

RIGEL-G

MANAGEMENT OF APPLE AND PEAR SCAB

With the development of triazole resistant strains of scab, greater emphasis on **alternative management strategies** is essential.



Rigel G is manufactured with Orion's unique **iNHIB Technology**, that delivers a bioactive form of silicon to target crops. This formulation provides silicon in a form that is **immediately available** and can be accumulated by plant cells.

Accumulation provides both a **physical** and **biochemical barrier** to **impede fungal colonisation** of fruit and leaves.



In addition to bioactive silicon, Rigel G's unique **dual formulation** also delivers selected **plant extracts** to reduce plant stress. These include a precursor to salicylic acid, a phytohormone used in plant signalling and the synthesis of **defence compounds** to protect against stress.

Rigel G provides a viable option for scab management in both apples and pears, used alone or in combination with traditional fungicide treatments.

ORION
RELEASING THE BIOLOGICAL POTENTIAL OF PLANTS



@OrionFutureTech
www.orionft.com

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.



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Field trials conducted in successive years by the University of Reading and the International Society of Arboriculture have shown that the use of **silicon sprays significantly increases resistance to scab** infection in both apple and pear species.

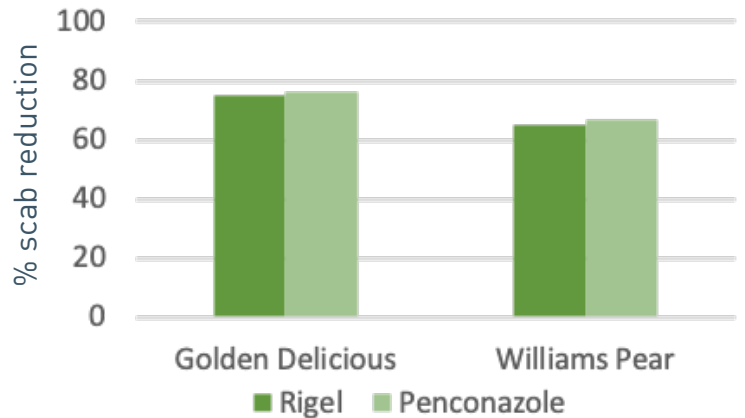
TRIALS DATA

The **reduction in disease susceptibility** provided by four applications of **Rigel G** (0.3%) were statistically comparable to the control offered by four applications of **penconazole**. Disease reduction was achieved on both fruit and leaf infection

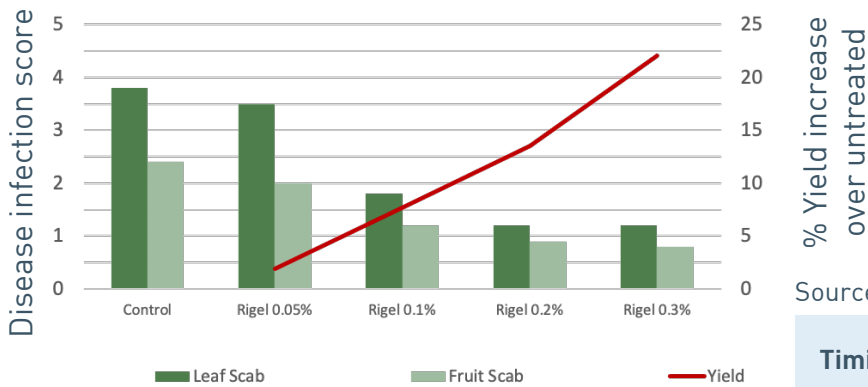
Source: The University of Reading

Timing	Bud Break	Green Cluster	90% Petal	Early Fruitlet
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REDUCTION IN FRUIT SCAB



REDUCTION IN SUSCEPTIBILITY TO PEAR SCAB



Additional dose response trials have shown application rates of Rigel G should be a minimum of **0.2% dilution** to optimise resilience.

Source: The University of Reading

Timing	Bud Break	Green Cluster	90% Petal	Early Fruitlet
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FURTHER BENEFITS INCLUDE:

- An increase in leaf chlorophyll content
- Increased resistance to apple powdery mildew
- Increased silicon content in leaves and fruit following harvest – possible benefit to shelf life.
- An increase in yield

PRODUCT SUMMARY

Product	Crop	Rate (L/Ha)	Water Volume (L/Ha)	Timing	Number of applications
Rigel G	Top Fruit	0.5 - 1.0	200 - 800	From bud break	4-6