

CORN

Sustainable Agriculture

AAtrex® 4L herbicide, AAtrex® Nine-0 herbicide, Acuron® herbicide, Acuron® Flexi herbicide, Agrisure Artesian® trait, Agrisure Duracade® trait, Agrisure Viptera® trait, Avicta® Complete Corn 250 with Vibrate® seed treatment, CruiserMaxx® Corn seed treatment, Force® 6.5G insecticide, Force Evo® insecticide, Gramoxone® SL 3.0 herbicide, Halex® GT herbicide, Miravis® Neo Fungicide, Trivapro® fungicide

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.

AAtrex 4L, AAtrex Nine-O, Avicta Complete Corn 250, Force Evo, Force 6.5G and Gramoxone SL 3.0 are Restricted Use Pesticides.



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Resource Use Efficiency

Syngenta Solutions

To maximize crop health and yield potential, robust preemergence herbicides plus herbicides with residual activity control weeds before they start to compete for water and nutrients	Acuron, Acuron Flexi and Halex GT
Trivapro and Miravis Neo have demonstrated enhanced water use efficiency. Plants are better able to utilize the limited water they have under dry conditions and therefore suffer less yield losses due to moisture stress	Trivapro and Miravis Neo
Effective control of corn diseases helps corn roots gain the mass and depth they need to ensure maximum benefit from the soil and inputs to the crop such as fertilizer and water	Trivapro and Miravis Neo
Helps plants start strong. Vigorous growth early promotes canopy closure which reduces sun exposure to the soil. This reduces direct evaporation as well as weed establishment that then competes for limited water reserves	Trivapro and Miravis Neo
Control corn rootworm and other secondary insects which reduce plant's ability to uptake water and nutrients, leading to increased plant stress	Force 6.5G and Force Evo
Agrisure Artesian hybrids deliver more efficient conversion of water to grain, delivering more consistent yield potential in water-limited conditions	Agrisure Artesian hybrids
Enhancement of nitrate reductase activity in plants making nitrogen more readily available for plants	Avicta Complete Corn 250 + Vibrance

Harvest Losses

Syngenta Solutions

Improvements in stalk quality reduces crop lodging and improves harvest efficiency	Trivapro and Miravis Neo
Comprehensive control of corn ear feeding insects and lower corn prices at market	Agrisure Viptera hybrids

Greenhouse Gas Emissions and Energy Reductions

Syngenta Solutions

Tank mix flexibility allows for multiple pesticides to be applied together at one time reducing application passes across the field which reduces energy use and Greenhouse Gas Emissions	Trivapro and Miravis Neo
One pass weed control results in reduced application passes across the field which reduces energy use and Greenhouse Gas Emissions	Acuron
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 SL 3.0

Labor Reduction and Worker Safety

Syngenta Solutions

Trivapro and Miravis Neo have demonstrated improvements in harvest efficiency. This is due to improvements in stalk quality which reduces lodging and improves harvest efficiency	Trivapro and Miravis Neo
Tank mix flexibility allows for multiple pesticides to be applied together at one time which saves labor	Trivapro and Miravis Neo
Packaged and applied only through a closed system, reducing potential for handler and worker exposure	Force Evo
Broad-spectrum herbicides provide for more complete weed control in one pass reducing the number of trips across the field and saving time and labor	Acuron, Acuron Flexi and Halex GT
Syngenta Customer Center provides a resource for safe use and handling of all Syngenta products	Syngenta Customer Center

AAtrex 4L, AAtrex Nine-O, Acuron, Avicta Complete Corn 250, Force 6.5G, Force Evo and Gramoxone SL 3.0 are Restricted Use Pesticides.

Soil Health

Syngenta Solutions

Burndown of broadleaf weeds facilitates the implementation of no-till and conservation tillage which helps reduce soil compaction and erosion and improves soil water retention	Acuron, Acuron Flexi, Gramoxone SL 3.0 and Aatrex
Enables planting of the corn crop into the cooler soils resulting from conservation tillage, a practice which improves soil health	CruiserMaxx Corn 250 + Vibrance
Rapid, simple control of cover crops to facilitate crop establishment while improving soil health	Gramoxone SL 3.0

Resistance Management

Syngenta Solutions

Trivapro is a combination of 3 distinctly different modes of action reducing the likelihood of resistance development in the fungi causing corn diseases	Trivapro and Miravis Neo
After 25 years of use, resistance has not been documented in the corn rootworm population	Force Evo
Multiple effective site of action premix products that help to manage against herbicide resistance	Acuron, Acuron Flexi and Halex GT
Offers alternate and overlapping modes of action against insects to facilitate resistance management in tandem with trait rotation and/or foliar or seed-applied insecticides	Agrisure® Corn Traits
The Agrisure Viptera trait is now the industry anchor against eroding control of ear and leaf feeding insects, with no reported loss in efficacy and sole control of important pests like Western Bean Cutworm	Agrisure Viptera
Used as part of a two-pass system, helps manage the development of herbicide-resistant weeds that commonly develop in post-emergence only systems. Has 4 active ingredients with 3 modes of action to manage/prevent weed resistance. Acuron reduces the need for late season post-emergent sprays	Acuron

Economic

Syngenta Solutions

Tank mix flexibility allows for multiple pesticides to be applied together at one time reducing application passes across the field which saves money	Trivapro and Miravis Neo
The use of fungicides strengthens corn stalks in the field, reducing lodging, and improving yield. This allows growers to avoid harvesting too early in an attempt to avoid storm induced lodging. Growers can bring in corn at lower moisture levels, reducing drying costs	Trivapro and Miravis Neo
Improved stalk quality from use of these fungicides reduces lodging which in turn improves harvest efficiency. In trials corn could be harvested 1.7 mph quicker when fungicides were used and lodging was reduced equaling \$16/A value in harvest efficiency	Trivapro and Miravis Neo
Controls corn rootworm (CRW) and other soil-dwelling insect pests, reducing the incidence of lodging and making harvesting corn easier and faster, reducing harvest costs	Force 6.5G and Force Evo
Controls CRW reducing the incidence of crop lodging and therefore harvest costs	Agrisure Duracade
Early control of weeds translates into higher yield potential, which may result in a more profitable acre of corn	Acuron, Acuron Flexi and Halex GT

Acuron, Force 6.5G, Force Evo and Gramoxone SL 3.0 are Restricted Use Pesticides.



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Product performance assumes disease presence.

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