

TECHNOLOGYPROFILE

Nemia B16™

B16 brings a defined bacterial approach to tomato root-knot nematode management. Its scientific identity, university research background and crop-specific registration record provide a clear basis for evaluating this biological option.

1 Product identification

Field	Detail
Product name	Nemia B16™
Category	Biological crop protection
Principal components	Bacillus nematocida B16
Target crops	Tomato
Agricultural purpose	Tomato root-knot nematode management

2 Product role and biological basis

A specific root-zone priority

Focused on root-knot nematodes in tomato, rather than a general plant-growth claim.

A defined bacterial strain

B16 identifies the biological material behind the product; species names alone are insufficient for technical comparison.

Research connected with application

University research and an approved crop use support a crop-specific technical discussion.

3 Composition and material characteristics

Bacillus nematocida

The bacterial species identified by the Chinese Academy of Sciences resource-bank record.

Strain B16

A distinct strain researched by Yunnan University.

Documented formulation

The original PD20211362 record describes a powder with a declared biological content of 5×10^8 CFU/g. These figures identify the recorded formulation and are read with its market label.

4 Biological targets and application evidence

1. University research and registration record • Chinese Academy of Sciences resource-bank report, July 2022.

The report identifies B. nematocida B16, Yunnan University research and the PD20211362 formulation registration.

Agricultural relevance

This record defines the original strain, formulation and Chinese application scope. Market-specific product documentation governs regional availability and permitted uses.

University research and registration record

2. Tomato crop use • Ministry of Agriculture and Rural Affairs gazette, 2021, PDF page 112.

The PD20211362 powder label lists tomato and root-knot nematodes.

Agricultural relevance

Historical approval published in 2021; current permitted uses follow the applicable market label.

Tomato crop use

5 Crop programmes and application context

Root galling and declining root function make nematode diagnosis relevant to crop management. The verified source use is tomato–root-knot nematodes. Consider nematode pressure alongside planting-material health, soil condition and the cropping history.

Tomato root health

Root galling and declining root function make nematode diagnosis relevant to crop management.

Documented crop and target

The verified source use is tomato–root-knot nematodes.

Integrated root-zone management

Consider nematode pressure alongside planting-material health, soil condition and the cropping history.

Root-knot nematodes

Tomato

B16 • China PD20211362: tomato root-knot nematodes, documented in the 2021 approved label.

6 Quality and compatibility

Strain traceability

Connect the material identity, supplier documentation and batch record.

Batch quality

Review the certificate of analysis, stated biological content and product quality period.

Crop-specific documents

Keep tomato evidence, market label and product identity together.

7 Product questions

Is B16 the same as Nemias PL11?

No. B16 is *Bacillus nematocida*; PL11 is a different fungal strain. Their identities and evidence are assessed separately.

Which crop is covered here?

Tomato. The evidence presented here concerns root-knot nematode management in tomato.

8 References and technical documents

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

1. University research and registration record
2. Tomato crop use

Product information and technical support

Contact Huasheng