



Seed Dealer Stewardship Policies

Dealers who are authorized to sell seed containing Bayer's Technologies are responsible for clearly communicating Bayer's Stewardship Policies to employees, especially those who manage customer communications and seed sales. Growers listen to their seed dealers when it comes to product stewardship, and dealers are integral in communicating the importance of proper product stewardship to both their customers and employees.

Bayer's Stewardship Policies are focused on the following key areas:

1. Grower Licensing
2. Integrated Pest Management
3. Insect Resistance Management
4. Weed Management
5. Dicamba Product Stewardship
6. Glyphosate Endangered Species Initiative
7. Commodity Marketing
8. Seed Intellectual Property Protection

1. Grower Licensing

- Seed containing Bayer's patented traits may be sold only to growers who have completed, signed, and submitted a Technology Stewardship Agreement (TSA) for which Bayer has issued a grower license and Technology ID.
- The TSA is a limited-use license that allows growers to access Bayer's patented traits and germplasm and to use seed solely for a single planting of a commercial crop.
- IT IS **RECOMMENDED** THAT THE DEALER ENSURE EACH GROWER IS PROPERLY LICENSED AT THE TIME OF PLACING THE SEED ORDER, AND IT IS **REQUIRED** THAT THE DEALER ENSURE THE GROWER IS PROPERLY LICENSED PRIOR TO DELIVERY OF SEED. Regularly check the "Grower License Lookup" and "Unauthorized Grower List" posted on <http://mycrop.bayer.com> and www.corn-states.com, as these lists can change daily.
- The dealer should also confirm each grower's Agronomic Zone at the time of order to minimize invoicing errors.

How to Obtain a Technology Stewardship Agreement

Bayer uses the AgCelerate platform for grower licensing. AgCelerate is an industry-wide licensing solution that assists seed dealers in ensuring that growers meet current TSA licensing requirements. The AgCelerate platform enables the grower to take ownership of their licensing requirements, thus removing some of the dealer's administrative responsibilities.

Dealers should take advantage of AgCelerate by enrolling at www.agcelerate.com, if they have not done so already. Once enrolled, AgCelerate will provide them with current license and demographic information for each of their growers. AgCelerate also updates daily the "Unauthorized Grower List." AgCelerate provides multiple options for dealers to ensure that growers are properly licensed, which enables speed, transparency, and accuracy associated with the processing of a TSA.

Dealers should visit www.agcelerate.com for more information or call the AgCelerate Support Team at 1-866-784-4630. A dealer may also visit <http://mycrop.bayer.com> or www.corn-states.com for license status inquiries.

Please note that paper TSA's are still an option for growers even though use of the AgCelerate website is strongly encouraged. If a dealer or grower would like a paper copy of the TSA, they should contact the AgCelerate Support Team at 1-866-784-4630.

Every year Bayer sends licensed growers a letter reminding them of their TSA obligations and a website link to the current Technology Use Guide (TUG), which also contains the updated Terms and Conditions of the TSA. The TUG can be found at <https://tug.bayer.com>. If a dealer or grower would like a paper copy of the TUG, they should call 1-866-99-BAYER.

2. Integrated Pest Management

Dealers should encourage growers to follow recommended Integrated Pest Management (IPM) practices, including proper crop rotation, good soil management practices, planting seed containing multiple modes of action, and scouting. Sustainable IPM programs use current, comprehensive information about the lifecycles of pests and their interaction with the environment. Additional information about IPM is available in the current TUG, which can be accessed at <https://tug.bayer.com>.

IPM programs include a combination of best management practices that integrate appropriate products, seeding rates, and planting technologies specific for each crop and geographical area. Some of these practices include:

- Use of proper crop rotation practices and multiple modes of action to control pests to make it more difficult for insects to develop resistance.

- Use of appropriate scouting techniques and treatment decisions to preserve beneficial insects that can provide additional insect pest control.
- Use of soil management practices that encourage destruction of over-wintering pests.

3. Insect Resistance Management

The best way to preserve the benefits of insect-protection traits is to develop and implement an Insect Resistance Management (IRM) plan. It is the dealer's responsibility to make growers aware of IRM requirements when purchasing insect-protected seed.

The U.S. Environmental Protection Agency requires that Bayer implement, and growers who purchase insect-protected products follow, an IRM plan. IRM programs for B.t. traits are based on an assessment of the biology of the major target pests, grower needs and practices, and appropriate pest management practices. These mandatory programs have been developed and are updated regularly in cooperation with growers and experts in insect resistance management, including the National Corn Growers Association and the National Cotton Council, extension specialists, academic scientists, and regulatory agencies.

These programs contain several important elements. One key component is a refuge. A refuge is simply a portion of a field that does not contain a B.t. technology for the insect pest(s) that are targeted by the planted trait(s). The lack of exposure to B.t. proteins allows susceptible insects emerging from the refuge to mate with the rare resistant insects that may emerge from the B.t. crop. Susceptibility to the specific B.t. technology is then passed on to their offspring, helping to preserve the long-term effectiveness of that and possibly other B.t. technologies.

Growers who purchase corn seed, and in some cases cottonseed, that contain B.t. technology must plant a refuge. Refuge size, configuration, and management are described in detail in the IRM Grower Guide (found on corn seed bag tags) and the Corn and Cotton sections of the TUG.

There are several sources of information available to help dealers and growers fully understand the IRM requirements for seed that contains B.t. traits:

- In addition to the IRM Grower Guide and TUG, dealers may also access information on IRM requirements at <http://mycrop.bayer.com>.
- A Refuge Lookup tool can be downloaded from <https://iwilltakeaction.com/refuge-lookup>.

The following IRM logos are available for use by the seed industry and can be found at <http://mycrop.bayer.com>. They should be used on all communications related to crops containing Bayer's B.t. traits, including bag tags.



Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, **including applicable refuge requirements for insect resistance management**, for the biotechnology traits expressed in the seed as set forth in the Monsanto Technology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements.



Corn rootworm (CRW) Best Management Practices include planting the required refuge, crop rotation, use of multiple modes of action against CRW, and insecticide application. These best practices can be found at <https://traits.bayer.com/Stewardship/Pages/Product-Stewardship.aspx>.

Note that dealers are required to support and assist Bayer's EPA-mandated Grower IRM Compliance Assurance Program. They must also ensure employees are aware that they are required to report IRM non-compliance at **1-866-99-BAYER**.

4. Weed Management

Proactively implementing diversified weed control strategies to help minimize selection for weed populations resistant to one or more herbicides is recommended. A diversified weed management program may include the use of multiple herbicides with different mechanisms of action and overlapping weed spectrum with or without mechanical operations (e.g., tillage) and/or other cultural practices. Research has demonstrated that using the labeled rate of the herbicide and following label use directions are important steps that help delay the selection for herbicide-resistant weeds.

Scouting after a herbicide application is important because it can facilitate the early identification of weed shifts and/or possible herbicide-resistant weeds and thus provide direction on future weed management practices. One of the best ways to manage resistant weed populations is to implement measures to prevent weeds from reproducing by seed or proliferating vegetatively. Cleaning equipment between fields and avoiding movement of plant material between fields will greatly aid in slowing the spread of herbicide-resistant weed seed.

Various weed biotypes are known to be resistant to glufosinate, glyphosate and/or dicamba. For regional weed management recommendations specifically related to cotton and soybeans in the Roundup Ready® Xtend Crop System, refer to www.roundupreadyxtend.com. For more information on the Integrated Weed Management Program, visit www.iwm.bayer.com. Also visit the Weed Science Society of America website at <http://wssa.net> to access herbicide resistance training, and www.iwilltakeaction.com for additional stewardship program resources.

Seed dealers should assist growers in proactively implementing diversified weed control strategies to help minimize selection for weed populations resistant to one or more

herbicides. Additional information can be found in the TUG at <http://tug.bayer.com>. Recommendations should include the following:

- Start with a clean field, free of weeds.
- Use a diverse set of weed control tools, including residual herbicides that have a different mechanism of action and are effective on the target weeds.
- Add other herbicide products, at the right rate and timing for post-emergent weed control as allowed by the product label.
- Control weed escapes and remove weeds before they set seed.

5. Dicamba Product Stewardship

As part of Bayer's commitment to responsible product stewardship, we are reminding everyone that **the use of any dicamba product that is not expressly approved and labeled for over-the-top use in the Roundup Ready Xtend Crop System is strictly prohibited by Federal and State laws.**

Currently, the following products are the only low-volatility formulations of dicamba that are approved for use in the Roundup Ready Xtend Crop System:

- XtendiMax[®] herbicide with VaporGrip[®] Technology, a restricted use pesticide (Bayer)
- Tavium[®] Plus VaporGrip[®] Technology herbicide (Syngenta)
- Engenia[®] herbicide (BASF)

Dealers have an important role and obligation in promoting the proper stewardship of the Roundup Ready Xtend Crop System and the use of XtendiMax herbicide with VaporGrip Technology. They should clearly communicate to customers their regulatory and stewardship obligations and direct them to the available resources to set them up for success.

To report any misuse of dicamba, including the use of unapproved formulations, or if anyone has a question about the proper use of low-volatility formulations of dicamba, such as XtendiMax herbicide with VaporGrip Technology, contact a Bayer representative or call **1-844-RRXTEND**.

If Bayer learns that a dealer is selling, promoting or applying a dicamba product for an unapproved use in the Roundup Ready Xtend Crop System, Bayer is committed to take appropriate action that may include withholding program or other incentives, limiting access to any or all Bayer technologies, and cooperating with state pesticide authorities.

6. Glyphosate Endangered Species Initiative

Before making applications of glyphosate-based herbicide products, growers of crops containing Roundup Ready® Technology must access the website www.pre-serve.org to determine whether any mitigation requirements apply to the planned application of those crops and must follow all applicable requirements. The mitigation measures described on the website are appropriate for all applications of glyphosate-based herbicides to all crop lands.

7. Commodity Marketing Stewardship

Bayer is a member of the cross-industry organization Excellence Through Stewardship® and is committed to ensuring the appropriate regulatory authorizations are in place prior to launching products. This commitment is conveyed on any and all printed materials for products containing Bayer trait technologies, including promotions, marketing materials, and packaging.

Bayer is a member of Excellence Through Stewardship® (ETS). Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Commercialized products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

8. Seed Intellectual Property Protection

Bayer takes seed intellectual property (IP) protection very seriously. We are committed to a program that effectively protects our IP rights and treats all farmers with dignity and respect. When we enforce our patent and IP rights, it protects dealers' ability to capture value from the marketplace and fuels vital innovation and product development that sustains long-term productivity and profitability for farmers.

Educational materials related to seed IP protection, including Bayer's Commitment to Farmers and Patents, can be found at <https://traits.bayer.com/Stewardship/Pages/Product-Stewardship.aspx>. Other useful resources include the Roundup Ready Soybean Trait Patent Expiration website at www.savedsoybeans.com and the Bayer patent website at <https://cs.bayerpatents.bayer.com>.

Bayer's success is aided by the valuable information we receive from dealers, customers and others. Dealers should share information related to potential seed IP infringement matters so appropriate action can be taken. Specific examples of stewardship concerns pertaining to IP-protected seed and traits include:

- Planting of seed saved from a prior harvest.
- Transfer of seed for planting from one farmer to another farmer.
- Requests to purchase seed without an active TSA.
- Requests for seed to be sold or transferred internationally

Dealers may not "roll up" sales under a single TSA number when reporting sales, and they may never deliver any Bayer Technology in any brand of seed to any person or entity unless that person or entity has a license in good standing with Bayer.

Seed and trait stewardship concerns as well as saved seed tips can be reported anonymously:

1. Call 1-866-99-BAYER
2. Send a letter to:
Trait Stewardship
622 Emerson Rd., Suite 150
Creve Coeur, MO 63141
3. Submit a contact request on the Crop Science website at www.cropscience.bayer.us/contact (select "Stewardship" as the area of inquiry).
Please note that the online contact request is not anonymous because it requires your contact information, but any information you provide regarding saved seed or seed piracy will be treated as confidential.

Seed Innovation & Protection Alliance

The Seed Innovation & Protection Alliance (SIPA) assists participating seed industry members to promote the understanding and value of seed innovations as well as to facilitate and promote the respect of IP rights for the benefit of members, growers, industry associates, consumers and the agricultural community. Information on SIPA can be found at www.seedipalliance.com.

XtendiMax® herbicide with VaporGrip® Technology is part of the Roundup Ready® Xtend Crop System, is a restricted use pesticide and must be used with VaporGrip® Xtra Agent (or an equivalent volatility reduction adjuvant). For approved tank-mix products (including VRAs and DRAs), nozzles and other important label information visit XtendiMaxApplicationRequirements.com.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® Technology contains genes that confer tolerance to glyphosate. **Glyphosate** will kill crops that are not tolerant to glyphosate. Not all products are registered in all states and may be subject to use restrictions. The distribution, sale, or use of an unregistered pesticide is a violation of federal and/or state law and is strictly prohibited. Check with your local dealer or representative for the product registration status in your state. Bayer, Bayer Cross, Roundup Ready®, VaporGrip® and XtendiMax® are registered trademarks of Bayer Group. For additional product information call toll-free 1-866-99-BAYER (1-866-992-2937) or visit our website at www.BayerCropScience.us. Bayer CropScience LP, 800 North Lindbergh Boulevard, St. Louis, MO 63167. ©2021 Bayer Group. All rights reserved.