

TECHNOLOGYPROFILE

Botria™

Botria is a biofungicide for tomato grey mould based on *Bacillus velezensis* strain BJ-1, supported by a registered tomato use and published field-performance results.

1 Product identification

Field	Detail
Product name	Botria™
Category	Biological crop protection
Principal components	<i>Bacillus velezensis</i> BJ-1
Target crops	Tomato
Agricultural purpose	Tomato grey mould management

2 Product role and biological basis

A focused tomato role

Tomato grey mould affects fruit condition and crop hygiene. BJ-1 has a defined, registered crop-specific role.

Strain-specific documentation

BJ-1 has its own identity and registration record. Evidence from other *Bacillus velezensis* strains is not substituted for it.

Supports an integrated approach

Consider biological protection alongside moisture management, crop inspection and removal of infected material.

3 Composition and material characteristics

Bacillus velezensis BJ-1

Bacillus velezensis BJ-1 is a defined biological strain for tomato grey mould management.

Documented formulation

Bacillus velezensis BJ-1 is formulated as water-dispersible granules with a declared viable count of 2.0×10^{10} CFU/g.

Strain deposit identity

The original patent publication identifies BJ-1 as CGMCC No.24113, providing a traceable reference for the strain.

4 Biological targets and application evidence

1. Field evaluation • BJ-1 water-dispersible granules against tomato grey mould

Tomato grey-mould control reported at up to 82.8%.

Agricultural relevance

Reported maximum; no full trial table, trial locations, cultivar breakdown or comparison-treatment details are published.

5 Crop programmes and application context

Tomato grey mould is the registered crop-disease combination for BJ-1. Disease assessment distinguishes affected plant parts and the growing environment. Assess condensation, wet plant surfaces and damaged or senescent tissues as part of the broader grey-mould management context. Follow grey-mould symptoms and marketable-fruit condition separately from height, biomass or general crop vigour.

Tomato grey mould

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Moisture and crop condition

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Outcome-focused records

Follow grey-mould symptoms and marketable-fruit condition separately from height, biomass or general crop vigour.

Botrytis & grey mould

Tomato

Bacillus velezensis BJ-1 • Grey mould in tomato; water-dispersible granules.

6 Quality and compatibility

Identity before comparison

Technical comparisons should use the same BJ-1 strain, formulation identity and declared quality basis.

A complete document chain

Connect the applicable label, product specification and batch certificate so the supplied material is identifiable.

Separate reported results from guarantees

Published field results explain the scientific background; batch specifications and local labels define the supplied product.

7 Product questions

Is the 82.8% figure an average field result?

No. The published result is a maximum of 82.8%. The trial distribution is not published, so it should remain a reported maximum.

Can the tomato evidence be used for other grey-mould crops?

The confirmed registration is for tomato. A shared disease name does not establish the same crop response or authorisation; each additional crop needs its own supporting record.

8 References and technical documents

Product specifications and application guidance are provided in the applicable technical data sheet and market label.

1. UC IPM Pest Management Guidelines - Tomato

Product information and technical support

Contact Huasheng