

SIRIUS

A BIOACTIVE SILICON FERTILISER TO IMPROVE RESILIENCE TO PEST AND DISEASE ATTACK

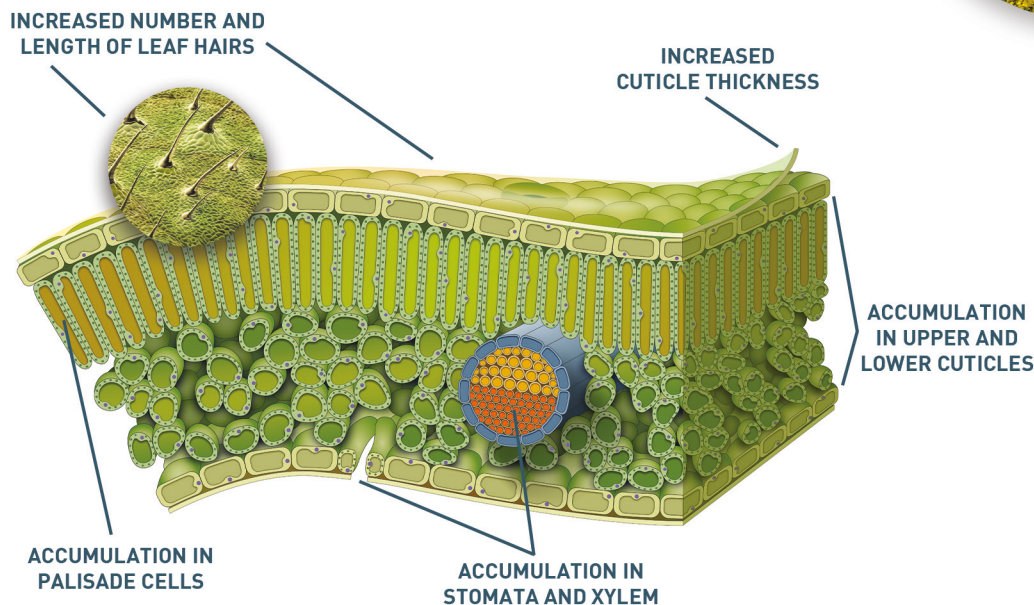
Sirius is formulated with our unique and advanced **iNHIB Technology**, to ensure stable, bioactive **monosilicic acid** is available to the target crop. This silicon is **immediately available** to the plants and accumulated within cells, thus **enhancing** their **natural defences**.



- Silicon is **required by all plants** and is the second most abundant element on the planet.
- Silicon must be in the form of **monosilicic acid** for immediate uptake and utilisation by plants.
- Silicon complements **integrated crop management**.

The accumulation of silicon within and between cells strengthens the plants structure, thereby increasing its ability to withstand stress. Application of Sirius results in increased leaf cuticle thickness, alongside increased density, length and strength of leaf hairs. This accumulation of bioactive silicon enhances the plants natural 'armour', providing the first line of defence against pest and disease.

ACCUMULATION OF SILICON WITHIN A LEAF



ORION
RELEASING THE BIOLOGICAL POTENTIAL OF PLANTS



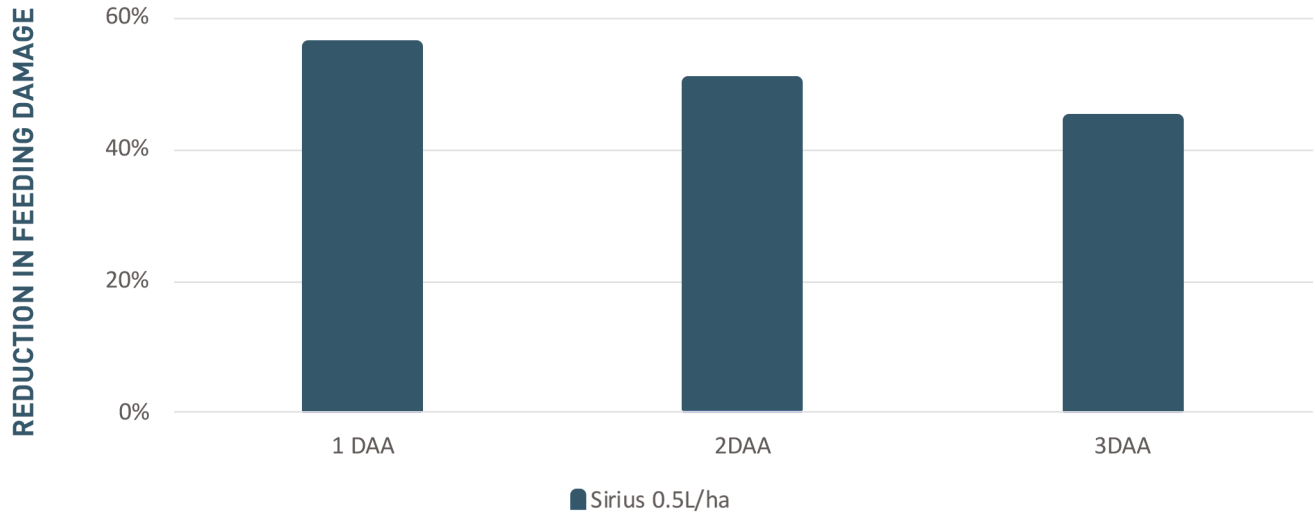
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FOR PROFESSIONALS ONLY: USE FERTILISER PRODUCTS WITH CAUTION. READ THE LABEL AND INFORMATION RELATING TO THE PRODUCT BEFORE USE. Follow the instructions for use in order to avoid risks to human health and the environment - Do not pollute water with the product or its packaging. Sirius holds CRD exemption to allow recommendations for use as a physical acting insecticide.

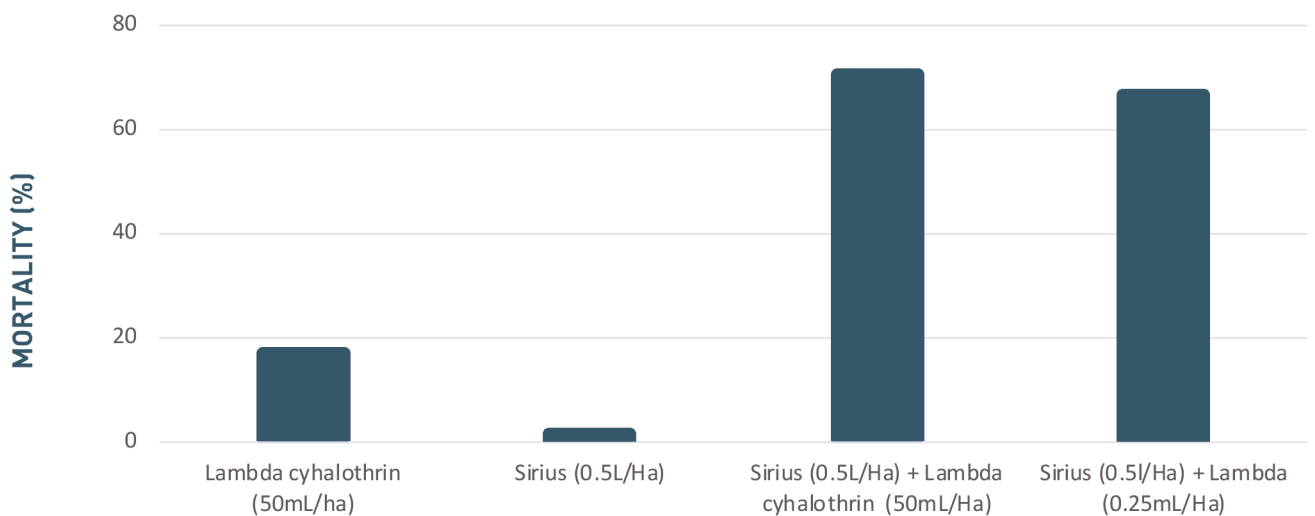


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Recent independent UK trials have shown useful benefits on autumn pests. Application of Sirius to emerged wheat plants reduced feeding by slugs due to the enhanced resilience of the crop.



Sirius has shown synergistic effects when mixed with lambda cyhalothrin for the control of CSFB.



Including Sirius in autumn crop protection plans strengthens an integrated management strategy. Its ability to reduce pest and disease attack by improving plant resilience, benefits the crop over the entire season and contributes towards sustainable production.

Product	Crops	Timing	Rate (l/ha)	Water Volume (l/ha)
Sirius	OSR/Wheat	From emergence	0.5	200