



### PRODUCT HIGHLIGHTS

Protects against soilborne fungal diseases when applied in-furrow.

Provides an additional mode of action against tough-to-control foliar diseases.

Colonizes the rhizosphere, forming a protective barrier that can grow with the roots all season.

Offers flexibility and can easily be added to current in-furrow, herbicide and/or fungicide programs.

Cost effective biological solution shown to have a positive ROI for the grower.

EPA registered.



Always carefully read and follow label instructions.





## HOW IT WORKS

*amyloliquefaciens*

### Bacterial and Fungal Disease Control

The active ingredient in Convergence™ is *Bacillus amyloliquefaciens* strain D747. This strain produces the lipopeptides iturin, fengycin and surfactin, which are cell membrane integrity disruptors. Surfactin is a non-specific lipopeptide that works against bacterial membranes. Iturin targets fungal membranes and cell walls while fengycin destroys the inner content of the fungal cells.

### Induced Resistance

Convergence™ provides induced resistance, which ramps up the immune system for increased defense against disease.

### Colonization and Competition

Convergence™ colonizes the root or leaf surface, forming a protective barrier that outcompetes and displaces pathogens. When applied in-furrow, the barrier formed around the roots can continue growing with the root system for long-lasting protection.

### Enhances Crop Fertility

Convergence™ also produces naturally derived polymer gamma polyglutamic acid, which is proven to increase nutrient uptake, increase root and shoot weight, enhance water use efficiency and chelate heavy metals.<sup>1</sup>

TANK MIXING	TIMING
This product can be applied alone or in combination and/or rotation with chemical fungicides as a tool for integrated disease management in agricultural crops. Can be tank mixed with most synthetic applications. If such a mixture is planned, a compatibility "jar test" should be conducted first by mixing the correct proportions of product and the other intended agricultural chemicals in a small volume of water.	Can be applied at plant and post-plant.
RECOMMENDED RATES	APPLICATION OPTIONS
In-furrow Use Rate: 8-16 fl. oz./Ac Foliar Use Rate: 16-32 fl. oz./Ac	Soil drench, drip, trickle, or any type of sprinkler irrigation, banded/in-furrow and foliar.

### ACTIVE INGREDIENT

*Bacillus amyloliquefaciens*  
strain D747

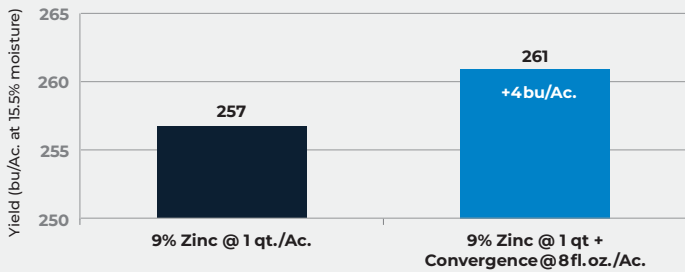
### KEY DISEASES CONTROLLED

- See label for full list of diseases.
- Damping off caused by *Pythium*, *Rhizoctonia*, *Fusarium* or *Phytophthora*
  - Powdery mildew
  - Rusts
  - Leaf spots
  - White mold
  - *Botrytis*
  - Tar spot (2ee)
  - Nematode suppression

### KEY CROPS

- See label for full list of crops.
- Corn
  - Soybeans
  - Peanuts

## Convergence Yield Impact on In-Furrow Corn



Demo split field trial conducted in Huntingburg, IN, in 2022 using Dekalb DKC67-94.

**CERTIS**  
Biologicals

800.250.5024  
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<sup>1</sup> Pang X, Lei P, Feng X, Xu Z, Xu H, Liu K. (2018). Poly-γ-glutamic acid, a bio-chelator, alleviates the toxicity of Cd and Pb in the soil and promotes the establishment of healthy *Cucumis sativus* L. seedling. *Environ Sci Pollut Res Int.* Volume and number publication: *Environ. Sci. Pollut Res. Int.* 25(20): 19975-19988.

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