

suSCon[®] GREEN

suSCon Green is an innovative granular insecticide for the control of grass grub and manuka beetle in turf, cereals, clover seed and pasture, and black vine weevil in ornamentals using controlled release technology.

suSCon Green breaks down in the soil, so it works alongside beneficial soil organisms including earthworms.



PACK SIZE AVAILABLE



ACTIVE INGREDIENT

100 g/kg chlorpyrifos

FORMULATION

Controlled Release Granule

WHY CONTROL GRASS GRUB?

Grass grub (*Costelytra zealandica*) is one of the most devastating agricultural pests for New Zealand farmers. If left untreated, grass grub can cause large economic problems for farmers due to major crop or pasture damage and loss.

The grass grub larvae feed on plant roots, especially cereals, clovers and grasses, causing loss of production and persistence.

USE RATES AND DIRECTIONS IN CEREALS

Apply suSCon Green at establishment at rates between 10-15kg/ha. Always use higher rate if seed treatment is not used or grass grub numbers are high.

suSCon can be drilled with seed or fertiliser. Care must be taken when drilling with seed. Separation of seed and suSCon may occur during drilling. Check often to ensure evenly mixed. Addition of bran can reduce separation.

Ensure correct drill calibration.

THE BENEFITS

Common practice of spraying autumn sown crops with diazinon several times through winter and spring can be avoided with the use of suSCon Green in cereals. suSCon Green provides an easy to use alternative which negates the need for continual monitoring and subsequent spray applications.

suSCon Green is the only insecticide that provides season long protection against grass grub feeding damage with one application. Benefits include:

- Better plant populations
- Limits plant losses via grass grub feeding over growing season
- Healthier plants
- Increases yields and quality

RESISTANCE MANAGEMENT

The group code for suSCon Green is:

GROUP	01	INSECTICIDE
-------	----	-------------

PROVEN CONTROL

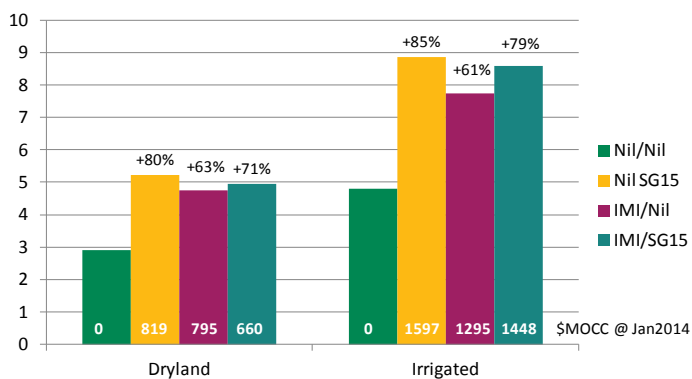
The use of suSCon Green in cereals was approved in December 2013. The claim was developed utilising a combination of trial data from Nufarm, the Foundation for Arable Research (FAR) and an MPI SFF project.

When drilled with seed, suSCon Green provides protection for the life of the cereal crop from autumn grass grub larvae, winter and spring feeding larvae and also second year larvae, making this a particularly useful option for autumn sown cereals. Alternatives such as seed treatment or diazinon granules only protect plants during early establishment, after which crops are completely vulnerable to attack.

Trial results report good yield increases when suSCon Green is used either with or without seed treatment insecticides, particularly in high yield potential crops.

The graph below highlights the increased yield with the use of suSCon Green. Shown at the base of each bar is the Margin Over Chemical Cost (MOCC) which uses pricing from January 2014.

YIELD (T/HA)



McCloy, B. and O'Hara, M. 2009. FAR Project No. C08/03

It is important to remember, use of seed treatment insecticide is still required for aphid control.

SUSTAINABLE FARMING FUND REPORT²

Findings from FAR for a Sustainable Farming Fund project found suSCon Green increased yield significantly compared to treatments with no effective insecticide ("alone").

suSCon Green "alone" or with clothianidin seed treatment reduced the rate of plant population decline over winter to 0.33 and 0.34 plants/m²/day respectively compared with the untreated which declined at 1.8 plants/m²/day and clothianidin seed treatment which declined by 0.65-0.8 plants/m²/day

In the presence of late feeding or spring feeding larvae preventing plant loss/damage after establishment will lead to improved yields as a result of higher tiller and ear numbers.

References:

1. Margin Over Chemical Cost (MOCC) is calculated from the additional revenue of yield gains accounting for the cost of control. Price assumptions include \$32.73 per ha for imidacloprid treated seed at 77kg/ha, \$230/ha per ha for suSCon treatment at 15kg/ha and a price per tonne of yield of \$450.
2. Control of grass grub (*Costelytra zealandica*) in autumn sown wheat. Richard Chynoweth; Foundation for Arable Research, 2013

The information contained is a quick reference only. Always consult the product label before use.
 *suSCon is a registered trademark of Nufarm Technologies USA Pty Ltd. ©Nufarm Ltd 2014.

6 Manu Street, Otahuhu, PO Box 22-407, Auckland 1640, New Zealand
 t: 09 270 4150 e: info@nz.nufarm.com w: nufarm.co.nz

