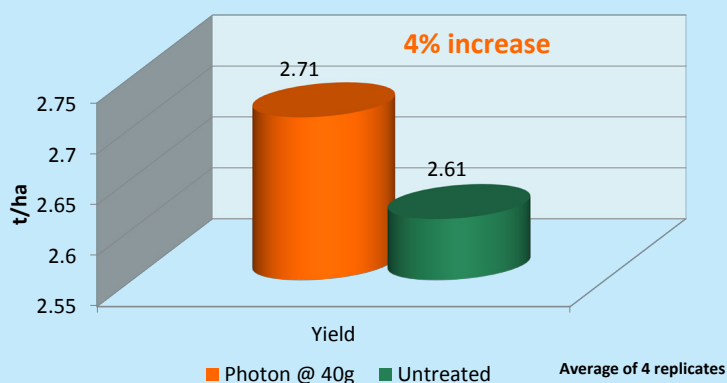# Improve flower retention and yield in CANOLA with Photon

Canola growers face an annual challenge to hold onto flowers and maximise pod set in their crops. Photon 500SG gives growers a management tool that assists the plant to remain productive during periods of abiotic stress, either from chill, heat or other adverse growing conditions.

Graph 1: PHOTON 500SG Canola Trial - Bordertown SA 2016

Seeding Equipment - 12" spacing, Knifepoint presswheel 3kg - Bonito TT Canola

Graph 1: Photon 500SG Canola Trial Results 2016 (Bordertown SA)

4% increase

Photon @ 40g: 2.71
Untreated: 2.61

Yield — t/ha

■ Photon @ 40g ■ Untreated

Average of 4 replicates

Trial Results

Graph 1 shows that application 40g/ha of Photon 500SG to Canola at Bordertown in SA resulted in a 4% increase in yield per ha compared to the untreated crop. This was only a small increase because it was a very good growing season where the plant did not come under very much stress. In a season where the plant is stressed Photon 500SG will provide more yield benefit.

The Product

Photon 500 SG is 500 g/kg water soluble granule which is a blend of dicarboxylic acids. These compounds are naturally occurring in many species of plants. It manipulates the plant stress sensors so as it can react more quickly and effectively to stress events.

Mode of Action

Photon 500 SG reduces the impact of stress, such as excess light, heat, drought, chilling and other environmental conditions that can negatively impact crop growth.

It is applied as a foliar spray and may be applied in conjunction with all other crop protection and foliar products. Photon 500 SG remains effective in the plant for approx. 21 days after which it becomes inert.

Application and Timing

Apply Photon 500 SG at a rate of 40g/ha at commencement of flowering. A wetting agent should be added to aid in spreading over the leaf surface. Preferred surfactants include nonionic or organo-silicone adjuvants.

For more information on Photon 500SG or to trial the product on your farm please contact:

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