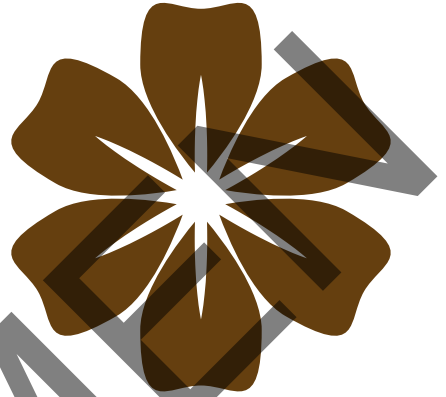




BLOSSOM BLESS[®]



BIOLOGICAL

A PREPARATION OF THE BACTERIUM PANTOEA AGGLOMERANS P10C FOR USE AS PROTECTION AGAINST FIRE BLIGHT INFECTION OF PIP FRUIT FLOWERS.

grochem

Contains: A minimum of 3×10^{10} CFU/g Pantoaea Agglomerans P10c in the form of a wettable powder.



NET CONTENTS
300g

REGISTERED TO & DISTRIBUTED BY: AgriNova New Zealand Ltd,
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www.grochem.com

GBLOSS/0518

BLOSSOM BLESS IS A REGISTERED TRADEMARK OF AGRINOVA NZ LTD.

PLEASE READ LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATIONS: 6.5A, 6.5B, 9.1D

TOXIC: May cause respiratory or skin sensitisation. Avoid breathing dust and skin contact. Wear protective clothing (respirator and impervious clothing) when handling. Wash hands and exposed skin before meals and after work.

ECOTOXIC: DESIGNED FOR BIOCIDAL ACTION. May cause negative effects to some beneficial insects. Avoid contamination of all water systems.

THIS PRODUCT MUST NOT BE USED FOR ANY PURPOSE OR ANY MANNER CONTRARY TO THIS LABEL.

STORAGE: Keep Frozen. Store in deep freeze at -18°C or below. Remove only what product is required for immediate use, as product that has been opened or thawed cannot be refrozen. When transporting any distance pack in an insulated container and keep cool. Do not heat or microwave to thaw.

When stored appropriately, this product should show no significant degradation for 12 months from the date of manufacture (DOM). Contact your supplier for further information about the use of any product that is older than this.

DISPOSAL: This product should be disposed of by using as directed on the label. Destroy unwanted product and containers by burning in an appropriate incinerator.

EQUIPMENT: Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZS8409).

FIRST AID: IF SWALLOWED: Rinse mouth with water. Give plenty of water to drink. If vomiting occurs, give further water. Seek medical advice.

IF IN EYES: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical assistance.

DIRECTIONS FOR USE:

Blossom Bless is a wettable powder containing the non-pathogenic bacterium *Pantoea agglomerans*. Use Blossom Bless to reduce the incidence of fire blight (*Erwinia amylovora*) on apple and pear blossom. Blossom Bless acts as a protectant, pre-colonising susceptible flower parts and thus preventing the establishment of fire blight causing bacterium *E.amylovora*.

IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS.

APPLES – FIREBLIGHT: Blossom Bless acts as a protectant against fire blight infection and must be applied before infection occurs. Application should be made as soon as flowers are open. Repeat applications to maintain beneficial populations of Blossom Bless.

All susceptible flowers should be sprayed not just the target crop.

Use Rates: The rates suggested are for application per hectare and should be diluted with the correct volume of water in the spray tank for application to one hectare.

WATER RATE: 500–1000L of water/ha. The first application may be applied at 500L per ha to every other row using a 1000L spray rate.

TIMING: Always make the first application at 10% flowering

When two applications are made, the second is best made at 50% flowering

If three applications are made, the second is made at 40% flowering and the third at 80% flowering, or prior to a period conducive to rapid bacterial growth, whichever comes first.

NOTE: Numbers of Blossom Bless bacterium will be greatly reduced after frost and re-application should be considered.

APPLICATION RATES: The rates provided are for high volume spraying to thoroughly wet the crop to the point of run-off. For concentrate spraying adjust the dilution rates accordingly.

DOSE	SITUATION	APPLICATIONS
Low	Orchards with older varieties on older rootstocks.	Two applications of 15g/100L of water.
Medium	Orchards planted with older varieties on dwarf rootstocks.	Two applications of 22.5g/100L of water OR one application of 15g/100L of water followed by one application of 30g/100L of water
High	Orchards planted with pears or newer varieties (eg Pink Lady, Jazz) planted on new and dwarf rootstocks.	One application of 15g/100L of water followed by two applications of 30g/100L of water

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IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention.

IF INHALED: If breathing is difficult, move to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, call a POISON CENTRE or doctor/physician.

24-hour Emergency Telephone Number – for advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.

For specialist advice in an emergency only, call 0800CHEMCALL (24hrs) or 0800 243 6225 In a transport emergency dial 111.

SPILLAGE: Contain spillage with absorbent material. Dispose of waste in a suitable landfill.

TRANSPORT: Do not carry more than 0.5kg on a passenger service vehicle.

SAFETY DATA SHEET: A Safety Data Sheet (SDS) for Blossom Bless is available from Grochem on request or www.grochem.com

WITHHOLDING PERIOD: Nil

CONDITIONS OF SALE: As no control can be exercised over the manner in which or the conditions under which this product is used, all conditions and warranties expressed or implied, other than those required by statute are excluded. No responsibility will be accepted for any damage or injury whatsoever arising from the storage, handling, application or use of this product.

Registered pursuant to the ACVM Act 1997, No. P7164. See www.foodsafety.govt.nz for registration conditions.
Approved Pursuant to the HSNQ Act 1996, Number HSR001707. See www.epa.govt.nz for approval conditions.

Batch:

DoM:

COMPATIBILITY: It is recommended that Blossom Bless is applied alone. Blossom Bless can be mixed with sulphur such as Nimbus™, Kumulus® DF, but not lime sulphur.

DO NOT tank mix Blossom Bless with Polyram® DF. Blossom Bless can be sprayed before or after Polyram DF.

DO NOT tank mix Blossom Bless with Streptomycin. Blossom Bless can be sprayed before or after Streptomycin.

DO NOT apply coppers during the flowering period when using Blossom Bless.

BEES: Good bee activity is vital to transfer the Blossom Bless onto newly opening flowers. Bees should be introduced to the orchard before the first application is made and kept in the orchard as long as possible.

Application: Ensure sprayer is in good condition, thoroughly cleaned and well calibrated.

TANK MIXING:

1. Ensure spray tank is clean and free from any chemical residue.
2. Half fill a 5 litre open top container with cold water (do not use hot water).
3. Add contents of this bag, apply lid securely and shake vigorously for 30 seconds.
4. Leave for 5 minutes and once again shake vigorously.
5. Half full the spray tank with water and then pour in the above suspension.
6. Any lumps should be washed through the sieve into the spray tank.
7. Add the balance of the water to the spray tank and apply immediately. Do not mix more than can be applied within 2–3 hours.