

SOYBEAN

# Sustainable Agriculture

## PRODUCTS FOR SOYBEAN:

Avicta® Complete Beans with Vibrance® seed treatment, Besiege® insecticide, Boundary® 6.5 EC herbicide, BroadAxe® XC herbicide, Clariva® Elite Beans seed treatment, CruiserMaxx® Vibrance® Beans seed treatment, a combination of separately registered products, Endigo® ZC insecticide, Flexstar® GT herbicide, Fusilade® DX herbicide, Golden Harvest® seed, Gramoxone® SL 3.0 herbicide, NK® Soybeans seed, Miravis® Neo fungicide, Miravis® Top fungicide, Prefix® herbicide, Quadris Top® fungicide, Sequence® herbicide, Trivapro® fungicide, Warrior II with Zeon Technology® insecticide

As the heart of the agriculture industry, growers are relied upon to produce enough food, fiber and fuel for a growing global population.

At Syngenta, we know growers work hard every day to meet the demands of a growing world while sustaining the land that is their lifeblood.

As consumers desire more transparency to the products they purchase, we help growers put faces and stories to the goods they deliver.

By partnering with growers and providing the tools and technology to promote progress in agriculture we can, together, create a more sustainable industry for future generations.



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## Resource Use Efficiency

### Syngenta Solutions

Effective control of insect pests will increase soybean yield and quality and helps ensure maximum benefit from inputs to the crop such as land, seed, fertilizer and water from the soil or from irrigation.	Warrior II with Zeon Technology, Besiege and Endigo ZC
Reduce weeds so that the soybean crop has less competition for water and nutrients to maximize yields	Boundary 6.5 EC, BroadAxe XC, Prefix, Flexstar GT 3.5, Fusilade DX and Flexstar
Effective control of soybean diseases helps increase yield and ensure maximum benefit from inputs to the crop such as land, seed, fertilizer and water from the soil or from irrigation	Miravis Neo, Miravis Top, Trivapro and Quadris Top SBX
Reduction in soybean transpiration of water during dry conditions benefits yield and helps ensure efficient use of inputs to the crop.	Miravis Neo, Miravis Top and Trivapro

## Resistance Management

### Syngenta Solutions

Two active ingredients and modes of action in one insecticide control soybean aphids which are resistant to other chemistries	Endigo ZC
Contains multiple effective modes of action to help reduce the potential for resistance to any one mode of action	Boundary 6.5 EC, BroadAxe XC, Prefix, Flexstar GT 3.5 and Sequence
Enables multiple modes of action to help manage against the development of resistant weeds	NK Soybeans and Golden Harvest Soybeans with Roundup Ready 2 Xtend® or LibertyLink® traits
Both genetic and biologically-based soybean cyst nematode management options available for enhanced control of nematodes and resistance management	NK Soybeans, Golden Harvest Soybeans and Clariva Elite Beans
Combination of three distinct active ingredients with broad-spectrum modes of action reduces the likelihood of resistance by fungi which produce disease in soybean crops	Miravis Neo, Miravis Top and Trivapro
Control of resistant leafspot using two active ingredients with two modes of action	Miravis Top

## Greenhouse Gas Emissions and Energy Reductions

### Syngenta Solutions

Tank mix efficiency and flexibility allows for multiple pesticides to be applied at once reducing application passes across the field which saves labor and money while reducing energy and greenhouse gas emissions	Boundary 6.5 EC, BroadAxe XC, Prefix and Sequence
Burndown of emerged weeds or vegetation facilitates implementation of no-till and conservation tillage systems which improve soil health and carbon sequestration reducing greenhouse gas emissions	Gramoxone

## Soil Health

Syngenta Solutions

Tool for the burndown of emerged weeds or vegetation in no-till and conservation tillage which helps reduce soil compaction, erosion and improve soil water retention

Gramoxone

Enables planting of the soybean crop into the cooler, wet soils resulting from conservation tillage

Avicta Complete Beans with Vibrance, CruiserMaxx Vibrance Beans and Clariva Elite Beans

Increases soybean root growth through the soil profile which helps reduce soil compaction and improve water retention and uptake

Avicta Complete Beans with Vibrance, CruiserMaxx Vibrance Beans, Clariva Elite Beans and Trivapro

## Labor Reduction and Worker Safety

Syngenta Solutions

The active ingredient is micro encapsulated which helps reduce handler/operator exposure

Warrior II with Zeon Technology, Endigo ZC and Besiege

Pre-mixed herbicides have a single use label which simplifies worker safety and regulatory compliance

Boundary 6.5 EC, BroadAxe XC, Prefix and Sequence

Comprehensive, complementary training and education on safe use and handling of Syngenta Seed Care products

Syngenta Seed Care Institute

Syngenta Customer Center provides a resource for safe use and handling of all Syngenta products

Syngenta Customer Center

## Market Flexibility

Syngenta Solutions

Products have residue tolerances (MRLs) established in multiple countries which allows flexibility in export of soybeans to key international markets

Warrior II with Zeon Technology, Besiege and Endigo ZC



Product performance assumes disease presence.

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