

Moddus, Large Scale Commercial Evaluation

Syngenta has joined forces with SEPWA to evaluate the potential of Moddus, a new plant growth regulator which helps prevent crop lodging, in the SEPWA trials this year.

Some of the “side effects” of Moddus are still yet to be quantified, but paddock observations and trial results have suggested there are “Crop Enhancement” benefits as well.

Some of the benefits of Moddus include better root growth which leads to better water use efficiency and nutrient uptake and an increased stem wall thickness which has shown a reduction of head loss in barley. Another benefit is stem wall thickness that results in the increased flow of carbohydrates to the grain which increases yield and quality; and also a reduction of overall plant height that has the potential to reduce stubble issues in the following season.

Objective: To evaluate the efficacy in terms of lodging reduction as well as yield enhancement and crop safety of MODDUS when used in cereal crops. Area sprayed across SEPWA Wheat Variety trial and boom strip in Gairdner Barley at Mr. Andrew Duncan property at Mt Madden.

Andrew Duncan 8th October, 2012

Gairdner Barley Strip

A 36.5 metre strip (boom width) was sprayed in a bulk crop of Gairdner Barley with Moddus at 300 mL/ha on the 16th August, 2012. The Gairdner Barley was sown at 60 kg/ha on the 17th May 2012. Samples of the Gairdner Barley were taken from the same row for both the Moddus and untreated area. The Moddus was sprayed across the sowing. There was an effect of Moddus on plant height, the length of node interval and cell wall thickness when compared to the untreated area.

