



TruFlex[™]
CANOLA with Roundup Ready[®]
Technology

READY WHEN YOU ARE

You only get one shot. So go with your best option: TruFlex[™] canola with Roundup Ready[®] Technology.

IMPROVED CONTROL OF TOUGH WEEDS

We have a message for cleavers, foxtail barley, wild buckwheat and dandelions: TruFlex™ canola with Roundup Ready® Technology is coming for you.

TruFlex™ canola with Roundup Ready Technology is part of our improved canola system designed to give you flexibility for your growing conditions enabling a broader pesticide application window and application rate than our current technology.

Because of its flexible application window and spray rates, the TruFlex canola system allows for the control of a broad spectrum of weeds like cleavers, foxtail barley and wild buckwheat, and can help enable seasonlong dandelion control. Compared to our current technology, farmers can use TruFlex canola to achieve cleaner fields and a higher yield potential in a way that works for their farm's unique challenges.

TIME IS ON YOUR SIDE

From seeding to harvest, you've only got 106 days to maximize your yield potential. But you're not worried. Because you're growing **TruFlex™ canola with Roundup Ready® Technology**. Here's how it can help you make the most of your season:



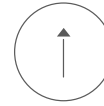
IMPROVED CONTROL OF TOUGH WEEDS

The flexibility of the TruFlex canola system allows for the control of harder-to-kill weeds like cleavers, foxtail barley and wild buckwheat. It also helps enable season-long dandelion control.



FLEXIBILITY IN SPRAY RATES AND TIMING

TruFlex canola has a wider application window than our current technology. If weather or a late flush of weeds delays your spray date, no problem – you can spray up to first flower when applying sequential rates of 0.67 L/ac. The TruFlex canola system also enables flexibility with your Roundup WeatherMAX® herbicide application rate to help get the job done.



HIGHER YIELD POTENTIAL THROUGH GENETICS AND CROP SAFETY

New genetics have packed a lot of yield potential into each TruFlex canola seed. New advances in trait technology helps to enable better weed control and crop safety compared to Roundup Ready® canola. It's a combination that could give you the opportunity to see much more yield potential at harvest time.

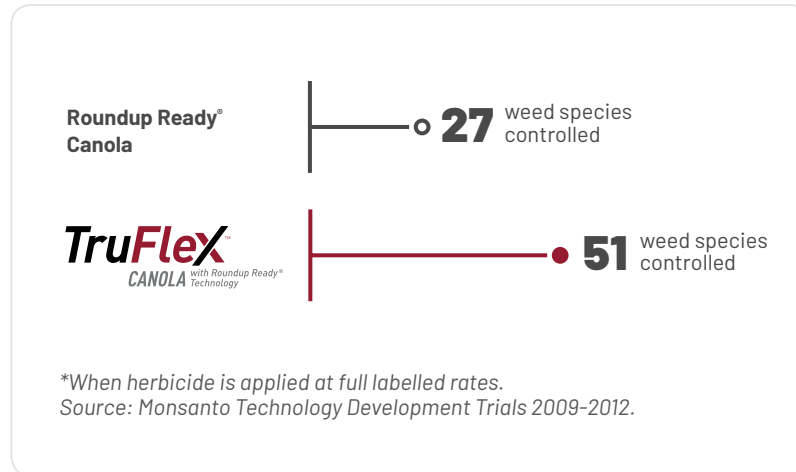
WE ARE THE INNOVATION
LEADER IN THE CROP
TRAIT BUSINESS.

Our research and development pipeline provides farmers with the crop technology they need to overcome challenges in the field and be successful while caring for their families, their farms and the environment.

IMPROVED CONTROL OF TOUGH WEEDS

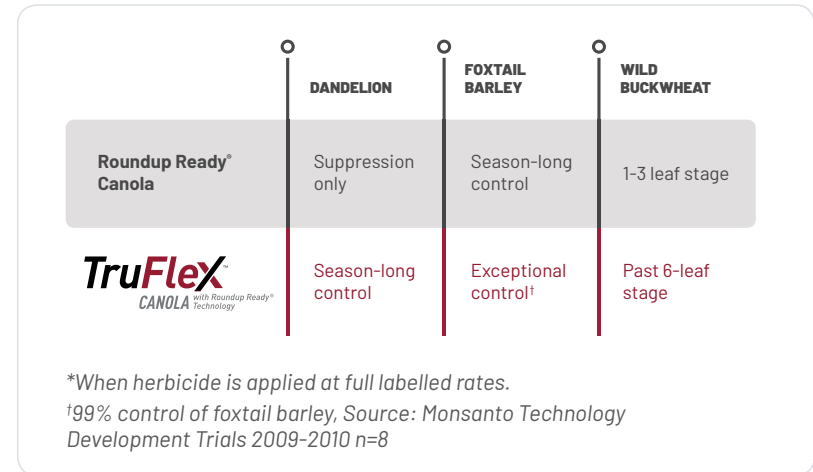
Get more effective and consistent control of both annual and tough-to-control perennials weeds with the TruFlex™ canola with Roundup Ready® Technology system.

CONTROL A WIDER SPECTRUM OF WEEDS



Being able to apply Roundup WeatherMAX® herbicide in-crop at 0.67 L/ac. for two applications or 1.33 L/ac. for a single application will provide a significant improvement in weed control and the ability to control 24 more weed species than is possible with the Roundup Ready® canola system, including yellow foxtail, biennial wormwood and common milkweed, among many others.

CONTROL ANNUALS AND TOUGH PERENNIALS



- **Dandelions:** Helps enable season-long control
- **Foxtail barley:** Allows for 99% control†
- **Wild buckwheat:** Allows for control of large plants past the six-leaf stage with Roundup WeatherMAX herbicide at a rate of approximately 1 L/ac. and large buckwheat (past six-leaf) at a rate of 1.33 L/ac.

CONTROL 24 ADDITIONAL WEED SPECIES WITH TRUFLEX™ CANOLA WITH ROUNDUP READY® TECHNOLOGY

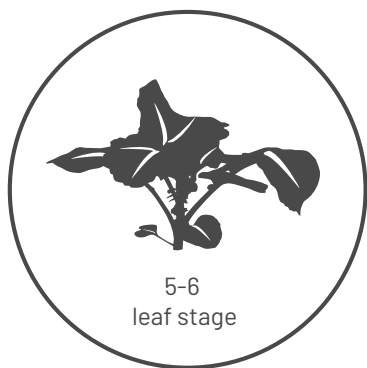
Roundup Ready® Canola System Allows for the Control of:

Wild oats	Stinkweed	Non-Roundup Ready volunteer canola	Chickweed	Shepherd's purse	Stork's bill
Green foxtail	Redroot pigweed	Hempnettle	Corn spurry	Cow cockle	Flixweed
Volunteer barley	Wild mustard	Lady's thumb	Wild tomato	Night-flowering catchfly	Narrow-leaved hawk's beard
Volunteer wheat	Russian thistle	Kochia	Cleavers	Smartweed	Round-leaved mallow
Barnyard grass	Lamb's quarters		Wild buckwheat		

TruFlex Canola System Allows for the Control of:

Canada thistle	Pannsylvania	Volunteer adzuki beans	Volunteer barley	Hempnettle	Night-flowering catchfly
Perennial sow thistle	Foxtail (yellow & giant)	Common milkweed	Volunteer wheat	Lady's thumb	Smartweed
Dandelion	Fall panicum	Yellow nutsedge	Barnyard grass	Kochia	Stork's bill
Quackgrass	Wild proso millet	Field bindweed	Stinkweed	Chickweed	Flixweed
Foxtail barley	Crabgrass (smooth & large)	Horsenettle	Redroot pigweed	Corn spurry	Narrow-leaved hawk's beard
Smooth pigweed	Velvet leaf	Tall waterhemp	Wild mustard	Wild tomato	Round-leaved mallow
Common ragweed	Biennial wormwood	Bur cucumber	Russian thistle	Cleavers	
Cocklebur	Wire-stemmed muhly	Wild oats	Lamb's quarters	Wild buckwheat	
Eastern black nightshade		Green foxtail	Non-Roundup Ready Volunteer canola	Shepherd's purse	
				Cow cockle	

FLEXIBILITY IN SPRAY RATES AND TIMING



**Roundup Ready®
Canola**



TruFlex™
CANOLA with Roundup Ready®
Technology

GET UP TO 10-14 MORE SPRAY DAYS AT IN-CROP TIMING

When it comes to spraying pesticides in-crop, farmers are increasingly pressed for time. Many are managing more acres and seeding earlier, which puts added pressure on pesticide application timing. Spring's unpredictable weather conditions can make the spray window feel even narrower.

TruFlex™ canola with Roundup Ready® Technology will help solve this problem by enabling greater flexibility in application timing.

The window of application for Roundup WeatherMAX® herbicide will extend past the six-leaf stage all the way to the first flower when applying sequential rates of 0.67 L/ac. That's up to 10-14 days longer than our current technology.

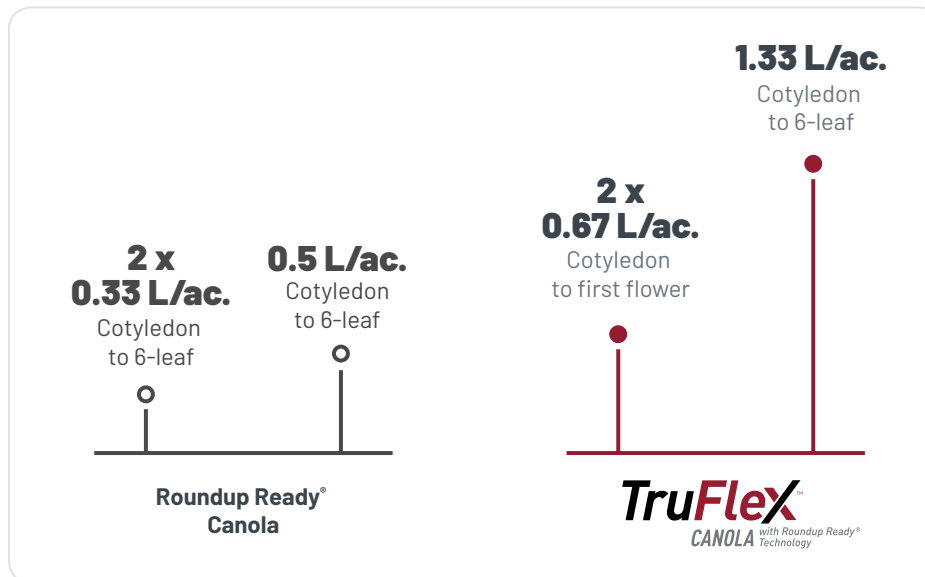
With TruFlex™ canola, farmers will be able to manage their time, deal with challenging weather and can get a cleaner field.

THE RATE FARMERS NEED FOR THEIR WEED CHALLENGES

Weed management isn't getting any easier, and farmers need the tools to keep up with evolving weed pressure.

TruFlex™ canola with Roundup Ready® Technology will allow farmers to have the option to apply Roundup WeatherMAX® herbicide in-crop at 0.67 L/ac. for two applications of 1.33 L/ac. for a single application. That means they can choose the ideal rate for the unique weed challenges on their farms.

When planning herbicide applications, always strive to take care of your weed challenges early in the season. This will give your TruFlex canola crop the best opportunity to reach its high yield potential.



HIGHER YIELD POTENTIAL THROUGH GENETICS AND CROP SAFETY

THE SOURCES OF THE YIELD POTENTIAL FOR TRUFLEX™ CANOLA WITH ROUNDUP READY® TECHNOLOGY

Elite Germplasm

The TruFlex canola trait is available in elite germplasm that has been bred to deliver products with agronomic benefits that Canada's canola farmers need.

Crop Safety

The TruFlex canola system allows for the application of higher rates of Roundup WeatherMAX® herbicide and will help to minimize yield penalty relative to the Roundup Ready® canola system.

HIGHER YIELD POTENTIAL THROUGH CONTROL AND SAFETY

We conducted field trials to test potential crop injury from spraying off-label on Roundup Ready canola. Our research confirmed that spraying canola above the recommended rates or outside the application window was costing farmers three bushels per acre or more in yield.*

**Source: Monsanto Technology Development Trials 2009-2012.*

TruFlex canola with Roundup Ready Technology is built on new genetics to deliver higher yield potential compared to our current technology. Protecting that potential requires not only effective weed control, but crop safety.



SYMPTOMS OF SPRAYING OFF-LABEL*

Symptoms of crop injury from spraying off-label on Roundup Ready® canola can vary from field to field, but here are a few common signs to watch for:

CHLOROSIS / YELLOWING

Earlier on in the crop cycle, you can see chlorosis or yellowing of the crop. Although you may not see this uniformly across the field, there may be spots where it is apparent and indicates damage.



**Spraying above recommended rates or outside the application window*

GROWTH REDUCTION

It is tough to notice growth reduction if a check strip isn't left to compare plant height, but often crop growth may be stunted as a result of off-label spraying.





FLOWER BLEACHING

As the canola enters into the flowering stage, flowers may seem bleached and won't have the rich, distinct yellow of canola. Similar to growth reduction, this may be hard to identify unless there is a check strip. If the colour of the flower looks less bright than some of your other fields, this is most likely due to spraying off-label.



TruFlex™

CANOLA with Roundup Ready® Technology

Find more information on TruFlex™ canola with Roundup Ready® Technology:
Visit Traits.Bayer.ca

Get advice on weed management:
Visit mixitup.ca



Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto'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. Roundup Ready® Technology contains genes that confer tolerance to glyphosate. Glyphosate will kill crops that are not tolerant to glyphosate. Bayer, Bayer Cross, Roundup Ready®, Roundup WeatherMAX® and TruFlex™ are trademarks of Bayer Group, Monsanto Canada ULC licensee. ©2019 Bayer Group. All rights reserved.