



syngenta®

AVICTA COMPLETE COTTON:

Triple Protection
Against Nematodes,
Insects and Disease



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Avicta Complete Cotton: Triple Protection Against Nematodes, Insects and Disease

Avicta® Complete Cotton nematicide/insecticide/fungicide seed treatment provides growers a formidable weapon that combats yield robbers before they attack crops. With three powerful components, Avicta Complete Cotton offers a convenient alternative for early-season protection against nematodes, insects and diseases from the day of planting.

Providing complete protection through the early stages of seedling development without the need for a hopper box insecticide treatment, Avicta Complete Cotton gives growers increased efficiency and convenience. The array of early-season protection from nematodes, insects and diseases is right on the seed. Growers simply need to plant the crop and rest assured it will progress through the seedling stage unscathed by common, early-season pests and diseases.

Avicta Complete Cotton has set the standard for nematode, insect and disease protection in the form of a seed treatment. From the leader in seed treatment nematicides and insecticides, Avicta Complete Cotton is the only brand to include a seed-applied fungicide that helps growers win the battle against troublesome pests.



Avicta Complete Cotton Advantages

- Convenient and simple seed-delivered early-season protection
- Protects cotton from all important nematode species
- Broad-spectrum protection against insect pests, including thrips and aphids
- Superior seed-delivered protection against the most important early-season diseases such as *Fusarium*, *Pythium* and pre- and post-emergent *Rhizoctonia*
- Promotes vigorous and healthy cotton seedlings
- Improves yields and return on investment potential
- Improves efficiency and use of labor during planting
- Improves early-season pest management flexibility
- Personal Protection Equipment requirements for handling seed treated with Avicta Complete Cotton are identical to those for Cruiser® seed treatment insecticide, Dynasty CST® seed-applied fungicide and most other common seed treatments.



Convenient Protection against Nematodes

Nematodes are threadlike, microscopic, non-segmented worms that feed in or on developing cotton roots. They can cause significant damage to susceptible crops by feeding on plant roots, transmitting viruses and facilitating bacterial and fungal infections. Nematode damage also provides an entry point for other plant pathogens to invade the root and further weaken the plant.

Avicta Complete Cotton provides a simple, convenient option for early-season pest protection. It eliminates the need for granular in-furrow materials that are metered out through hopper boxes mounted on planting equipment. Hopper boxes require frequent re-filling, cumbersome calibration and the need to monitor product flow through drop tubes that can easily become clogged during operation. Avicta Complete Cotton requires nothing more than pouring the professionally treated cotton seed into the planter boxes and planting. It's as simple as that.



Avicta seed treatment nematicide delivers immediate nematode protection, promoting stronger stands and emergence, and building the foundation for better yield and return on investment potential. Avicta protects against major early-season nematode species, including:

- Southern root-knot nematodes
- Reniform nematodes
- Lance nematodes





Thrips and aphids can pose a serious threat to establishing a strong, healthy cotton stand. To ensure young cotton plants are protected, many growers have come to rely on the preventive protection of early-season insecticides like Cruiser. Targeting pests from emergence through the first weeks of development, Cruiser provides consistent and reliable protection against early-season insect pests under a variety of environmental conditions.

Cruiser is a systemic seed treatment insecticide providing protection throughout the entire plant. It helps plants get a healthy, vigorous start and is important in establishing a strong early-season stand. Cruiser protects plants from a broad spectrum of seed, soil and foliar chewing and sucking insects, including:

- Tobacco thrips
- Western flower thrips
- Cotton aphid
- Cotton fleahoppers (suppression)

Cruiser is the only seed-delivered insecticide that effectively protects cotton seedlings from Western flower thrips.

Syngenta is helping growers stay one step ahead of cotton insect pests by increasing the rate of thiamethoxam (Cruiser) by 10 percent in Avicta Complete Cotton for the 2012 growing season. The enhanced rate will allow cotton growers who have come to rely on Avicta Complete Cotton as their standard seed treatment solution to better combat early-season insects with increased product consistency.



Cotton seedling diseases can jeopardize maximum yields by causing a slow start to the crop. Dynasty CST provides protection against the most serious seed and soilborne fungi that cause diseases in cotton, resulting in better emergence, more consistent stands, improved early-season vigor and higher yield potential.

A combination of three proven fungicides in one convenient product, Dynasty CST contains the active ingredients azoxystrobin, fludioxonil and mefenoxam. This mixture of effective fungicides protects cotton against:

- Pre- and post-emergent *Rhizoctonia*
- *Fusarium*
- *Pythium*
- *Phytophthora*
- *Aspergillus*
- *Helminthosporium*
- *Penicillium*





The Proof is in the Field

Syngenta understands that the way to earn growers' respect is on their acres. The superior level of nematode, insect and disease protection Avicta Complete Cotton provides is evident in fields across the Cotton Belt, producing vigorous, high-yielding cotton plants.



“We treat all our seed with Avicta Complete Cotton. Compared to handling the Temik®, my guys who run the planters just love Avicta Complete Cotton because it is easier to handle. It also seemed

like it grew off faster this year. I knew some guys who used Gaucho® and I have never been pleased with the way their cotton looks. I think the fungicide in Avicta Complete Cotton is as big of a help as anything. This year, we have the prettiest, most even stand of cotton in years.”

TODD BOYD, *Pinetown, N.C.*

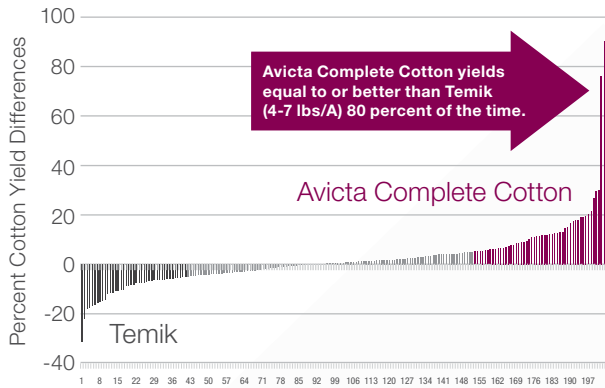


“I have root-knot nematode problems in the sandy areas of my fields. When I used Avicta Complete Cotton, I didn't have the yellow plants in those parts of the fields like I used to have.

The plants in the sandy areas stay healthier and are more vigorous when I use Avicta Complete Cotton.”

GERALD MALIN, JR., *Campbell, Mo.*

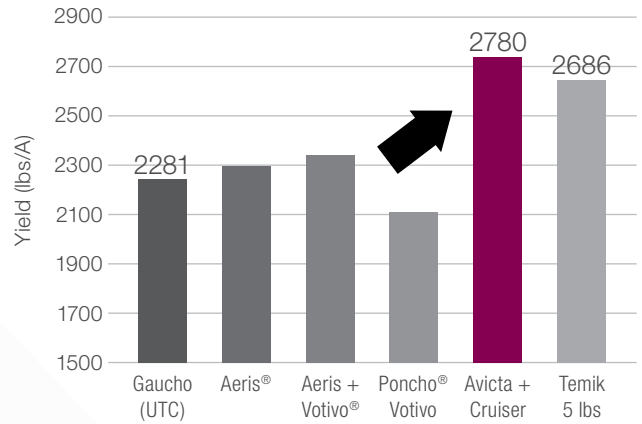
After hundreds of field trials over eight years in all cotton-growing regions, Avicta Complete Cotton has won the recommendation of nematologists throughout the Cotton Belt.



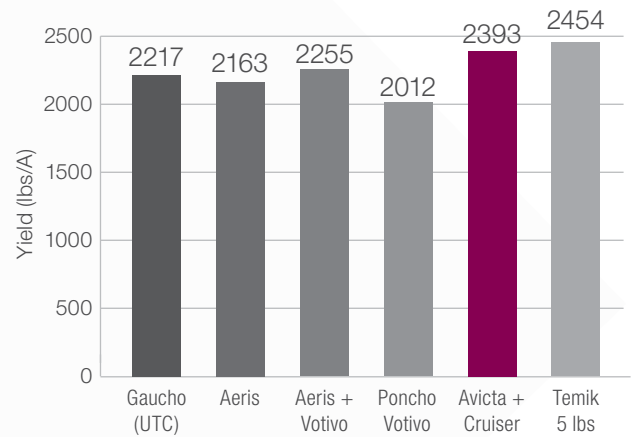
- Avicta Complete Cotton yields greater than Temik® 15G
- Less than five percent yield difference between treatments (similar yields)
- Temik yields greater than Avicta Complete Cotton



Nematicide Test



Phipps, Pat (VA Tech); COTSEEDNEMA310 (Bayer Seed); TAREC Res Farm Variety: ST 4498 B2R, Planted: May 7, 2010. All seed received same fungicides.



Phipps, Pat/VA Tech/05062010 COTSEEDNEMA210. Variety: ST 4498 B2R. All seed received same fungicides. Nematodes/500cc Soil-root knot 410, Spiral 360, Stubby root 60, Dagger 10.



For more information, visit www.farmassist.com or call 1-866-SYNGENT(A) (796-4368).

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Always read and follow all bag

tag and label instructions before buying or using Syngenta products. The instructions contain important conditions of sale, including limitations of warranty and remedy. Crop protection products and seed treatments may not be registered for sale or use in all states. Please check with your state or local extension service before buying or using Syngenta products.

Avicta Duo Cotton is a Restricted Use Pesticide.

Avicta Complete Cotton is an on-seed application of Avicta Duo Cotton nematicide/insecticide and Dynasty CST fungicide. Avicta technology is protected by U.S. Patent No. 6,875,727.

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