



INNOVATIONS THAT MOVE THE WORLD FORWARD.

To grow anything in a sustainable way, you need a trusted partner. At Corteva Agriscience™, we see every field, every acre, as an opportunity to enrich the lives of those who produce and those who consume. We see innovations and relationships as a means of building and ensuring progress for generations to come. From local farmers across the United States to global industry partners, we help grow what's next. Built on a robust portfolio of products, we use our dedicated field support to help expand what is possible for your yield, profits and businesses. It's our way of moving the world forward and building the future of agriculture, together.

ENLIST™ WEED CONTROL SYSTEM

UNRIVALED WEED CONTROL

Take control of weeds like never before. The Enlist™ weed control system builds on the glyphosate and glufosinate systems to advance herbicide and trait technology by adding tolerance to new 2,4-D choline. Tolerance to multiple modes of action help with exceptional control of the toughest weeds. And it's all part of an easy-to-use system.



Give crops robust tolerance to Enlist™ herbicides



The Enlist system offers two herbicide choices to take care of tough weeds: straight-goods product with additional tank-mix flexibility or the convenient blend of two proven products

Enlist Ahead

Helps you get the best results from the Enlist system

TOUGH ON PROBLEM WEEDS

Enlist™ herbicides control tough weeds using 2,4-D choline and Colex-D® technology. Enlist One® is a straight-goods 2,4-D choline that provides tank-mix flexibility. Enlist Duo® herbicide is a convenient blend of 2,4-D choline and glyphosate. Farmers can customize a weed control program to fit their farms. The result: unrivaled weed control designed to land and stay on target.

TAKE CONTROL IN THE FIELD

Superior control of yield-robbing broadleaf weeds, including, but not limited to:

- Giant ragweed
- Lambsquarters
- Marestalk¹
- Morningglory
- Palmer amaranth¹
- Velvetleaf

¹May require a broader management plan including timely application and use of a soil residual herbicide.

IMPROVE ON-TARGET APPLICATION

- Combines with low-drift nozzles to reduce drift up to 90% compared with traditional 2,4-D
- Reduces volatility by 96% compared with 2,4-D ester to help Enlist herbicides stay where applied and improve control

WIDE APPLICATION WINDOW

Enlist herbicides have the same application window you're used to with glyphosate:

- **Enlist corn:**
No larger than V8 or 30 inches
- **Enlist E3™ soybeans:**
No later than R2 (full flower)
- **Enlist cotton:**
Up to midbloom

Visit Enlist.com to learn more.

CORN HERBICIDES

Our portfolio of corn herbicides gives you power over weeds. Our weed control lineup offers ultimate dependability and application flexibility to maximize yield potential in cornfields. For more information, visit corteva.us.

Resicore[®] HERBICIDE

- Strong residual control and versatile application timing at preemergence, postemergence or in a split application
- Controls more than 75 high-anxiety broadleaf weeds and grasses, including waterhemp, marestail and Palmer amaranth
- Formulated with three modes of action in order to provide superior control of the toughest weeds

Keystone[®] NXT HERBICIDE

- Consistent control of a wide-spectrum of grasses and small-seeded broadleaf weeds
- Can be tank-mixed with many pre- and postemergence corn herbicides
- Powered by two modes of action and needs only ¼ inch of rain for activation

SureStart[®] II HERBICIDE

- Proven weed control with the flexibility to apply from preemergence up to 11-inch corn
- Designed to offer a wide application window to control weeds when it matters most – during early developmental stages of corn growth
- Powered by three modes of action to effectively manage herbicide resistance

Keystone[®] LA NXT HERBICIDE

- Provides excellent control of annual grasses and broadleaf weeds
- Designed with a lower rate of atrazine than Keystone[®] NXT herbicide, for atrazine-restricted areas
- Powered by two modes of action and needs only ¼ inch of rain for activation

Realm[®] Q HERBICIDE

- Flexible postemergence application timing, thanks to the built-in safener technology that can be used in diverse weather conditions
- Dry formulation is convenient and makes measuring, mixing and cleanup easier
- Powered by two modes of action to provide lasting control with low use rate

FulTime[®] NXT HERBICIDE

- Offers superior crop safety while providing residual control of foxtail, blacknight shade, waterhemp and other problem weeds
- Control tough grasses and broadleaf weeds in no-till, reduced tillage and heavy residue environments
- Powered by two modes of action

Cinch[®] ATZ HERBICIDE

- Delivers peace of mind by combining weed control and great crop safety when applied early in the season
- Offers efficient time management because it can be applied preemergence to corn in water, liquid or dry fertilizer
- Powered by two modes of action that provide crop rotation versatility

HERBICIDE

Surpass[®] NXT

Revulin[®] Q

Resolve[®] Q

Steadfast[®] Q

Basis[®] Blend

Accent[®] Q

Visit corteva.us for more information on these and other corn herbicide brands.

SOYBEAN HERBICIDES

Our comprehensive soybean herbicides portfolio delivers more thorough weed control. This helps soybean farmers better prepare fields and deliver higher yield. These products ultimately help protect productivity, yield and profit – while maintaining the pride of a job well done season after season. For more information, visit corteva.us.

Elevore[®]

Arylex[™] active

HERBICIDE

- Uses a systemic formulation for effective (spring and fall) burndown control of tough ALS- and glyphosate-resistant weeds, including marestail up to 8 inches tall
- Powered by new Arylex[®] active, which kills weeds from the inside out
- Has a low use rate of 1 ounce per acre, making it an excellent fit in reduced- and no-till production systems

FirstRate[®]

HERBICIDE

- Provides effective, flexible and economical preemergence and postemergence control of the most troublesome broadleaf weeds
- Can be tank-mixed or applied sequentially with glyphosate to help control glyphosate-tolerant biotypes of common ragweed, lambsquarters and marestail
- Offers freedom of rotation to most major crops and may be applied preplant incorporated, preplant surface, preemergence or postemergence

Sonic[®]

HERBICIDE

- Proven to provide long-lasting residual control on a broad spectrum of weeds
- Flexible application rate that can be applied preemergence, up to three days postplant
- Powered by two modes of action, attacking weeds multiple ways to effectively manage herbicide resistance and protect yield potential

Surveil[®]

HERBICIDE

- New premix formulation with excellent mixing and handling characteristics
- Proven preemergence weed control growers count on to fight resistant and hard-to-control grasses and broadleaf weeds
- Short plant-back intervals for key rotational crops

Trivence[®]

HERBICIDE

- Powered by three modes of action, providing both burndown and extended residual activity on a broad spectrum of broadleaf weeds
- Flexible in multiple environments, including in cool, wet spring conditions
- Combination of active ingredients keeps fields clean well after soybean planting to support uniform crop emergence

Afforia[®]

HERBICIDE

- Effective burndown of winter annuals, dandelions and volunteer canola
- Combines three active ingredients and two modes of action for lasting residual control that keeps fields free of the most challenging broadleaf weeds
- Has a low use rate of 2.5 ounces per acre

EverpreX[®]

HERBICIDE

- Flexible application window, including early preplant, preplant incorporated, preemergence and postemergence
- Offers early season residual activity for an effective layer of season-long control of annual grasses and certain broadleaf weeds
- Provides residual control of ALS-, PPO- and glyphosate-resistant weeds

FeXapan[®]

Plus VaporGrip[®] Technology

HERBICIDE

- Next-generation, low-volatility dicamba herbicide for use with Roundup Ready 2 Xtend[®] soybeans
- Tank-mix with other qualified herbicides, providing more modes of action for weed-free acres all season long
- Knocks out the toughest broadleaf weeds, even those resistant to glyphosate – including marestail, kochia, waterhemp and Palmer amaranth

GLYPHOSATE

Allowing you to farm the way you want is important to us. As part of a complete portfolio, we offer unique technology that builds on the trusted glyphosate system with enhanced effectiveness and ease of use.

Durango[®] DMA[®]

HERBICIDE

- Proven control of more than 100 glyphosate-susceptible grass and broadleaf weeds
- Low-foaming characteristics

Abundit[®] Edge

HERBICIDE

- Improved tank-mix compatibility with 2,4-D for burndown applications
- DuPont[™] Abundit[®] Edge can be tank-mixed with DuPont[™] FeXapan[®] herbicide Plus VaporGrip[®] Technology



INSECTICIDES

The legacy of our insecticide portfolio is built on proven performance and continues with the broadest spectrum of insect management solutions on the market. Ingenuity, robust technology and trusted service are the fundamentals driving us to raise the bar and meet the insect challenge of tomorrow.

Lannate® LV

INSECTICIDE

- Stops more than 140 damaging insect pests almost immediately
- Effective against insects that feed on both top and bottom of the leaf because of contact and translaminar activity
- Works over a wide range of temperatures

Lannate® SP

INSECTICIDE

- Reliable control of key pests with both contact and translaminar activity
- Water-soluble powder remains stable under a variety of tank mix conditions
- Active as an ovicide, larvicide and adulticide on many Lepidopterous pests

Lorsban® Advanced

INSECTICIDE

- Trusted broad-spectrum insect control of Lorsban® brand insecticides
- Low-odor formulation for added convenience

Cobalt® Advanced

INSECTICIDE

- Fast knockdown and excellent broad-spectrum residual control
- Two modes of action in every droplet and redistribution within the crop canopy for superior performance
- Multiple crop labels for maximum convenience

Transform® WG

Isoclast™ active

INSECTICIDE

- Excellent control of sap-feeding pests with minimal impact to beneficial insects
- Unique mode of action – great choice for insect resistance management strategy
- Systemic and translaminar activities maximize coverage
- Very low use rate

ROW CROP FUNGICIDES

We offer a fungicide solution with disease control and residual benefits as part of our complete portfolio.

Approach®

FUNGICIDE

- Offers unique movement properties for fast and complete coverage against yield-robbing diseases in row crops
- Provides excellent control of diseases like soybean white mold when utilized as a part of an integrated pest management program
- Tank-mix-compatible with various insecticides and herbicides for full protection

Approach® Prima

FUNGICIDE

- Contains multiple active ingredients to effectively stop disease pathogens and prevent the spread of hard-to-control foliar diseases in row crops
- Delivers broad-spectrum, long-lasting control of diseases like gray leaf spot even under heavy disease pressure
- Promotes plant growth under stressful conditions to maximize yield

CEREAL HERBICIDES

We continue to be the leader in cereal herbicides with proven solutions for high-anxiety weeds like kochia, Canada thistle, cheatgrass and wild oats.

PerfectMatch®

HERBICIDE

- Controls 86 broadleaf weeds and 13 grasses with a single herbicide product
- The trusted broadleaf weed control of WideMatch® herbicide, plus control of these grass species, including wild oats, yellow foxtail, Persian darnel, Italian ryegrass and cheat
- Two modes of action to battle herbicide resistance and manage herbicide-resistant weeds

OpenSky®

HERBICIDE

- Trusted chemistry of GoldSky® herbicide, with easy-to-handle suspo-emulsion formulation
- Consistent cross-spectrum weed control of kochia and grasses in winter and spring wheat, including durum
- Rotational freedom to plant high-value crops

Quelex®

Arylex™ active

HERBICIDE

- Combines a new active ingredient, Arylex® active, with florasulam, for battling against weed resistance, including resistance to ALS and glyphosate
- Controls 28 broadleaf weeds, including henbit, shepherdspurse, mustards, flixweed, pigweed, lambsquarters, geranium and maretail
- Crop rotation flexibility and a broad range of application options

PowerFlex® HL

HERBICIDE

- Provides excellent control of tough broadleaf and grassy weeds in winter wheat like downy brome, cheat and ALS-susceptible Italian ryegrass as well as mustard species like flixweed, shepherdspurse and blue mustard
- Short rotation interval offers growers more flexibility than most winter wheat herbicides
- Tank-mix-compatible with common insecticides, fungicides and broadleaf herbicides

GoldSky®

HERBICIDE

- Combines Group 2 and Group 4 chemistries for control of cheatgrass, wild oats, foxtail, mustard, kochia and wild buckwheat
- Rotational freedom to plant high-value crops
- Wide application window and excellent crop safety in durum and wheat

WideMatch®

HERBICIDE

- Controls more than 60 broadleaf weeds and suppresses 15 grasses along with suppression of an additional 15 broadleaf weeds
- Excellent tank-mix compatibility for weed control in corn and wheat
- Proven control of kochia, Canada thistle and wild buckwheat in spring cereals

NITROGEN MAXIMIZERS

Backed by 40 years of experience, more than 1,000 field trials and university research, N-Serve® and Instinct® nitrogen stabilizers don't just stabilize nitrogen, they maximize it – so crops deliver the max in return. And with the introduction of PinnitMax™ nitrogen stabilizer in 2019, our comprehensive portfolio offers the right fit for above- and below-ground nitrogen protection, leveraging urea, UAN, liquid manure and anhydrous ammonia fertilizer types.

Nitrogen is one of the most costly and important inputs each year. It promotes plant health, improves standability and is a key factor in grain production. The longer nitrogen is available in the root zone, the greater chance plants have to reach optimum yield potential.

From preplant to early stages of maturation, plants' source of nitrogen can be lost due to volatilization, leaching and denitrification. Loss of this critical nutrient can lead to wasted investments and a loss of profit potential.

Farmers can slow the loss of nitrogen by using a nitrogen stabilizer to inhibit the nitrification process.

Corteva Agriscience™ has been the leader in nitrogen stabilization for more than 40 years and offers two proven below-ground nitrogen management solutions. N-Serve® and Instinct® nitrogen stabilizers help keep nitrogen available in the soil for up to eight weeks to grow healthy crops, which leads to increased yield and profit potential. Beginning in 2019,

Corteva Agriscience added the first above-ground nitrogen stabilizer for the company. PinnitMax™ nitrogen stabilizer prevents volatilization of urea and UAN applications for up to 14 days, helping to ensure nitrogen gets into the root zone for crop intake.

With the new addition of PinnitMax, farmers can now customize the protection of their end-to-end nitrogen applications with the full nitrogen maximizers portfolio. PinnitMax works above ground to help applied nitrogen get to the root zone. N-Serve and Instinct, powered by Optinyte™ technology, work below ground to keep it there.

For more information, visit [NitrogenMaximizers.com](https://www.nitrogenmaximizers.com).

PinnitMax™

NITROGEN STABILIZER

ABOVE-GROUND NITROGEN STABILIZER

selectively inhibits ureases in the soil reducing volatilization of ammonia.

Optinyte™ technology

BELOW-GROUND NITROGEN STABILIZERS

with Optinyte™ technology (N-Serve® and Instinct®) reduce nitrification of NH_4^+ to NO_3^- .

This reduces the escape of greenhouse gases into the atmosphere and leaching of nitrates into groundwater.

PinnitMax™

NITROGEN STABILIZER

- Available for purchase for spring 2019 applications, for use with urea and UAN applications
- Prevents volatilization of urea and UAN applications for up to 14 days
- The most powerful, gallon-for-gallon, above-ground urease inhibitor with an ultra-low use rate and easy-to-handle formulation

Instinct®

Optinyte™ technology

NITROGEN STABILIZER

- For use with urea, UAN and liquid manure applications
- Works below ground up to eight weeks, where up to 70 percent of nitrogen loss occurs and extends time nitrogen is in the root zone
- Includes exclusive Optinyte™ technology, which reduces denitrification, reducing the escape of greenhouse gases into the atmosphere, as well as leaching of nitrates into groundwater
- Keeps nitrogen available longer during key, yield-determining growth stages

N-Serve®

Optinyte™ technology

NITROGEN STABILIZER

- For use with anhydrous ammonia
- Works up to eight weeks below ground, where up to 70 percent of nitrogen loss occurs and extends time nitrogen is in the root zone
- Can withstand early season moisture events by keeping nitrogen in the ideal ammonium form longer, so it can help maximize your yield potential

Forty years of research with Optinyte™ technology, the active ingredient in N-Serve® and Instinct® nitrogen stabilizers, shows that inhibiting nitrification and protecting nitrogen at the root zone can result in an average increase of 8.9 bu./A in corn when compared with untreated trials. For more information, visit [NitrogenMaximizers.com](https://www.nitrogenmaximizers.com).

RANGE & PASTURE

We have been leading the way in the Range & Pasture business since 1948. Farmers and ranchers across the country look to us, the Range & Pasture Specialists, for the advanced solutions and expert advice.

Our portfolio provides cost-effective options to control poisonous, noxious, invasive and other hard-to-control weeds and brush that can destroy hayfields, pasturelands, Conservation Reserve Program (CRP) and wildlife habitats by reducing forage yields.

Visit [RangeAndPasture.com](https://www.rangeandpasture.com) to learn how you can grow more low-cost forage.

GrazonNext[®] HL

HERBICIDE

- Superior, broad-spectrum residual weed control
- Not a Restricted Use Pesticide; no grazing or haying restrictions for any class of livestock[†]
- One product controls over 100 of the toughest weeds infesting pastures and hayfields

PastureGard[®] HL

HERBICIDE

- Premier brush and nonresidential weed control
- Not a Restricted Use Pesticide; no grazing restrictions for any livestock except for lactating dairy cattle
- Proven standard for sericea lespedeza control
- Best dogfennel control available
- No residual activity: The product of choice when manure from animals grazing treated areas will be used in compost

Remedy[®] Ultra

HERBICIDE

- Flexible brush control
- Not a Restricted Use Pesticide; no grazing restrictions for any livestock except lactating cattle
- Can be tank-mixed with GrazonNext[®] HL herbicide to help stop broadleaf weeds and add residual control of new sprouts
- No residual activity: One of the products to use when manure from animals grazing treated areas will be used in compost

Chaparral[™]

HERBICIDE

- The broadest-spectrum weed and brush herbicide available for range and pastureland
- One product controls broadleaf weeds, provides residual weed control and controls many brush species
- Season-long performance; provides the best pigweed residual and blackberry control
- Not a Restricted Use Pesticide; no grazing or haying restrictions for any class of livestock[†]

NEW. SIMPLE. NOW.

Introducing Corteva™ Cash and TruChoice® Prepay Savings

Why wait for a rebate? Now there is a better way to buy seed and crop protection products. The TruChoice® offer provides two NEW, SIMPLE and UPFRONT ways to improve your cash flow.



CORTEVA™ CASH

Every farmer who purchases a qualifying amount of Pioneer® brand seed receives Corteva™ Cash to purchase crop protection products from Corteva Agriscience™.

- **INVOICE** Pioneer brand seed from your local sales representative.
- **EARN** your savings by paying your Pioneer invoice amount.
- **REDEEM** your Corteva Cash on qualified Dow AgroSciences and DuPont crop protection products with participating retailers.

TRUCHOICE® PREPAY

Farmers who fund a prepay account with either cash or TruChoice® Financing receive savings on 100+ TruChoice crop protection products purchased through an authorized crop protection retailer. If you also plant Pioneer brand seed, you can qualify to receive savings on your seed at time of purchase.

Contact your participating local crop protection retailer to discuss how you can start saving today.

Visit truchoice.corteva.us for a full list of qualifying crop protection products.



[†]Label precautions apply to forage treated with Chaparral or GrazonNext HL and to manure from animals that have consumed treated forage within the last three days. Consult the label for full details.

PIONEER® brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents.

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