Introduction

This 2020 Product Use Guide provides technical information about Corteva Agriscience™ alfalfa products and sets forth requirements and guidelines for the use of these products. Please read all of the information pertaining to the technology you will be using, including stewardship and related information.

This technical guide is not a pesticide product label. It is intended to provide additional information and to highlight approved uses from certain product labels. Read and follow all precautions and label instructions on any agricultural or pesticide products that you are using.

Not all products described in this Product Use Guide are available in all Corteva Agriscience™ brands.

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If you have any questions, contact your sales professional.

Introduction

Stewardship Overview

A Message About Stewardship

Corteva Agriscience™ is committed to the responsible management of all its seed products.

Proper stewardship of Corteva Agriscience products is beneficial to growers and other stakeholders, including enabling continued grower access to Corteva leading germplasm and biotechnology traits in seed products and helping to enhance grower productivity and profitability. Proper stewardship also promotes responsible use of these products, such as mitigating potential resistance development to enhance long-term durability of Corteva Agriscience technologies. When combined with best management practices, Corteva Agriscience products provide options for growers and their customers.

By accepting delivery of any Corteva Agriscience brand product, growers are contractually obligated to comply with all laws, regulations, and Corteva Agriscience stewardship requirements described in Product Use Guides (including but not limited to):

- Sign and comply with the Corteva Agriscience™ Technology Use Agreement (TUA) at www.agcelerate.com, which may be amended from time to time. Signing the TUA permits access to the Corteva Agriscience germplasm and the biotech trait technologies in Corteva Agriscience seed products.
- Follow Stewardship requirements detailed in Product Use Guide(s), www.corteva.us/Resources/trait-stewardship.html and on product-specific labels.
- Read and follow all seed, pesticide, or other product labels and information.
- Implement appropriate product-specific Insect Resistance Management (IRM) and/or Herbicide Resistance Management (HRM) practices, as required by Corteva Agriscience and the U.S. Environmental Protection Agency (EPA). Following IRM and HRM requirements helps limit development of insect and herbicide resistance and helps to maintain the long-term durability of these technologies.
- Use of Corteva Agriscience seed products solely for producing a single commercial crop encourages the development of better, higher-yielding germplasm and additional technologies and innovations, further improving agricultural productivity.
- Growers are required to discuss trait acceptance and grain purchasing policy with the grain purchaser or grain handler prior to the delivery and sale of crop products (e.g., grain or other plant material containing biotech traits) and only deliver grain to a processor or grain handler that agrees to process, grain and by-products will be marketed in markets where such products are authorized for the specific use. For more detailed information on the status of a trait or stack, please visit www.biotradestatus.com.
- Follow any additional stewardship requirements that Corteva Agriscience deems necessary for a particular product (e.g., grain or feed use or geographical planting restrictions, or use of an authorized herbicide).
- Any forward-looking statements made by Corteva Agriscience related to regulatory approval timelines by their nature address matters that are, to different degrees, uncertain. Any forward-looking statements of anticipated regulatory authorization timelines are not guarantees of government agency action and are based on certain assumptions and expectations of future events that may not be realized.
- Contact your local sales professional for more information.

Our Commitment to Excellence Through Stewardship®

Corteva Agriscience™ is a member of Excellence Through Stewardship® (ETS). Corteva Agriscience products are commercialized in accordance with ETS Product Launch Stewardship Guidance and in compliance with the Corteva Agriscience policies regarding stewardship of those products. In line with these guidelines, our product launch process for responsible launches of new products includes a long-standing process to evaluate export market information, value chain consultations, and regulatory functionality. Growers and end-users must take all steps within their control to follow appropriate stewardship requirements and confirm their buyer’s acceptance of the grain or other material being purchased.

For more detailed information on the status of a trait or stack, please visit www.biotradestatus.com.

Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.
Intellectual Property Protection

Corteva Agriscience™ has a long history of investing in intellectual property to provide growers with high performing varieties and industry-leading services. Our continued commitment to product research results in Corteva Agriscience brand products that consistently deliver high yields to help make you more profitable. Corteva Agriscience also provides you the option to purchase non-biotech products by using new farm management practices, new technologies, and other appropriate practices and can continue to do so into the future.

Why is a TUA required?

- A TUA is required for the purchase of any Corteva Agriscience seed - all crops, biotech and non-biotech. The TUA serves as an agreement between the customer and Corteva Agriscience demonstrating that the customer understands and agrees to follow all license terms, stewardship and applicable legal responsibilities related to their seed products.
- Even though some products do not contain biotech traits, the TUA protects the intellectual property associated with non-biotech products such as germplasm and other intellectual know-how and patents.
- The TUA grants a limited license for the grower to use/plant Corteva Agriscience seed containing Corteva Agriscience sourced technologies (including germplasm, non-biotech traits, and biotech traits) and produce a single commercial crop.
- The TUA requires growers to use and follow the applicable product use guide and labels (seed and herbicide).
- The TUA prohibits certain activities such as saving seed or use of unauthorized herbicides on Endril™ crops (where applicable).

Coexistence

For decades, multiple agricultural systems have successfully coexisted in the United States and around the world, from initial production through supply chains to the ultimate end users. Over time, management practices to facilitate these different agricultural systems have developed and have been continuously improved so that high purity and high quality seed and grain is available to help growers, handlers, and end-users maximize opportunities and take full advantage of the wide variety of technologies available to each. One example of successful coexistence is the production of similar commodities in close proximity, such as field corn, sweet corn, white corn, and popcorn. Coexistence strategies should be designed to meet market requirements using science-based industry standards and management practices, and should be flexible to facilitate diverse options and choice for growers and the food and feed supply chain. This flexibility also should include the ability of coexistence strategies to be modified as changes in products, markets, or practices take place. The on-going success of coexistence has depended upon cooperation, communication, flexibility, and mutual respect for each cropping system among the entire value chain. Over time, growers have adapted to changes and innovation in agriculture by using new farm management practices, new technologies, and other appropriate practices and can continue to do so into the future.

It is therefore incumbent on all growers to consider and implement management practices to satisfy the relevant marketing and stewardship practices required by the desired end market. By choosing to grow any crop, growers are inherently agreeing to use practices appropriate to ensure the integrity and marketability of those crops for the intended market and that safe and consistent production outcomes are being implemented, considering each neighbors’ farm management. This is true regardless of the particular market being served, whether it is specialty crops, crops or crops with biotech traits. For products receiving premiums, the grower is producing a crop supported by a special market price, and therefore assumes responsibility for meeting any applicable market specifications to receive the applicable premium price from that market. Likewise, for products containing biotech traits that may not yet be approved in certain export markets or have special considerations related to production practices (e.g., herbicide application, specialty characteristics), the grower assumes responsibility for the stewardship conditions and implementation related to use of such technologies. Even though the ultimate responsibility is on the grower producing a crop for a particular market to implement appropriate stewardship practices and requirements, including those communicated by a seed provider, it is also each grower’s responsibility to be familiar with and be aware of the planting intentions of his or her neighbors to gauge the need for any appropriate management and coexistence practices. By communicating what is being grown on neighboring fields and the potential implications of those crops or crops with biotech traits, growers can utilize some of the following coexistence considerations to limit potential conflicts, while acknowledging the generally recognized and accepted occurrence of the movement of incidental amounts of pollen:

- What is the crop biolgy and what are the product characteristics, specifically considering whether or not the crop is self-pollinating or cross-pollinating?
- What options exist to arrange or select planting locations and fields to help minimize the potential for outcrossing to or from a particular crop, by considering, for example, appropriate distances of buffer rows, environmental windbreaks, or land devoted to conservation.
- What options exist related to staggering planting times to help temporarily isolate a given crop from the potential of unintended outcrossing?
- What are the potential for inadvertent crossing during planting, harvesting or cleaning activities, considering the use of planters, combines, seed storage bins, seed hopper/boxes, transportation vehicles, and other equipment pre- and post-harvest; and
- Understanding characteristics of applied technologies or pest management tools and the potential impact to different types of crops planted in the vicinity.

Seed Stewardship

Seed treatments, including fungicides, insecticides, nematocides, and amendments, play a critical role in agriculture and the production of a healthy crop. In addition to helping manage against early season pests and diseases, they serve as a viable alternative to soil and soil applications.

Seed treatment management and responsible stewardship play a vital role in sustaining our environment while maximizing crop health. Responsible stewardship practices help maintain seed and seed treatment integrity, which keeps the active ingredient on the seed to achieve the maximum crop health benefit for the investment. In addition, these practices help minimize the potential for adverse effects on producers and the environment, including pollinators, which may be present at the time of planting.

Additional best management practices can be found:
http://seed-treatment-guide.com/

For a short video on treated seed stewardship, click here or type into your web browser the following: https://www.youtube.com/watch?v=p6G5UJLpNEw

For more information on pollinator health visit: http://www.pollinatorhealthcoalition.org

Steps for Stewardship of Treated Seed

Follow Directions – Follow directions on treated seed container labeling for handling, storage, planting and disposal practices.

Minimize Dust – Use advanced seed flow lubricants that minimize dust.

BeeAware – At planting, be aware of honey bees and hives located near the field, and communicate with beekeepers when possible.

Clean and Remove – Completely remove all treated seed left in containers and equipment used to handle harvested grain, and dispose of it properly.

Eliminate Weeds – Eliminate flowering plants and weeds in and around the field prior to planting.

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Integrating Pest Management

As a grower, integrated pest management (IPM) provides you the opportunity to tailor how you manage weeds, insects, and diseases in your fields. IPM integrates responsible use of tools, crop protection products, and cultural management practices to:

- Prevent the buildup of pests through starting with a clean field and rotating crops and traits.
- Use seed products, planting technology, and seeding rates that are appropriate for a given crop in a particular geographic area.
- Scout: Monitor for pest populations throughout the growing season to determine if treatment is necessary.
- Intervene when required, using combination of approaches to manage the pest population.
- Use appropriate maturity products and harvest schedules, destroying crop residue promptly.
- Minimize over-wintering of pests through soil management practices.
- Use crop rotation, including products with different traits, to delay onset of resistance.
- Use multiple modes of action in crop protection products to reduce likelihood of resistance development.

Monitoring Insect Pests

It is important to carefully monitor fields for all pests to determine whether treatment with a pest control method is needed. Scouting techniques and remedial pest control treatments should address the fact that larvae must hatch and feed before incorporated plant protection technologies have an effect on the pests. Scouting should be performed regularly, particularly after periods of heavy or sustained egg laying (especially during bloom), to determine whether larval survival is significant in a particular field.

Weed Management

Herbicide tolerance technology provides convenient, effective, and economical weed control in crops. However, intensive long term use of any single herbicide mode of action can lead to the development of weeds resistant to that mode of action. Planting crops that enable use of multiple herbicide modes of actions as part of an IPM program can provide consistent, effective weed control while reducing the potential for resistance development. Talk to your local sales professional about the herbicide tolerance in your crops.

Corteva Agriscience™ supports the Take Action effort. Take Action is an industry-wide partnership between university scientists, major crop protection providers and organizations representing corn, cotton, soybeans, sorghum and wheat growers to help them manage pests such as herbicide-resistant weeds.

The Take Action effort encourages you to develop a proactive strategy to manage herbicide-resistant weeds that incorporates a diverse set of controls. To find out more about how you can take action, visit www.takeaction.com or contact your local extension office.

Risk Management

Herbicide Groups

The Weed Science Society of America categories herbicides into different groups based on their mode of action. If a given weed population has plants resistant to a herbicide in one group, that weed population may not be able to be effectively managed using only other herbicides in that group. However, that weed population may be able to be managed with a different herbicide from a different herbicide group, whether alone or in combination with a herbicide from that same group, or by using other weed management practices, such as mechanical practices. Note that herbicide classification may not, in all circumstances, address weeds resistant to particular herbicides. Consult your local sales professional, state cooperative extension service, professional consultants, or other qualified individuals to discuss appropriate actions to address specific weeds that appear to show resistance to a particular herbicide.

Weed Management Techniques and Guidelines

Using varied weed control methods is recommended to help slow the development of resistant weed populations. Such varied weed control methods may include using multiple herbicides that act on weeds through different modes of action with similar spectrum, use of tillage or other mechanical methods, and other practices. Use of tillage must be balanced against possible soil and water conservation issues that aggressive tillage may cause. When using herbicides, studies have shown that using the herbicide in compliance with label directions and at labeled rates is important to slow the development of resistant weeds. Also, scouting for surviving weeds after herbicide application can help identify resistant weeds and provide valuable information on how to manage resistance by using different weed management methods. If resistant weeds are identified, one of the most effective ways to inhibit the development of resistant populations or spread of resistance is to use methods that prevent weeds from reproducing by seed or through vegetative propagation. It is also important to clean equipment between sites, as this slows the spread of weed seed between fields.

Before making an application of any glyphosate-based herbicide product, licensed growers of crops containing Roundup Ready® Technology must access the website pre-serve.org to determine whether any mitigation requirements apply to the planned application to those crops, and must follow all applicable requirements. The mitigation measures described on the website are appropriate for all applications of any glyphosate-based herbicide to all crop lands. Growers making ground or air applications to crop land with a use rate of less than 3.5 lbs or 0.7 lbs of glyphosate a.e./A, respectively, or glyphosate applied in Alaska, Oklahoma, Pennsylvania or South Dakota are not required to access the website. If a grower does not have web access, the seed dealer can access the website on behalf of the grower to determine the applicable requirements, or the grower can call 1-800-332-3111 for assistance.

Corteva Agriscience® does not make any representations, warranties or recommendations concerning the use of products manufactured or marketed by other companies including but not limited to those that are labeled for use in crops containing Corteva Technology. All questions and complaints arising from the use of products manufactured or marketed by other companies, or the impact to Corteva Technology from the use of such products, should be directed to those companies. It is growers’ obligation to read and follow product label requirements. Corteva and its affiliated companies are not responsible for any misuse or misapplication of products, including pesticides, by a grower.

Additional stewardship information may be found at www.corteva.com or contact your local sales professional. You may also contact Corteva Agriscience at: 877-4-TRAITS (877-487-2487).

Herbicide Resistant Weeds

Grower awareness and proactive management of herbicide resistant weeds are part of a successful weed control program. Suspected herbicide resistance is defined as the situation where the following three indicators occur at a site or location:

1. Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds.
2. A spreading patch of non-controlled plants of a particular weed species; and
3. Surviving plants mixed with controlled individuals of the same species.

With confirmed herbicide resistance, other weed management practices should be employed to control and prevent the spread of a population of herbicide resistant weeds. Your Corteva Agriscience™ sales professional can provide recommendations for a particular herbicide resistant weed. Report any incident of non-performance against a specific weed to the herbicide used to your Corteva sales professional, local retailer, or county extension agent. Corteva herbicide product labels include weed resistance management language and approved labels, including supplemental labeling, must be in possession of the user at the time of pesticide application and can be obtained by contacting your state’s pesticide lead agency or the website www.pre-serve.org.

Glyphosate Endangered Species Initiative Requirement

Before making an application of any glyphosate-based herbicide product, licensed growers of crops containing Roundup Ready® Technology must access the website pre-serve.org to determine whether any mitigation requirements apply to the planned application to those crops, and must follow all applicable requirements. The mitigation measures described on the website are appropriate for all applications of any glyphosate-based herbicide to all crop lands. Growers making ground or air applications to crop land with a use rate of less than 3.5 lbs or 0.7 lbs of glyphosate a.e./A, respectively, or glyphosate applied in Alaska, Oklahoma, Pennsylvania or South Dakota are not required to access the website. If a grower does not have web access, the seed dealer can access the website on behalf of the grower to determine the applicable requirements, or the grower can call 1-800-332-3111 for assistance.
Null Plant Removal

The industry standard is 90% for the lower limit of plants expressing resistance in varieties with the RR gene. Plants without the RR gene, known as "null plants," will be remeasured at the first glyphosate application. Ideally, this application should occur after the stand is fully established but before it begins its natural growing process as plants mature. Alfalfa plants approach full stature, the number of plants per square foot that declines as plants compete with each other for light, soil moisture and nutrients. For this reason, the first application of a glyphosate herbicide should be made no earlier than establishment, to take out the null plants before they begin this competitive phase. With this strategy, glyphosate herbicides can be applied in later years without fear of null plant loss.

Stand Take-out Guidelines

In conventional or alfalfa varieties with the RR gene, proper stand take-out at the end of a stand’s useful life is important to prevent competition with the subsequent crop. Stand take-out for varieties with RR is similar to that of conventional alfalfa except that glyphosate is ineffective for this purpose. An over-the-top application of a transgenic growth regulator herbicide like 2,4-D-and/or dicamba is usually effective, especially when followed by some kind of tillage operation that breaks up roots and/or covers crooks and tap root.

Control of alfalfa during the stand takeout operation is much better than trying to control volunteers in the rotational crop. Use recommended and commercially available mechanical and/or herbicidal methods for managing volunteer alfalfa with RR in rotational crop fields. Rotation with certain broadleaf crops is not advisable if the grower is not willing to implement recommended stand termination practices.

Management of RR and HVX Volunteers in Rotational Crop Fields

Implement stand treatments before volunteers become too large to control or begin to compete with the rotational crop.

Herbicide alternatives are available for management of volunteer alfalfa in grass crops.

Affiliation with certain broadleaf crops is not advisable if the grower is not willing to implement recommended stand termination practices.

In the event that no known mechanical or herbicidal options are available to manage RR volunteers in the rotational crop, you should change to a crop with established volunteer management practices for that grass crop.

Note: Glyphosate agricultural herbicides are not effective for terminating RR or HVX technology volunteers.

Stewardship Requirements

Planting Limitations: RR and HVX alfalfa planting is not permitted for wildlife feed plots and not for the production of sprouts. Growers who plant alfalfa with RR and HVX technology must be responsible to prevent control of any resulting alfalfa plants.

Hay and Forage Production: Alfalfa has been registered with RR and HVX technology should be managed for high quality hay/forage production, including timely cutting to promote high forage quality (i.e., generally before 10% bloom) to prevent seed development. Additionally, HVX gives the option to slightly delay harvested for higher tonnage without sacrificing acceptable forage quality, while still preventing seed. In geographies where conventional alfalfa seed production is intermingled with forage production, alfalfa and HVX technology must be harvested at or before 10% bloom to minimize potential pollen flow to conventional alfalfa. Alfalfa growers should implement practices to control any alfalfa resulting from the use of alfalfa containing RR and HVX technology. Growers in other areas should harvest before 50% bloom. Growers who are unwilling or who cannot make this commitment to stewardship should not plant or continue to grow alfalfa with RR and HVX technology.

Compliance Requirements

Alfalfa containing RR and HVX technology is for sale and planting in the United States, and not for the production of sprouts or seed. Any crop produced from an alfalfa crop or seed containing RR and HVX technology, including hay and hay products, is considered a rotational crop if planted in counties where necessary regulatory approvals have been granted. Always read and follow pesticide label directions. Crops and materials containing biotech traits may only be exported to, used, processed, or sold in jurisdictions where all necessary regulatory approvals have been granted for those crops and materials. It is a violation of national and international laws to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchasers to confirm their buying position for this product.

Always Read and Follow Pesticide Label Directions. Alfalfa with the Roundup Ready® technology provides crop safety for the top applications of labeled glyphosate herbicides when applied according to label details. Glyphosate agricultural herbicides will kill crops that are not tolerant to glyphosate.

ACCIDENTAL APPLICATION OF INCOMPATIBLE HERBICIDES TO THIS VARIETY COULD RESULT IN TOTAL CROP LOSS.

YOU MUST SIGN A TECHNOLOGY AGREEMENT, READ THE PRODUCT USE GUIDE PRIOR TO PLANTING.

THIS SEED IS ACQUIRED UNDER AN AGREEMENT THAT INCLUDES THE FOLLOWING TERMS: The licensed U.S. Patents for the Roundup Ready® technology can be found at the Corteva Agriscience™ Technology Use Agreement: The Corteva Agriscience® Seed and Technology Use Agreement provides growers the opportunity to purchase, plant and benefit from alfalfa varieties with RR and HVX technology, Monsanto Company’s Roundup Ready® gene technology is protected under U.S. patent, law, and international law. This Agreement is necessary before the seed can be delivered to the grower.

Crop and Seed Use Agreement: Additional, all plantings of HVX shall include an authorized seed production contract. Also, alfalfa with RR and HVX technology is not permitted to be planted in any wildlife feed plots.

Technology Use Agreement: The Corteva Agriscience® Seed and Technology Use Agreement is necessary before the seed can be delivered to the grower. Any crop or material produced from this product can only be exported to, used, processed or sold in countries where all necessary regulatory approvals have been granted. Do not export seed or hay products, use biotech traits, or carry products across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchasers to confirm their buying position for this product.

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Corteva Agriscience™ - TECHNOLOGY USE AGREEMENT

This Technology Use Agreement is entered into by Grower and Corteva Agriscience™ ("defined below") to set forth the terms and conditions upon which Grower shall use Seed containing Corteva Sourced Technology.

By signing below the undersigned represents and agrees that: (1) he/she has read and understands the terms and conditions of this Agreement, including the terms and conditions on the next page, (2) he/she is fully authorized to enter into this Agreement on behalf of the Grower identified in the Grower Information Box below, and (3) the terms and conditions of this Agreement are legally binding on the Grower and all individuals and entities that will plant and grow crops from Seed on behalf of the undersigned and the Grower.

By: ______________________________

(Printed Name of Person Signing)

Grower Authorized Signature

Date of Title of Person Signing

GROWER INFORMATION – Complete Section A

A. For Individual (Bek Prievee Owner) Grower

B. For Business Entity Grower

Business Name

Trade Name (Check One):

Corporate

Partnership
Limited Liability Company (LLC)
Other

Authorized Representative

Full Address

City State Zip Code

Phone

Email Address

City State Zip Code

B. For Corteva Supplier

Supplier Name

Trade Name (Check One):

Corporate

Partnership
Limited Liability Company (LLC)
Other

Authorized Representative

Full Address

City State Zip Code

Phone

Email Address

City State Zip Code

C. For Corteva

Corteva Name

Trade Name (Check One):

Corporate

Partnership
Limited Liability Company (LLC)
Other

Authorized Representative

Full Address

City State Zip Code

Phone

Email Address

City State Zip Code

D. For Corteva Sourced Technology

Corteva Sourced Technology Name

Trade Name (Check One):

Corporate

Partnership
Limited Liability Company (LLC)
Other

Authorized Representative

Full Address

City State Zip Code

Phone

Email Address

City State Zip Code

Licensed Rights granted to Grower shall be used only in the United States as licensed.

"Pioneer" means Pioneer Hi-Bred International, Inc.

"Product Guide" and "Guide" mean the documents published and updated by Corteva from time to time that specify, among other things, stewardship management practices for Seed, Enlist technology, and Corteva './Proprietary' Technology.

"Purchased Seed" means Seed that becomes the property of Grower after the sale of that Seed to the Grower, which Seed is purchased by Grower from either: (a) Corteva, a Corteva Licensee, or a supplier of Seed authorized by Corteva to supply Seed to Grower; or (b) a Grower who has previously purchased Seed from Corteva, a Corteva Licensee, or a supplier of Seed authorized by Corteva to supply Seed to Grower.

"Purchased Seed License" means the written license agreement between Grower and Corteva under which Grower is granted access to the Corteva Sourced Technology and the right to plant the Seed.

"Purchased Seed Stock" means Seed that is the subject of a Purchased Seed License between Grower and Corteva.

"Put" means the ability of Corteva to require the return of any or all Purchased Seed Stock that has been planted to an Enlist crop.

"Seeds" means, collectively, DAS, Pioneer, DuPont, and their affiliated companies.

"TTO" means Technology Transfer Office.

"Third-Party Trait Technology" means seed that is owned by Corteva or a Corteva Licensee that is made available to a Grower under a fully executed valid production agreement, which crop is controlled by Corteva or the Corteva Licensee.

"Update Notification" means a communication to Growers with updated terms of this Agreement, which updates may be communicated to Growers by Corteva in any manner, including documents and updates incorporated herein pursuant to Article 3 hereof.

"Use Guide" published from time to time by Corteva are incorporated herein and deemed a material part of this Agreement.

A. For Individual (Bek Prievee Owner) Grower

B. For Business Entity Grower

C. For Corteva Supplier

D. For Corteva Sourced Technology

Promotions and offers may not be used in conjunction with other offers. Any content on this site may change without notice and may not be suitable for all populations. For more information, visit www.cortevatracts.com or contact Corteva Agriscience at 1-877-4-TRAITS (1-877-487-2487).

This Agreement (including documents and updates incorporated herein pursuant to Article 3 hereof) constitutes Grower’s complete and exclusive agreement with Corteva with respect to Purchased Seed and Corteva Sourced Technology. This Agreement (including documents and updates incorporated herein pursuant to Article 3 hereof) supersedes all prior agreements, understandings, negotiations, and representations between Grower and Corteva. Grower hereby waives any and all rights to bring any action, proceeding, or claim to recover any money or other damages or remedies against Corteva or Corteva’s Representatives for any alleged violations of any of the terms of this Agreement.

For further information or to view the current Technology Use Agreement, Update Notification or a Product Use Guide, go to www.cortevatracts.com or contact Corteva Agriscience at 1-877-4-TRAITS (1-877-487-2487).

Revision date: June 2019 / Corteva Agriscience™ U.S. TUA

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Always follow grain marketing, stewardship practices and pesticide label directions in accordance with the Product Use Guide (PUG) or other product-specific stewardship requirements including grain marketing and pesticide label directions.

Genuity® and Roundup Ready® are trademarks or registered trademarks of Monsanto Technology LLC used under license. Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years wherever possible.

Corteva Agriscience™ is a member of Excellence Through Stewardship® (ETS). Corteva Agriscience products are commercialized in accordance with ETS Product Launch Stewardship Guidance and in compliance with the Corteva Agriscience policies regarding stewardship of those products. In line with these guidelines, our product launch process for responsible launches of new products includes a longstanding process to evaluate export market information, value chain consultations, and regulatory functionality. Growers and end-users must take all steps within their control to follow appropriate stewardship requirements and confirm their buyer’s acceptance of the grain or other material being purchased. For more detailed information on the status of a trait or stack, please visit www.biotradestatus.com.

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Corteva Agriscience (or its chemical company partners) shall have no liability whatsoever for any losses or damages resulting from, or related to, or in connection with, (a) the use of incorrect herbicides applied to alfalfa products that contain the herbicide tolerant traits or (b) non-compliance with any of the other instructions set forth above, and all such liability is hereby expressly disclaimed by Corteva Agriscience and waved by you. If you have any questions on anything outlined in this document or would like additional information please contact your local sales professional.