



## Technical overview

Clariva<sup>®</sup> pn is a revolutionary nematicide designed to protect against soybean cyst nematode (SCN). With a novel active ingredient, *Pasteuria nishizawae* (*P. nishizawae*), Clariva pn is the only nematicide to offer season-long SCN protection.

### Clariva pn key benefits:

- Increases yield potential with effective, season-long protection from SCN, a pest responsible for approximately \$1.5 billion in annual soybean yield losses – more than the next five most damaging soybean pathogens combined<sup>1</sup>.
- Offers more sustainable SCN management, enhancing the performance of SCN-resistant varieties by reducing SCN reproduction and selection pressure.
- Reduces damage from SCN-related diseases such as sudden death syndrome (SDS).

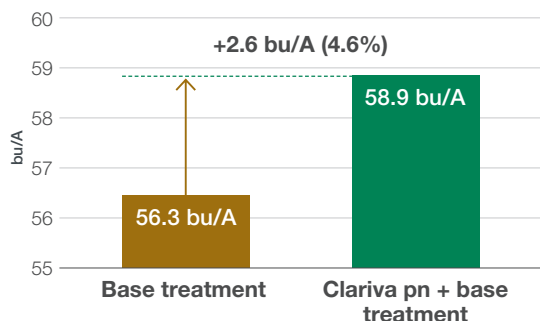


### A complement to SCN-resistant varieties

Crop rotation and SCN-resistant varieties are important tools in the battle against SCN but do not completely eliminate feeding and reproduction, and are not enough to offset SCN's impact on soybean yield. SCN populations across all major soybean-producing areas in the U.S. have shown increased reproduction on varieties using PI88788, the most common source of genetic resistance.

To enhance the performance of SCN-resistant varieties, it is recommended that growers use additional management tools, including nematicide seed treatments like Clariva pn.

### Yield increase from Clariva pn

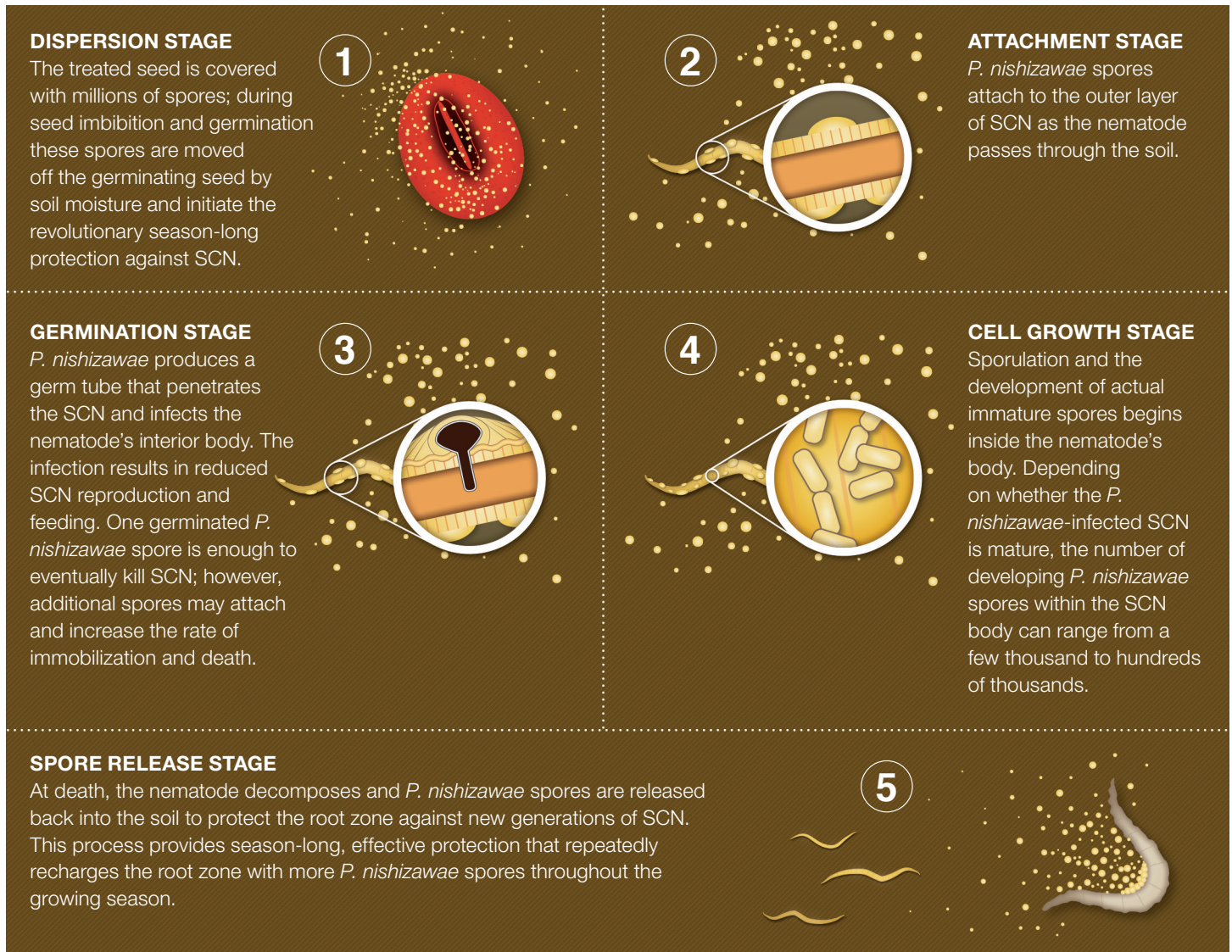


Soybeans treated with Clariva pn applied to an insecticide/fungicide base treatment saw a 2.6 bu/A yield advantage compared to the base treatment alone. Clariva pn works to reduce SCN reproduction and selection pressure to help soybeans reach their full yield potential. By reducing SCN populations, Clariva pn helps to minimize the potential for SCN-related diseases, like SDS, to infect soybeans.

All trials with at least low SCN pressure (>1 SCN egg/100cc of soil)  
Source: Syngenta; 50 on-farm trials, 2013-2014

## How it works

*P. nishizawae* is an endospore-forming bacterium and natural obligate parasite of SCN that delivers a lethal mode of action to reduce SCN feeding and reproduction. The active ingredient does not rely on soil type, moisture content, pH or temperature to be activated, providing soybeans with protection from the day they are planted.



Contact your local Syngenta representative or call 866-796-4368 for more information. Join the conversation online – connect with us at [social.SyngentaUS.com](https://social.SyngentaUS.com)

 **Clariva<sup>®</sup> pn**

**syngenta<sup>®</sup>**

<sup>1</sup>Source: Koenning, S. R., and Wrather, J. A. 2010; United Soybean Board, 2011

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