

TECHNOLOGYPROFILE

Botria™

Biological protection focused on tomato grey mould. *Bacillus velezensis* BJ-1 provides a specific strain foundation, supported by a Chinese tomato registration and a field-performance report from the Beijing Academy of Agriculture and Forestry Sciences.

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 crop-specific role in the original registration.

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 the specific biological strain studied by the Beijing Academy of Agriculture and Forestry Sciences for tomato grey mould management.

Documented formulation

China registration PD20252170 records *Bacillus velezensis* BJ-1 as water-dispersible granules with a declared viable count of 2.0×10^{10} CFU/g. This specification identifies the original registered formulation.

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. Research institute field report · BAAFS Institute of Plant Protection announcement, 21 October 2025; BJ-1 water-dispersible granules evaluated against tomato grey mould.

Tomato gray-mold control reported at up to 82.8%.

Agricultural relevance

Reported maximum; no full trial table, trial locations, cultivar breakdown or comparison-treatment details are supplied on the announcement page.

北京市农林科学院植物保护研究所：我所获批4个微生物新农药登记证书

2. China · crop-specific registration record

PD20252170 identifies *Bacillus velezensis* BJ-1 for grey mould. The original registration holder is the Beijing Academy of Agriculture and Forestry Sciences.

Agricultural relevance

Registration evidence defines the original formulation and Chinese crop use. Regional supply and applicable product documentation are assessed for each market.

MARA · Approved biological pesticide labels, Announcement No. 954

5 Crop programmes and application context

Tomato grey mould is the crop–disease combination recorded for the original BJ-1 formulation. 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 gray-mold management context. Follow gray-mold symptoms and marketable-fruit condition separately from height, biomass or general crop vigor.

Tomato grey mould

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Moisture and crop condition

Assess condensation, wet plant surfaces and damaged or senescent tissues as part of the broader gray-mold management context.

Outcome-focused records

Follow gray-mold symptoms and marketable-fruit condition separately from height, biomass or general crop vigor.

Botrytis & grey mould

Tomato

Bacillus velezensis BJ-1 · Grey mould in tomato. Original Chinese registration PD20252170; 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

Institutional performance reports 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 research institute described it as a result of up to 82.8%. The public announcement does not provide the trial distribution, so it should remain a reported maximum.

Can the tomato evidence be used for other gray-mold crops?

The confirmed registration is for tomato. A shared disease name does not establish the same crop response or authorization; 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. 北京市农林科学院植物保护研究所：我所获批4个微生物新农药登记证书
2. MARA · Approved biological pesticide labels, Announcement No. 954
3. CN116445357A — *Bacillus velezensis* BJ-1
4. UC IPM Pest Management Guidelines — Tomato

Product information and technical support

Contact Huasheng