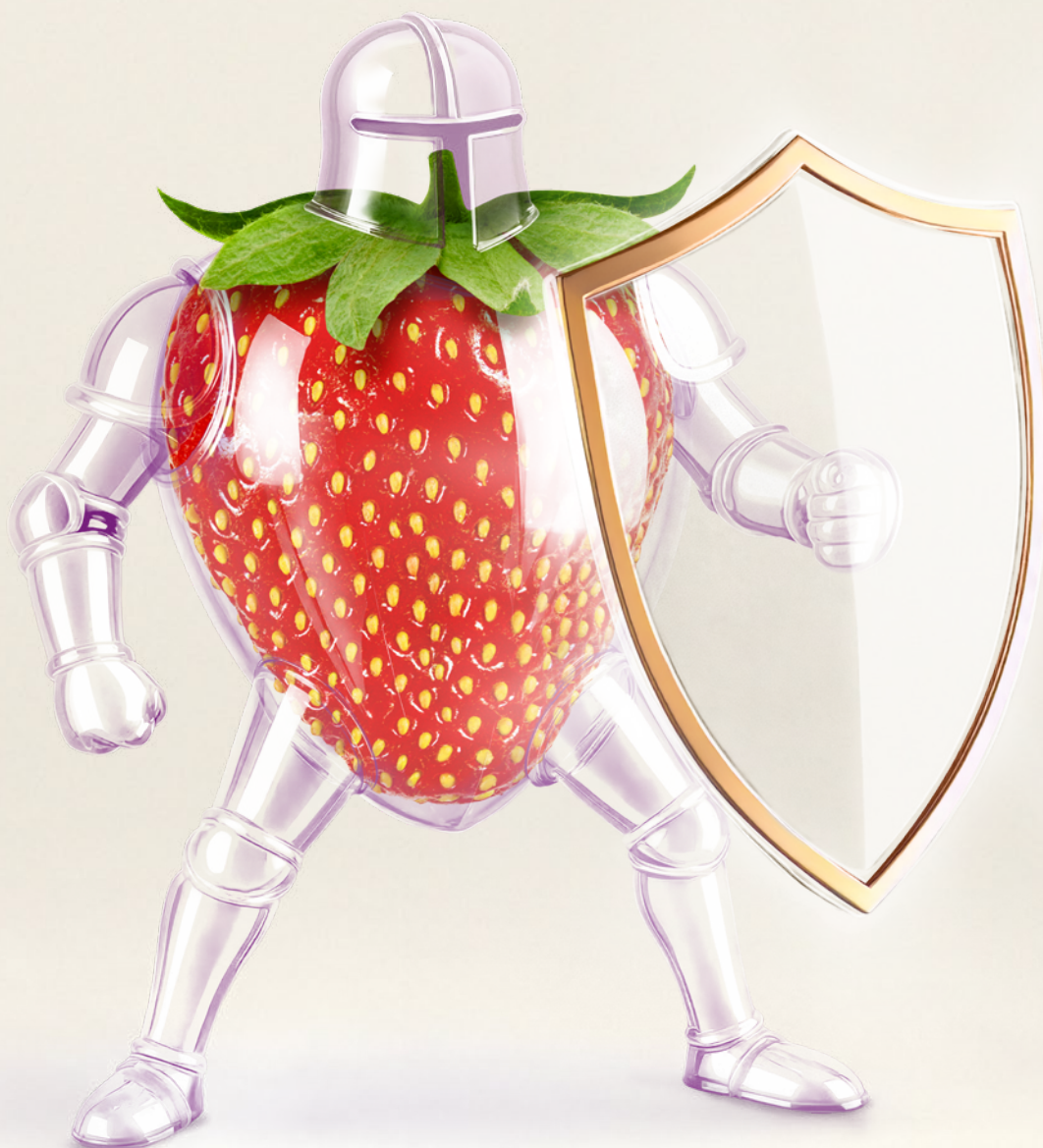


BOTECTOR[®] THE SHIELD THAT GROWS



SHIELD YOUR YIELD

Protect your specialty crops with an invisible armor. Powered by the naturally occurring yeast-like fungus *Aureobasidium pullulans*, BOTECTOR rapidly colonizes plant surfaces to form a **living microbial shield** that blocks pathogens.

By **outcompeting** harmful fungi for space and nutrients, it prevents disease establishment without harmful residues or resistance risks. This makes it the ideal tool for **sustainable crop protection** in both organic and conventional farming.



DUAL STRAIN POWER

BOTECTOR's armor stays strong even when the weather shifts. By combining the strengths of **two different strains** of *Aureobasidium pullulans* that thrive in different conditions, it is equipped for a **wide range of environmental circumstances**.



ORGANIC & RESIDUE FREE

Certified for **organic** use.
Zero detectable residues even close to harvest.



FRUIT & USER FRIENDLY

Improves storability and **protects quality** without altering flavor or appearance. No special handling or mixing steps.



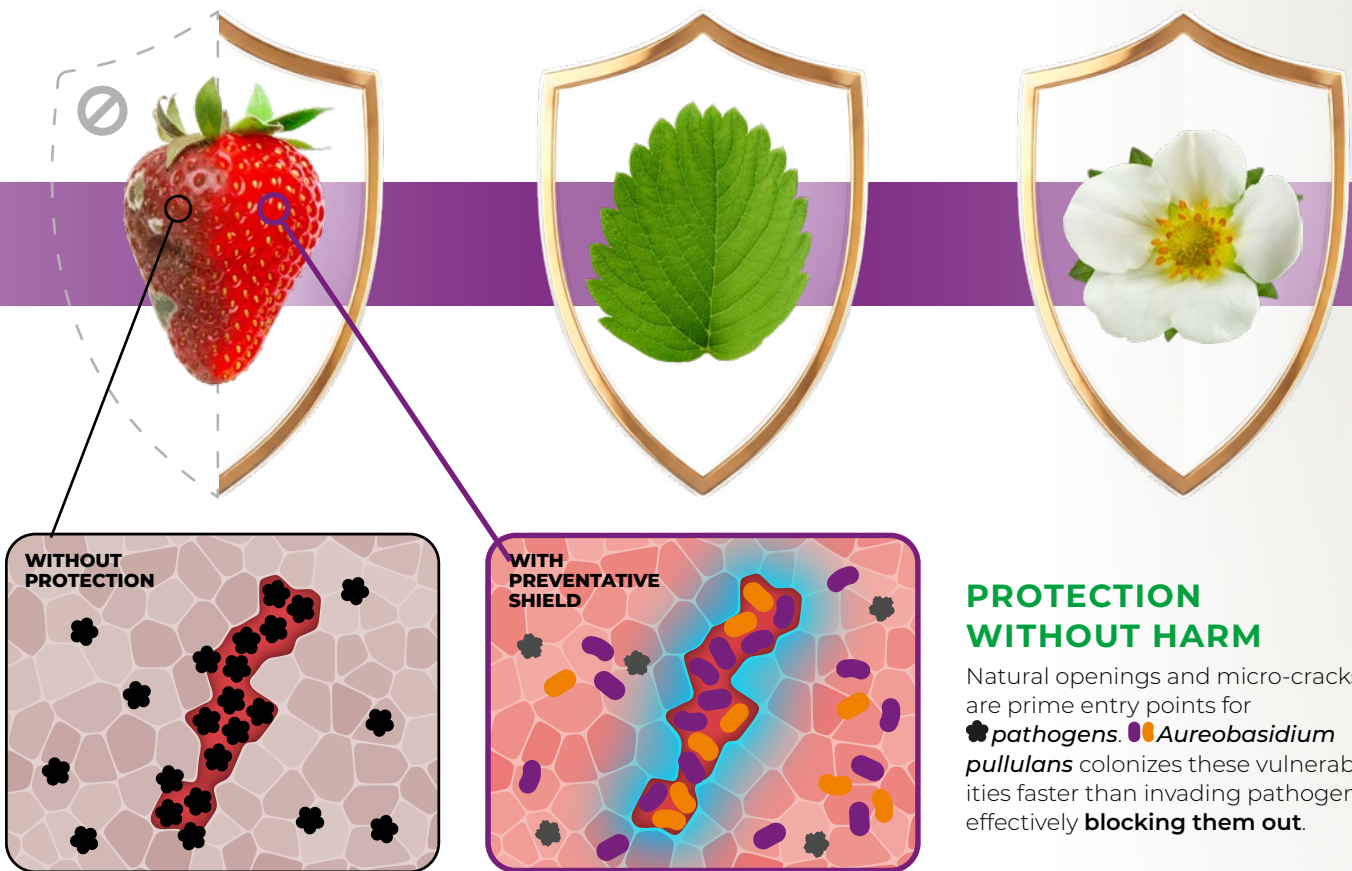
RESISTANCE & ENVIRONMENTAL SAFETY

Naturally **low risk of resistance**.
Safe for beneficial insects and pollinators.

PRODUCT SPECIFICATIONS

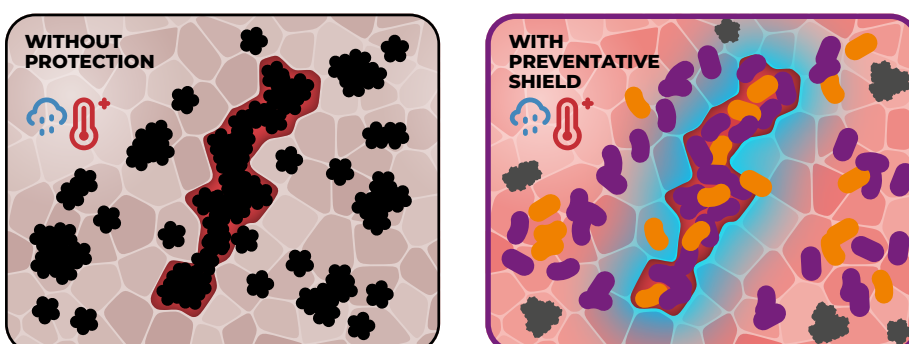
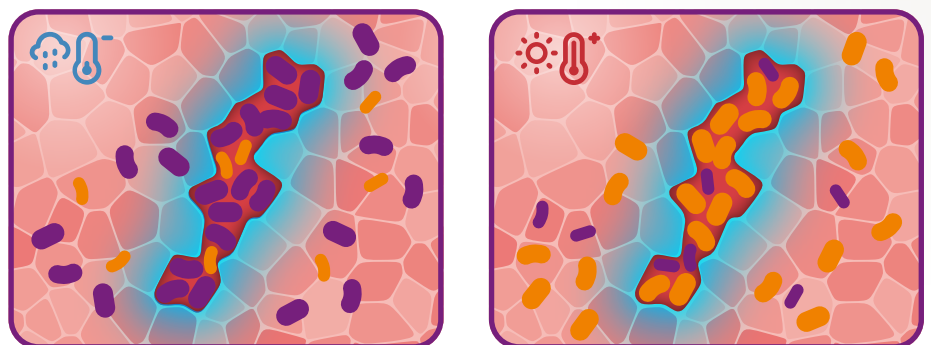
- **Composition:** 80% *Aureobasidium pullulans* (strains DSM 14940 and 14941)
- **Formulation:** Wettable Granules
- **Suitability:** Organic & Conventional
- **Application:** Foliar (ground or aerial; preventive use)
- **Storage & Shelf life:** 18 months at room temperature, 30 months in refrigeration

HOW THE LIVING SHIELD WORKS



DOMINATES EVERY CLIMATE

Two strains ensure seamless defense. Strain **DSM 14940** dominates in cooler climates, while **DSM 14941** takes over when temperatures rise. The shield remains strong.



STRONGER IN TIMES OF NEED

In warm humid conditions that favor **Pathogen** growth, **BOTECTOR** thrives even faster. It **outcompetes** them for space and vital nutrients, starving the disease before it can establish.

HOW TO USE BOTECTOR

- Apply **preventatively** ahead of key stages of disease vulnerability. Late-season use can extend the protection of fruit **post-harvest**.
- Integrate into fungicide programs to **replace or complement** biological or conventional products, improving control, lowering chemical load, resistance risk, and residues.
- Maintain **flexibility** with a 4-hour rainfastness, 4-hour REI, and a **0-day PHI** with zero MRL restrictions.
- **Tank-mix compatible** with a wide range of biological and conventional fungicides, including **many coppers** and **wettable sulfurs**.

APPLICATION RATE

6–15

oz/acre depending on disease pressure & water volume

SPRAY VOLUME

10–300+

gal/acre depending on canopy and target surface

RE-APPLICATION

5–10

day intervals depending on crop & disease pressure



Check the full compatibility list for your use case:

san-agrow.com/comp-BOT-BLP



PROTECT YOUR CROPS

- Additional treatments are recommended prior to **predicted high disease pressure**.
- Pre-harvest applications help **extend shelf life** and prevent storage diseases.

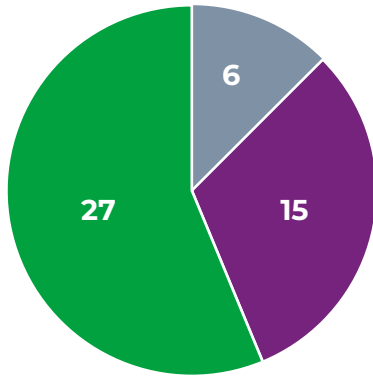
Crop	Diseases	Application Time
 Blueberries	■ Gray mold (<i>Botrytis cinerea</i>) ■ Mummy berry (<i>Monilinia vaccinii-corymbosi</i>) ■ Anthracnose (<i>Colletotrichum</i> spp.) ■ Fruit rot (<i>Phomopsis</i> spp., <i>Rhizopus</i> spp.)	■ Bloom ■ Fruit set ■ Ripening ■ Pre-harvest
 Strawberries	■ Gray mold ■ Anthracnose ■ Fruit rots (<i>Rhizopus</i>, <i>Phomopsis</i>)	■ Bloom ■ Fruit development ■ Ripening ■ Pre-harvest
 Grapes	■ Gray mold ■ Sour rot complex	■ Bloom ■ Bunch closure ■ Veraison ■ Pre-harvest
 Almonds	■ Blossom blight / brown rot ■ Jacket rot / green fruit rot ■ Anthracnose ■ Hull rot	■ Bloom ■ Petal fall ■ Early nut development ■ Hull split
 Fruiting Vegetables	■ Gray mold ■ Anthracnose	■ Bloom ■ Fruit set ■ Ripening ■ Pre-harvest
 Stone fruit	■ Blossom Blight ■ Brown Rot ■ Anthracnose	■ Bloom ■ Fruit set ■ Ripening ■ Pre-harvest

BOTECTOR is effective in a wide range of additional crops against various other diseases. Please check the label for authorizations in your region

PROVEN PROTECTION

Efficacy Data Summary

48 USA trials in berries, grapes, almonds and stone fruit against various fungal diseases.

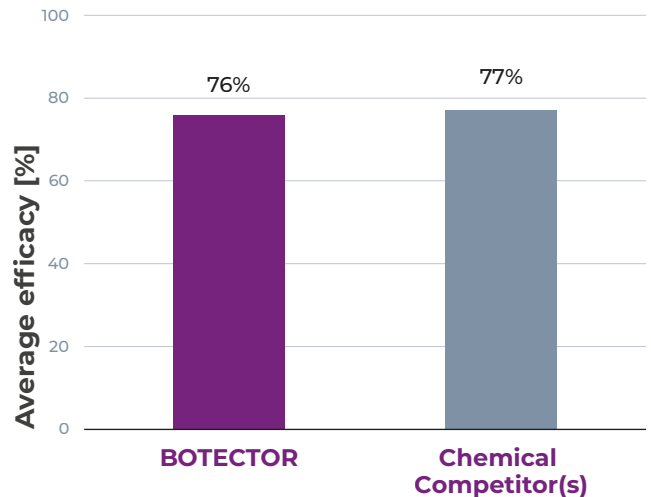


- Better than UTC
- As good or better than biological/organic standard
- As good or better than chemical standard

Summary of positive USA trials in priority crops. In many cases BOTECTOR **performed better** than organic or even conventional standards.

Botrytis control in Strawberries

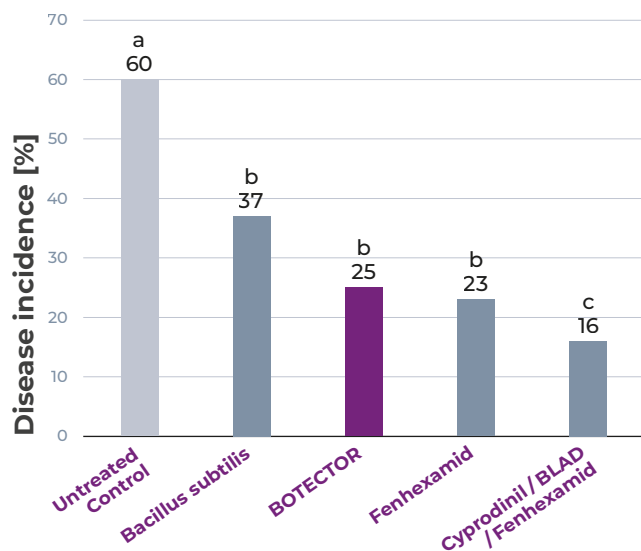
Average efficacy in 13 trials; Italy, Spain, Greece (2013–2023); Applied: 14 oz/a; Chemicals were Cyprodinil + Fludioxonil, Fenhexamid, or a rotation of the two.



BOTECTOR delivers the **same excellent disease control as chemical competitors** in mediterranean climate (equivalent to CA).

Botrytis control in Wine Grapes

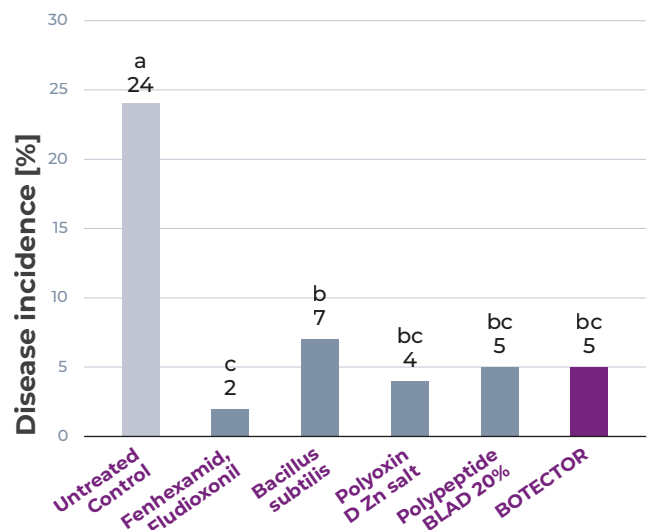
Var. Chardonnay, CA (2016). Applied: 8 oz/a at Bloom, Pre-Bunch Closure, and Veraison.



BOTECTOR effectively reduces **Botrytis** incidence in wine grapes—with equivalent control to chemical competitors.

Post-Harvest-Rot in Blueberries

Botrytis incidence on Blueberryfruits, 7-days post-harvest; Chile(2019); Applied: 14 oz/a, 2 × at Bloom, 2 × to Ripening Fruit.



A comparison with key competitors shows, that BOTECTOR prevents **post-harvest rots as good or even better** than alternative products.



INVISIBLE ARMOR. VISIBLE RESULTS.

BOTECTOR is a strong, organic, and reliable defense, answering the complex challenges of modern specialty crop farming.

Grow your living shield!
Contact your **SAN Agrow** rep or retailer.



SAN-AGROW.COM/BOTECTOR

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Solutions for Sustainable Plant Health and Nutrition

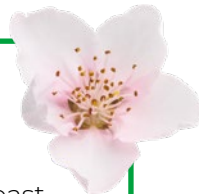
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PROTECTS BLOSSOMS JUST AS WELL



Formulated with the same active yeast, BLOSSOM PROTECT provides the same high level of protection, **shielding your blossoms from fire blight** and other bacterial diseases.

san-agrow.com/blossom-protect