syngenta®

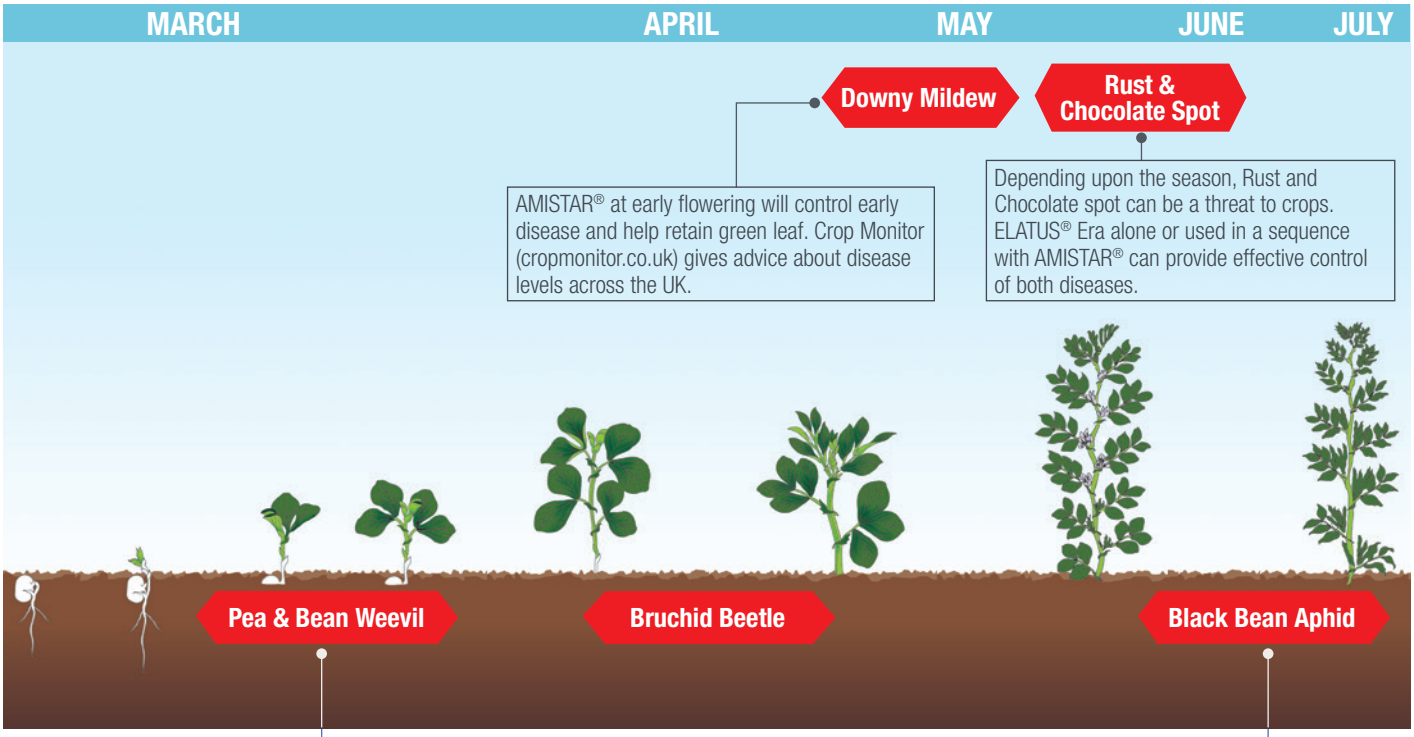
FIELD BEAN AGRONOMY ADVICE

CULTURAL ADVICE

Healthy, actively growing crops are able to withstand disease and pests better than stressed crops. Establishment is key to a good crop, consider delaying sowing until soil conditions improve to help encourage emergence and a good root structure. Later sowing can have an effect on yield, but this is often compensated by improved soil conditions. Information on this can be found by downloading the PGRO Optibean tool (available at www.pgro.org).

WINTER BEANS – Cold and wet soils led to later drilling and slow growth during the difficult autumn/winter months. Crops will benefit from a foliar feed which would ideally include Mn, Mg, Zn and S. This could be applied at early flowering along with AMISTAR® to protect new growth from disease. See below chart for latest data.

SPRING BEANS – it's likely that soils will take a while to dry after the wet end to 2023. The target will be to drill spring beans early March for highest yield potential. Depending on sowing date and growth, most spring crops will only require two sprays. Starting fungicide sprays at first flower with ELATUS® Era will give the best control of chocolate spot and has been shown to optimise rust control.



To help reduce pesticide use monitor weevil activity with pheromone traps. Poor growing crops are worst affected for spring beans, a threshold catch occurs when an average count per trap exceeds 30 weevils on any one recording day (traps should be sited by mid-February and weevils counted three times each week). Once the threshold is reached, apply HALLMARK Zeon®. If control is not achieved and resistance is suspected do not reapply.

A second spray is usually required 10 days after the first to give adequate control.

Black bean aphid usually appear from mid-May. Insecticide applications are justified when 5% of plants are colonised. Check the **Rothamsted Insect Survey** (rothamsted.ac.uk/insect-survey) for information about activity in your area.

A second spray is usually required as aphid numbers can build through June, monitor crops for presence.

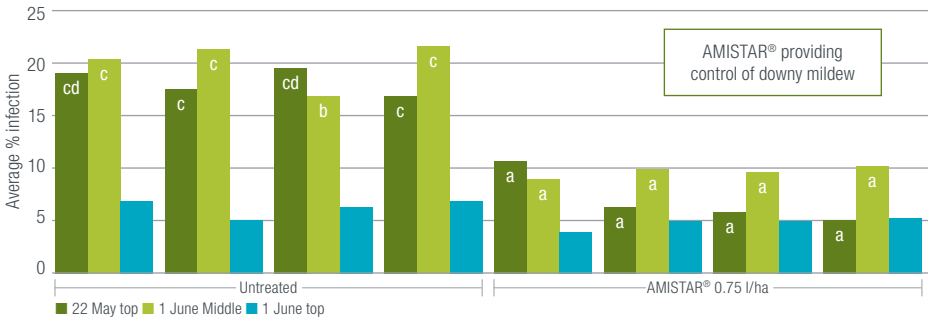
PRODUCTS FOR FIELD BEANS

ELATUS® ERA AND AMISTAR® DELIVER OUTSTANDING DISEASE CONTROL

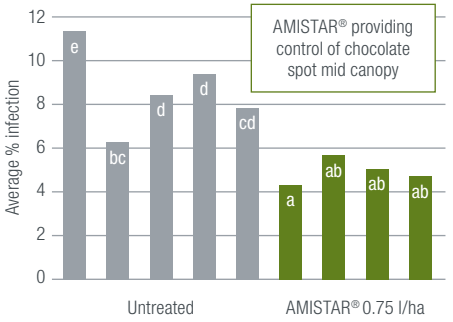
AMISTAR® at T0 timing – early flowering, will protect early growth and give preventative control of disease. This is also a good timing to consider applying trace elements (Mn, Mg, Zn) and sulphur.

AMISTAR® AT T0 PROVIDING GOOD CONTROL OF EARLY DISEASE IN WINTER BEANS 2023 (14 MAY APPLICATION)

PGRO 2023 Winter beans – Downy mildew

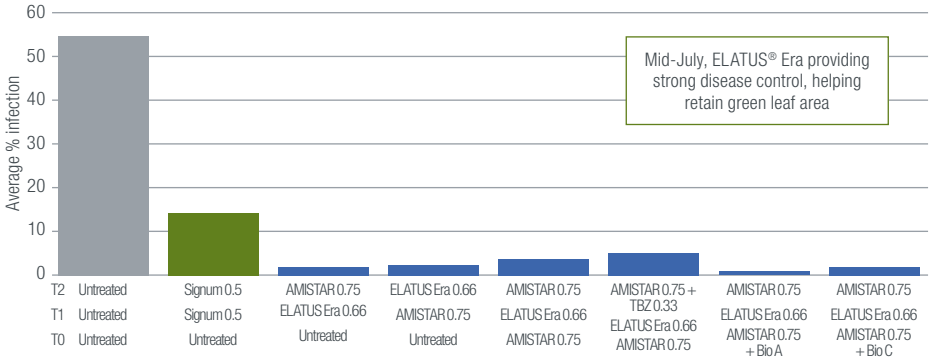


PGRO 2023 Winter beans – Chocolate spot, middle canopy (1st June – 18DAA)



ELATUS® Era at first pod timing (T1) followed by AMISTAR® gives excellent control of both chocolate spot and rust. In 2023 PGRO trials, this combination gave exceptional rust control through to the end of pod fill.

PGRO 2023 Winter beans – Rust (17th July – 25 DAT3)
T0 14th May; T1 8th June; T2 22nd June




WINTER BEANS: Mid-May crops can have significant disease development on lower leaves.

SYNGENTA RECOMMENDATIONS

T0 – Early flower, AMISTAR® @ 0.75 l/ha (add trace elements where required) where early disease is seen. Winter beans and spring beans where disease pressure is high.

T1 – First pod, ELATUS® Era @ 0.66 l/ha. All crops.

T2 – 21 to 28 days post T1, AMISTAR® @ 0.75 l/ha. All crops.

APPLICATION ADVICE FOR FUNGICIDES AND INSECTICIDES

3D Ninety nozzle alternating forward and backward along the boom for improved coverage.

In denser crops coverage can be increased by using higher water volumes, but do not exceed 200 l/ha.

Amistar®

MAPP No: 18039
Approved use: Field beans
Maximum individual dose: 1.0 l/ha
Maximum number of applications: 2
Latest time of application: 35 days before harvest, 21 day minimum application interval. FRAC guidelines must be followed

HallmarkZeon®

MAPP No: 12629
Approved use: Field beans
Maximum individual dose: 75 ml/ha
Maximum total dose: 150 ml/ha
Latest time of application: 25 days before harvest, 7 day minimum application interval

Elatus® Era

MAPP No: 17889
Approved use: Field beans
Maximum individual dose: 0.66 l/ha
Maximum number of applications: 1
Latest time of application: Up to and including 20% of pods having reached typical length (GS72)

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