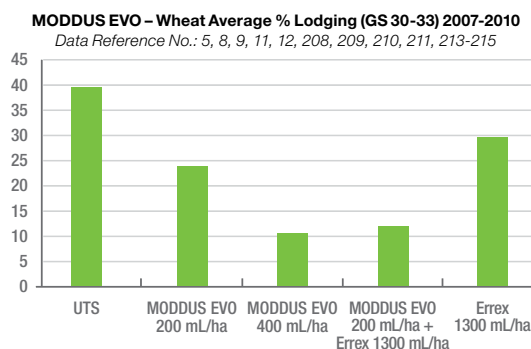


Figure 3: MODDUS EVO reduces the percentage of lodging in wheat.

Application

Timing: GS 31 (in wheat, barley and oats) and GS 37 (2nd application in barley)

Wheat: 300-400 mL/ha MODDUS EVO (alone); 200 mL/ha MODDUSEVO + 1-1.3 L/ha ERREX (tank mix)

Barley: 300-400 mL/ha MODDUS EVO (alone). Up to two applications in barley

Oats: 300-400 mL/ha MODDUS EVO (alone)



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