

**SEAN**<sup>®</sup>  
AGROW



# **BLOSSOM PROTECT™**

Protect blossoms, safeguard fruits

Passion for Innovation



**Blossom Protect™** is a highly effective preventive biobactericide and -fungicide used to control fire blight (*Erwinia amylovora*) and diverse storage diseases in pome fruits.

## CONTROL OF FIREBLIGHT

### ERWINIA AMYLOVORA

Fire blight is a bacterial disease that causes considerable damage and economic losses within the Rosaceae family, such as apple and pear. Fire blight can kill blossoms as well as shoots and cause dieback of branches and trees. **Blossom Protect™** blocks the bacteria from colonizing infection sites on flowers by competing effectively against pathogens for nutrients and space.



#### BBCH 61

First flowers open

#### BBCH 65

Full flowering –  
50 % of flowers open

#### BBCH 67

Majority of petals falling

### CONTROL OF FIREBLIGHT

*Erwinia amylovora*

### ADVANTAGES OF BLOSSOM PROTECT™ AGAINST FIRE BLIGHT

- High efficacy preventing fire blight (*Erwinia amylovora*)
- Safe for flowers
- Suitable for organic agriculture and IPM strategies
- No resistance development

### APPLICATIONS AGAINST FIRE BLIGHT

Application rates	kg/ha ground area (2 m canopy height)	kg/ha per m canopy height	kg/hL
Blossom Protect™	1.5	0.75	0.15
Buffer Protect NT™ *	6.0	3.0	0.6
Blossom Protect™ + Buffer Protect NT™	1.5 + 6.0	0.75 + 3.0	0.15 + 0.6

\* **Buffer Protect NT™** is a product specifically designed to optimise efficacy of **Blossom Protect™** against fire blight.

- 1–5 applications of **Blossom Protect™** + **Buffer Protect NT™** during bloom (BBCH 61–67). Do not apply when small fruits are present.
- Apply Blossom Protect™ + Buffer Protect NT™ the day before predicted infection conditions; Max. 2 applications of **Blossom Protect™** on varieties sensitive to fruit russet.

Two unique strains of *Aureobasidium pullulans* in **Blossom Protect™** rapidly block the pathogens from colonizing potential infection sites on blossom, fruit and other tissues.

## CONTROL OF STORAGE DISEASES

**GLOEOSPORIUM"-ROTS, BOTRYTIS CINEREA, PENICILLIUM EXPANSUM, MONILIA FRUCTIGENA, ...**

On the one hand, there are more than 90 different fungi causing symptoms of storage rots in apple or pear, having different modes of infection and the ability to develop resistance to chemical fungicides. On the other hand, there is a high pressure from retailers and consumers to reduce the amount of chemical residues in fruits. **Blossom Protect™** rapidly blocks pathogens from colonizing infection sites on fruit tissues, improving the shelf life and fruit quality.



### BBCH 81

Beginning of ripening

### BBCH 85

Advanced ripening

HARVEST

### BBCH 89

Fruit ripe for consumption

HARVEST

**CONTROL OF STORAGE DISEASES**  
*"Gloeosporium"-rots, Botrytis cinerea, Penicillium expansum, Monilia fructigena, ...*

### ADVANTAGES OF BLOSSOM PROTECT™ AGAINST STORAGE DISEASES

- High efficacy to prevent storage diseases in pome fruits, such as *Neofabraea* spp., *Botrytis* spp., *Penicillium* spp.
- Suitable for organic agriculture and IPM strategies
- No resistance development
- Zero residues
- Either no preharvest interval or only one day (depending on local regulations)

### APPLICATIONS AGAINST STORAGE DISEASES

Application rates	kg/ha ground area (2 m canopy height)	kg/ha per m canopy height	kg/hL
Blossom Protect™	1.0	0.5	0.1

- 1–4 treatments without **Buffer Protect NT™** starting 5 weeks before harvest (BBCH 81–89)
- Preharvest applications can be combined with all known storage techniques
- Application between pickings are possible



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Compatibility of  
Blossom Protect™ and  
Buffer Protect™



Use all plant protection products responsibly. Read the label and product information before use. Please contact SAN Agrow for information on the authorized conditions of use in your country.

**SOLUTIONS FOR SUSTAINABLE  
PLANT HEALTH AND NUTRITION**