



Roundup Agricultural Herbicide: Benefits and Usage

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Roundup Agricultural Herbicides: Still a Game-Changer for Canadian Agriculture

Roundup agricultural herbicides have been an essential tool for Canadian farmers since the mid-1970s. As a groundbreaking agricultural innovation, Roundup has helped transform crop production for the better. Bayer is continuously evaluating and improving Roundup formulations to continue its mission of helping farmers get the most out of every acre while improving lives through food production systems that strive to be better for farmers, consumers – and the planet.

The original Roundup formulation allowed farmers to control almost every emerged weed, which decreased the need for tillage to control weeds and reduced the risk of soil erosion. Roundup also was the right environmental solution at the right time. It was found to decompose into natural products – carbon dioxide, phosphoric acid, and ammonia – and was also found to have an excellent safety profile for humans and wildlife. After half a century of use, Roundup remains the most widely used herbicide in Canada.

THE ROUNDUP READY TRAIT: A MAINSTAY OF CANADIAN CROP PRODUCTION

Launched in Canada in 1996, the Roundup Ready® trait has fulfilled its promise as yet another giant leap forward in crop production. Glyphosate-resistant crops are a mainstay of Canada's agricultural landscape. The use of Roundup has enabled farmers to improve their soil and water conservation through reduced tillage.

This brochure provides details on Roundup brands, value-added benefits and best practice recommendations for use.



Roundup Safety: A Top Priority

The safety of the product has always been of paramount importance. In 2017, Health Canada's Pest Management Regulatory Agency (PMRA) published its re-evaluation* of Roundup agricultural herbicides' active ingredient glyphosate.

PMRA concluded that:

- // Glyphosate does not present risks of concern to human health or the environment, when used according to the label.
- // Glyphosate is unlikely to pose a human cancer risk.
- // Dietary risks from food and water are not of concern.
- // Occupational and residential risk from using glyphosate according to the label are not of concern.

In short, Canada's governing authority for crop protection products, has re-affirmed its conclusions for Roundup safety, when used as directed.

*Scan the QR code below to review the re-evaluation details on the PMRA site.





The Evolution of Roundup Agricultural Herbicides

The Canadian base patent for Roundup expired in 2000 and soon after, generic glyphosate formulations entered the Canadian market. Yet Roundup-branded glyphosate products continue to be the best-selling brands in Canada. How do Roundup-brands continue to add significant value to farmers? They build on the track record of innovation and quality of Roundup formulations and value added services that meet the evolving needs of Canadian farmers.

Here are Bayer's Roundup formulations – and the basis of why more Canadian farmers use these products over generic competitors.



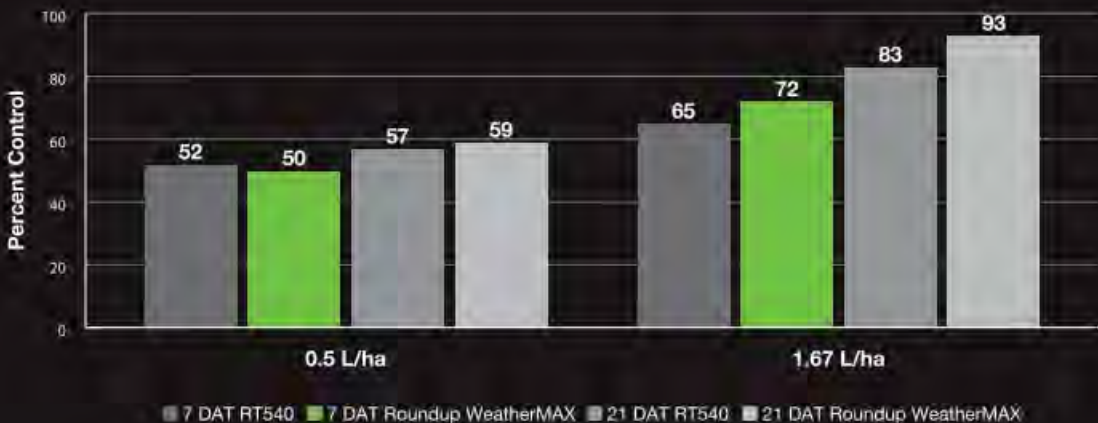
ROUNDUP WEATHERMAX FOR OUTSTANDING PERFORMANCE

Roundup WeatherMAX is a glyphosate herbicide available in Canada. Roundup WeatherMAX translocates throughout the entire weed – roots, shoots, and all – to provide excellent performance on annuals and tough perennial weeds like dandelion and thistles. Fast translocation with Transorb II technology means:

- // Excellent and consistent control of labeled annual and perennial weeds
- // Rainfast as soon as 30 minutes after spraying
- // Seed the same day after spraying for annual weeds
- // Seed in as few as three days after spraying for perennials

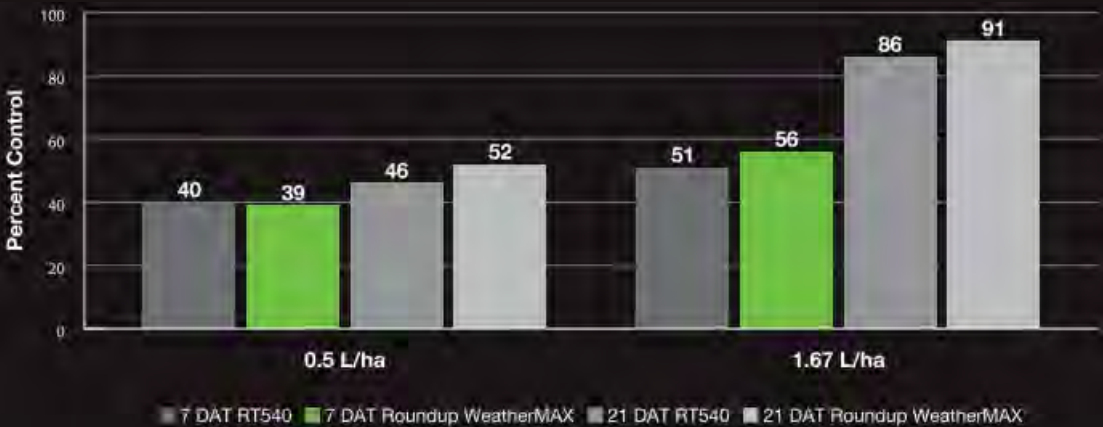
Better Control with Roundup WeatherMAX

LS MEAN CANADA THISTLE CONTROL 7 & 21 DAT



More Consistent Control with Roundup WeatherMAX

LS Mean Perennial Weed Control 7 & 21 DAT



Consistency is a measure of how well Roundup WeatherMAX works. In research trials, Roundup WeatherMAX provided at least 85% control. Greater consistency means you can count on Roundup WeatherMAX for a high degree of uniform control, virtually every time you use it – even for your toughest weed challenges. For example, in field trials where ¼” of rain was simulated one hour after treatment, Roundup WeatherMAX continued to provide 80% control of quackgrass.



ROUNDUP TRANSORB HC FOR MAXIMUM PERFORMANCE AND VALUE

Roundup Transorb HC herbicide delivers outstanding weed control at a lower cost, setting the standard in value, combining performance, support and quality. Plus, the confidence of knowing that Bayer stands behind every jug with the RiskShield® protection package.



THE BENEFITS OF RISKSHIELD PROTECTION

Bayer has the most comprehensive service and warranty performance package on the market for glyphosate products. Roundup WeatherMAX and Roundup Transorb HC herbicides come with unique and comprehensive guarantees for growers who want the assurance of guaranteed performance. Bayer’s RiskShield® Protection Package* consists of the following benefits:

- // **30-Minute Rainfast Guarantee** – If Roundup WeatherMAX does not provide acceptable weed control due to rainfall 30 minutes or more after application, Bayer will replace up to the initial rate for re-treatment (640 acre maximum)
- // **60-Minute Rainfast Guarantee** – If Roundup Transorb HC does not provide acceptable weed control due to rainfall 60 minutes or more after application, Bayer will replace up to the initial rate for re-treatment (640 acre maximum)
- // **Crop Safety Guarantee** – Compatibility of Roundup Ready crops is an integral part of the Roundup WeatherMAX and Roundup Transorb HC formulations; Bayer guarantees crop safety on over-the-top applications of these herbicides on plants containing Bayer licensed Roundup Ready technology (640 acre maximum)
- // **All Weather Warranty** – If farmers are forced to spray Roundup WeatherMAX or Roundup Transorb HC, even in tough conditions, and acceptable weed control is not obtained, Bayer will refund or credit up to the initial use rate of Roundup WeatherMAX or Roundup Transorb HC for re-treatment (640 acre maximum)

RiskShield delivers peace of mind for farmers who choose Roundup brand glyphosate.

* Further terms and conditions apply. For further information, call Bayer Technical Support: 1-855-716-0143.

Evaluating Herbicide Resistance Risk

After 50 years, Roundup agricultural herbicides are still some of the most effective – and popular – herbicides in the Canadian crop protection market. Over time, some weed species have developed resistance to some herbicides – including glyphosate. The diagram below illustrates the herbicide Groups and their susceptibility to resistance. Note that glyphosate has a relatively low resistance factor.

HERBICIDE GROUP RISK

Number of applications

LOW ≤ 10 | Moderate 11-20 | High >20



This diagram classifies herbicide group numbers by their susceptibility to weed resistance. Group 1 and 2 herbicides are high risk. Group 9 (glyphosate) is classified as low risk.

Adapted from Beckie, H.J. 2006. Herbicide Resistant Weeds: Management Tactics and Practices. Weed Technology. Vol. 20. Issue 3. pp. 793-814.

Weed Management Strategies

In response to the threat of herbicide resistance, farmers have adopted crop rotation, tank-mixing multiple effective modes of action (MEMOA) and including mechanical and cultural control methods where possible to delay and manage resistance. Together we can champion stewardship and our actions will shape farming for years to come. Let's take a closer look at some of these weed management strategies.



TANK-MIXING DIFFERENT EFFECTIVE MODES OF ACTION

One way to delay or manage weed resistance is to use permissible herbicide tank-mixes with different modes of action that are effective on your field's weed profile. Weeds are composed of various biotypes or species that differ in their resistance to certain herbicide groups. If the same herbicide groups are used repeatedly on the same field every year, then the resistant biotypes will survive and ultimately thrive in that field. Tank-mixing multiple effective modes of action to control the same weed biotype is essential in combatting resistance.

Research has shown that tank-mixes are more effective at delaying resistance than herbicide rotations. A 4-year study** comparing resistant weed populations when rotating herbicides versus tank-mixing herbicides, showed that applying tank-mixes every year was as effective as never having applied an herbicide in delaying resistance. By contrast, only using the herbicide once in those four years significantly increased the resistant seed bank. The benefits of a tank-mix couldn't be clearer.



THE VALUE OF CROP ROTATION

Annual crop rotation adds diversity, which increases the sustainability of the cropping system over time. It provides the platform for long-term crop management solutions meaning a well-planned crop rotation can:

- // Reduce the impact of weeds, insects, and diseases, leading to higher yields

- // Help manage crop residue
- // Lower input costs in some rotational crops
- // Diversify marketing options
- // Grow crops that compete better with weeds
- // Improve soil health



OTHER CROP MANAGEMENT STRATEGIES

Farmers can consider if these additional crop management strategies are right for their operation. They include:

- // Tillage. If tillage is an option, mechanical weed control can be a valuable tool. If you practice min-till or no-till crop production, a permissible pre-seed tank-mix application can deliver similar results.
- // Variable Seeding. Seed competitive varieties and increase seeding rates to strengthen the crop ability to compete with weeds. Vary seeding rates and decrease row spacing where appropriate.
- // Herbicide Selection and Application. Choose the herbicides that target your most difficult weeds. Use full label rates and adequate water volumes. Calibrate your application equipment to ensure optimal droplet size. Avoid spraying at excessive speed or under windy or rainy conditions.

**Source: Beckie and Reboud, 2009. Weed Technology, 23: 363-370

Controlling Perennial Weeds with Roundup

Dandelion

Dandelion is a common perennial weed with a deep tap root system. It spreads readily by airborne seed. In reduced tillage systems, dandelion can become more problematic and can even interfere with good crop establishment. The best time to control dandelion is in the spring prior to seeding at the bud to bloom stage of the weed. Field research with Roundup on dandelion indicates a trend towards better, more consistent control than other glyphosate formulations*.

For optimum dandelion control, assess the size of weed seedlings in your field and ensure your Roundup rate matches the weeds you're treating:

- // If dandelion leaves are less than 15 cm (6 inches) in diameter, apply a minimum of 0.67 L/ac.
- // For dandelions greater than 15 cm (6 inches) in diameter, apply 1 to 1.34 L/ac.

Because dandelion readily germinates from seed, it can also be controlled with an in-crop Roundup herbicide (on glyphosate-resistant crops only) or with a preharvest application.

* Field Solutions and Market Development formulation trials. Protocol 2019-02-09-01



Canada and Perennial Sow Thistle

If reducing thistle populations on your farm is the goal, a fall application is your best option. At this time of the year, thistles are generally in their reproductive phases, so the active ingredient is thoroughly translocated into the root system via the most active upper leaves of the thistle as the plants are preparing for dormancy to overwinter. A spring application as part of your burndown strategy or in crop with Roundup Ready crops will also control emerged thistles but the plants will regrow from the roots since the movement of the plant's reserves is predominantly up from the roots at this time of the year. A combination of spring and fall applications may be necessary to limit crop competition and reduce populations in a given field.





Controlling Annual Weeds with Roundup

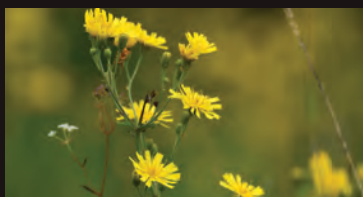
Better, more consistent annual weed control means fewer weed escapes that can compete against your crop as it establishes. Improved annual weed control, especially under heavy weed infestations, can improve the bottom line come harvest time.

For tough winter annuals, transplants, and micro-annuals — those tiny weeds that escape detection — Roundup is an ideal solution. Just one litre per acre of Roundup pre-seed can give you powerful control of labelled annual weeds. Plus, you'll control many of your toughest perennials — like quackgrass and dandelion — at the same time.



Wild Oats

On wild oats, a key indicator species for annual weed control in Western Canada, Roundup WeatherMAX delivers excellent and consistent wild oat control.



Winter Annuals

Big winter annuals are often difficult to control with tillage. They start growing early in the spring and have large root systems that cling to the soil. Not only do winter annual escapes look unsightly, but they can steal moisture and nutrients from your emerging crop.



Transplants



During tillage or seeding, annual weeds can be transplanted on field equipment. These transplanted weeds, because they are farther advanced than the emerging crop, provide serious competition and can result in yield loss. With Roundup preseed, you'll control labelled annual weed transplants that get moved around — but not killed by machinery.



Min-till and no-till systems

In min-till and no-till production systems, annual weeds can compete strongly with the crop. Cutting back on tillage leaves annual weeds free to grow. Left untreated prior to seeding, annual weeds can get ahead of the crop, resulting in lost yield. Farmers with experience in min-till say that getting the crop off to a fast, clean start is essential. A herbicide application of Roundup will pay dividends in improved annual weed control.



Spray and seed on the same day

With Roundup, you can spray annual weeds and plant the same day. If you're also treating for quackgrass and dandelions, you should delay seeding for three days after spraying.

Application Timing For Best Results

ROUNDUP BURNDOWN FOR CROPPING SYSTEM FLEXIBILITY

You can use a permissible Roundup tank-mix in any crop production system. In no-till and min-till systems, Roundup herbicides are used to eliminate labelled perennials prior to placing seed in the ground and to provide annual weed control to get the crop off to a fast, clean start with these simple steps:

- // Apply the permissible tank-mix as a pre-plant burndown
- // Seed crop any time after spraying
- // Follow up with post-emergent herbicides, if necessary

A tank-mix with Roundup and another permissible effective mode of action herbicide is an ideal way to control established perennial and emerging annual weeds in one pass – and to protect your crop’s yield potential. Having multiple effective modes of action helps control more weeds ahead of crop establishment. If the tank-mix partner is a residual herbicide, it can decrease weed pressure over a longer time, thus reducing weed competition and increasing yield potential. The tank-mix can also help to manage your time in the busy early season period.

Bayer has a handy guide to determine PMRA permitted and Bayer approved tank-mixes for different crops, weeds, and provinces. You can find it here: <https://www.cropsscience.bayer.ca/grower-tools/tank-mix>.

You can also check your provincial government’s Guide To Weed Control for approved Roundup tank-mixes on the crops you choose to grow.

IN-CROP APPLICATION



TRUFLEX CANOLA: A REVOLUTION IN CANOLA PRODUCTION

In 2019, Bayer introduced TruFlex® canola with Roundup Ready® Technology, a system built on leading genetics to deliver higher yield potential than current glyphosate tolerance technologies. Protecting that potential requires not only effective weed control, but crop safety as well.

Farmers growing TruFlex canola have the flexibility to apply up to 0.67 L/ac of a Roundup herbicide twice in the cotyledon to first flower, which is when 50% of the plants in the field have no more than one flower. If spring weather doesn’t cooperate or you experience delays, using one Roundup herbicide application of up to 1.33 L/ac. up to the six-leaf stage of the crop is also an option.

If you’re looking to use all the tools available for canola production, the TruFlex® LibertyLink® canola trait is an option which affords your weed control strategy the safety and flexibility of Roundup agricultural herbicides as well as Liberty herbicide to customize your weed control.



ROUNDUP READY 2 CORN FOR BROAD SPECTRUM WEED CONTROL AND PROVEN CROP SAFETY

Corn hybrids with Roundup Ready 2 Technology® deliver flexibility, broad-spectrum weed control, proven crop safety and cutting-edge agronomics. With Roundup Ready 2 Technology, farmers can select the weed control program that best fits the way they farm and their unique weed spectrum. That could include the use of a residual herbicide in a permitted tank-mix with Roundup at either the pre- or post- application timings.

Corn yields are very sensitive to early season weed competition, so your weed control must stop weeds before they become competitive. Roundup Ready 2 Technology allows farmers to control weeds at planting and once they emerge. Residual herbicides can be used multiple times during the growing season (according to their labels) if glyphosate-resistant weeds are expected. Or apply a permissible pre-emerge residual herbicide at the appropriate application rate tank-mixed with a minimum of 0.67 L/ac. of Roundup WeatherMAX.

Depending on weed pressure, you can follow your pre-emerge Roundup application with a post-emerge in-crop application of Roundup WeatherMAX herbicide at a minimum of 0.67 L/ac. for additional weed flushes – before they exceed four inches in height.

Equipment should be cleaned before moving from field to field to minimize the spread of weed seed.



AIM FOR TOP SOYBEAN YIELD POTENTIAL WITH THE ROUNDUP READY XTEND CROP SYSTEM

For advanced genetics, high performance potential varieties, on-the-ground testing and breakthrough innovations, depend on the Roundup Ready® Xtend Crop System. Get the high yield potential of Roundup Ready 2 Xtend® or XtendFlex® soybeans while controlling tough-to-manage weeds like Canada fleabane, waterhemp, kochia and more with short-term residual weed control from XtendiMax® 2 with VaporGrip® Technology herbicide or Roundup Xtend® 2 with VaporGrip Technology herbicide. Plus, with XtendFlex soybeans, you also have the option to use glufosinate.

As with any soybean production system, it's important to start with a clean field, using a permissible burndown tank-mix with Roundup plus a residual herbicide and/or tillage to optimize herbicide performance by controlling weeds early, when they are small and actively growing.

Controlling Weeds Preharvest with Roundup

As harvest approaches, you may notice weeds in your crop that emerged late in the season. Roundup agricultural herbicides are registered for preharvest weed control in many crops. Preharvest application of **glyphosate formulations are meant to control weeds and are not to be used as a desiccant**. Preharvest is the best time for controlling weeds such as Canada thistle, quackgrass, perennial sow-thistle, dandelion, toadflax, and milkweed.

Perennial weeds often maintain a foothold in fields and can be present at harvest. If left uncontrolled, these well-established weeds will continue to spread across the field and can get the jump on next year's crop — cutting yield and returns.

Applied 7 to 14 days before harvest, a preharvest application of a Roundup herbicide effectively controls milkweed, dandelion, and perennial thistles including Canada and perennial sow thistles. In the fall, the weeds are actively translocating food reserves to the roots and rhizomes. A preharvest application of a Roundup herbicide also translocates through the weeds to provide a high degree of control.

Preharvest Roundup herbicide applications should only be applied in registered use patterns and rates for weed control once grain moisture is less than 30% in the least mature part of the field. Applying a Roundup herbicide too early may reduce crop yield and/or quality and can result in unacceptable glyphosate residues in the harvested grain, which can create market risk. Farmers are advised to consult with their grain buyer before using this product on their crop. Some crops may not be accepted if treated with a preharvest Roundup application. The Preharvest Staging Guide will help you to determine when grain moisture is less than 30%.



ROUNDUP HERBICIDES CAN BE APPLIED PREHARVEST ON MULTIPLE CROPS. FOR SPECIFIC INFORMATION ABOUT THE CROP YOU'RE GROWING, SCAN THE QR CODE TO VIEW THE PREHARVEST STAGING GUIDE



Solve Next Year's Weed Challenges Post-Harvest

Harvesting your crops provides an excellent opportunity to identify perennial weed infestations. From the combine, you can see green weeds, perhaps in fields that were previously thought to be weed-free. Those infestations are a ticking time-bomb, waiting to explode into a full-fledged problem next spring. This is especially true in early-harvested fields, where these weeds can really take off in the fall before freeze-up. For example, dandelions can become visible at harvest or can germinate from seed after harvest and produce rosettes to overwinter.

Your Roundup herbicide post-harvest weed control strategy allows a wide window of application and permits weed control to fit around other fieldwork. Here are some pointers to keep in mind:

- // Use 0.67 — 1.34 litres per acre of a Roundup herbicide for control of quackgrass; use higher rates for heavier infestations and for control of perennial broadleaf weeds
- // Allow sufficient regrowth after harvest so that quackgrass has 3 to 4 leaves of new growth and shows a high proportion of green coloration; dandelions should be actively growing
- // After light frosts, you can still apply a Roundup herbicide on perennial grasses and dandelions if 60% or more of the plant matter is still green and actively growing
- // Apply a Roundup herbicide until a damaging frost of -5°C ; if frost damage is suspected, wait 2-3 days to see if the plants recover before spraying

POST-HARVEST APPLICATION TIPS FOR SPECIFIC CROPS

Cereals: Allow 8-12" of regrowth. Apply late August through late October (September to mid-October is the optimum time).

Beans: Allow 7 or more days after harvest for best results (with early harvested beans, allow more time for good regrowth).

Corn (silage): Apply when 8" or more quackgrass growth is present.

Corn (grain): Apply 1 or more days after harvest (let dust and chaff blow off quackgrass). Applications can be made well into November depending on location. Quackgrass is very susceptible to Roundup herbicides in this situation because it has been protected all season under the corn canopy. Generally, one or two quackgrass leaves poking through the stubble is enough to permit Roundup herbicide to control. The 0.67 L/ac. rate is usually sufficient in this situation.

Canola: Apply one or more days after harvest.

If you plan on fall tillage, leave 3 days (72 hours) after spraying before entering the field.



Frequently Asked Questions

SHOULD I BE CONCERNED ABOUT THE WATER THAT I USE IN THE SPRAY TANK?

Yes. Make sure you use clean water. You could experience reduced results if you use water containing soil, such as water from ponds and unlined ditches. If you are using hard water (more than 500 ppm of calcium or magnesium), reduce water volumes to 5-10 gpa or increase the rate of Roundup. Talk to your local retailer or call the Bayer Crop Science help line toll-free at 1-888-283-6847 if you're uncertain about your specific situation.

WHY IS IT IMPORTANT TO APPLY ROUNDUP DURING GOOD GROWING CONDITIONS AND TO AVOID APPLICATIONS DURING DROUGHT?

Since glyphosate, the active ingredient in Roundup, employs a weed's own metabolic system to translocate throughout the plant, some weeds may be less susceptible to Roundup, especially under extreme drought conditions, which can slow down their rate of growth. These conditions are less likely to occur under reduced-till planting practices where moisture is usually present.

IF A FROST OCCURS, CAN I STILL SPRAY ROUNDUP?

After light frosts, you can still apply Roundup on perennial grasses and dandelions if 60% or more of the plant matter is still green and actively growing. Apply Roundup until a damaging frost of -5°C. If frost damage is suspected, wait 2-3 days to see if the weeds recover before spraying.

WHAT HAPPENS TO WEED CONTROL IF THE WEEDS ARE COVERED WITH DUST?

Reduced control may occur when weeds are heavily covered with dust. This is an important consideration when planning a pre-emerge application.

THE WEATHER FORECAST CALLS FOR SHOWERS, BUT I'M PRESSED FOR TIME. IS ROUNDUP EFFECTIVE IF A RAIN OCCURS SHORTLY AFTER SPRAYING?

Field trials have shown Roundup WeatherMAX gave control of perennials such as quackgrass when 1/4 inch (6mm) of rainfall was received 30 minutes after application. Quackgrass control was better with Roundup WeatherMAX than other Roundup formulations. Although Roundup provides the excellent rainfastness of all non-selective herbicides available today, the rainfastness period can vary as it is affected by growing conditions, weed species, and the amount of rain.

HOW CAN I MINIMIZE POTENTIAL SPRAY DRIFT?

Avoid spraying in windy or gusty conditions when windspeeds are above 8 km/hr. Choose spray nozzle and sprayer pressure settings in combinations which avoid very fine spray particles.



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. These products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from these products 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 these products. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. It is a violation of federal law to use any pesticide product other than in accordance with its labelling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with products with Roundup Ready 2 Xtend® soybeans. TruFlex® canola contains Roundup Ready® Technology. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELLED AND APPROVED FOR SUCH USES. Contact the Pest Management Regulatory Agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans or products with XtendFlex® Technology.

Roundup Ready® Technology contains genes that confer tolerance to glyphosate. **Products with XtendFlex® Technology** contains genes that confer tolerance to glyphosate, glufosinate and dicamba. **LibertyLink® Technology** contains genes that confer tolerance to glufosinate. **Roundup Ready 2 Xtend® soybeans** contains genes that confer tolerance to glyphosate and dicamba. **Glyphosate** will kill crops that are not tolerant to glyphosate. **Dicamba** will kill crops that are not tolerant to dicamba. **Glufosinate** will kill crops that are not tolerant to glufosinate. Contact your Bayer retailer, refer to the Bayer Technology Use Guide, or call the technical support line at 1-888-283-6847 for recommended Roundup Ready® Xtend Crop System weed control programs.

Bayer, Bayer Cross, RiskShield®, Roundup Logo®, Roundup Ready 2 Technology and Design™, Roundup Ready 2 Xtend®, Roundup Ready®, Roundup Transorb®, Roundup WeatherMAX®, Roundup Xtend®, Roundup®, Transorb®, TruFlex®, VaporGrip®, XtendFlex® and XtendiMax® are trademarks of Bayer Group. Used under license. Liberty®, LibertyLink® and LibertyLink logo® are registered trademarks of BASF. Used under license. Bayer CropScience Inc. is a member of CropLife Canada. ©2024 Bayer Group. All rights reserved.

