

EAMU (2024/0899) for Use in Ornamental Plant Production

A preventative fungicide for the control of fireblight on ornamental crops

- A biorational product containing *Aureobasidium pullulans* strains DSM 14940 and DSM 14941
- Multiple modes of action including antagonism, and competition for space and nutrients
- Must be used with Buffer Protect water conditioning agent
- Suitable protective respiratory equipment should be used during application
- Available in 1kg containers, no specific storage conditions required

Practical Considerations

- Rain fast in eight hours
- Unaffected by light or dry conditions
- Apply before the onset of pathogen infection
- Water conditioning using Buffer Protect NT™ is required at 3kg/ha
- Must be applied to crops more than 10cm in height
- Can be difficult to dissolve, so use a small volume of water to pre-mix and dissolve the product before adding to tank; continuous agitation of spray solution required
- Do not leave unused mixture in the tank due to risk of precipitation
- Mixtures with other plant protection products possible



Targets Controlled

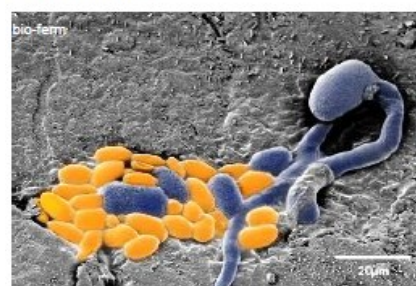
- **Fireblight (*Erwinia amylovora*)**
- It can also be useful in the reduction of blossom wilt and necrotic canker



Best Use Guidelines

- Target spray applications from swollen flower bud stage through to petal fall, safe to bees
- Particularly useful on hardy nursery stock subjects from the Rosaceae family
- Rainfall of 15mm or more after treatment will necessitate a repeat application
- On large tree and shrub subjects use 1,000L/ha water volume or more as coverage is essential for good efficacy
- Apply as a fine to medium spray
- Water pH is very important in determining product performance and therefore the use of Buffer Protect NT™ is recommended at all times

 *Aureobasidium pullulans*
 pathogen



Formulation	Water dispersible granule, 500g/kg containing 2.5×10^9 colony forming units of <i>Aureobasidium pullulans</i> strain DSM 14940 and strain DSM 14941		
Chemical class and resistance group	Biological fungicide FRAC BM02		
Crops and situations	Ornamental plant production and nursery fruit trees		
Number of applications	Five applications per year		
Dose rate and concentration	2.25kg/ha (150g - 450g /100L)	Restrictions	Before end of flowering or fruit development
Water volume	500L - 1,500L/ha	MAPP Number	20734

Useful links to related research and references, and disclaimer: This document has been collated using information from the [Health and Safety Executive \(HSE\) website](#), supplier technical information, and research reports (where available). Growers must hold a paper or electronic copy of an EAMU before using any product under the EAMU arrangements. Any use of a plant protection product via an EAMU is at grower's own risk. Always follow EAMU recommendations, including rate of use, maximum number of applications per crop or year, and where crop safety information is not available, test the product on a small number of plants first to determine phytotoxicity prior to widespread commercial use. For any additional detail, contact the HTA advice line at nurseryproduction@hta.org.uk