

WELCOME



ROUNDUP READY® XTEND CROP SYSTEM

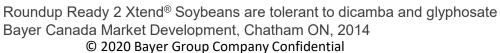




ROUNDUP READY 2 XTEND® SOYBEANS

- Built on the high yield potential of Roundup Ready 2 Yield® technology
- Provides tolerance to both glyphosate and dicamba









ROUNDUP XTEND® WITH VAPORGRIP® TECHNOLOGY & XTENDIMAX® WITH VAPORGRIP® TECHNOLOGY HERBICIDES



OR XTENDIMAX

HERBICIDE GROUP 4 AND GROUP 9

A pre-mix of our low-volatility dicamba formulation and glyphosate.

HERBICIDE GROUP 4

A low-volatility dicamba formulation. Tank mix with a Roundup-brand agricultural herbicide product such as Roundup WeatherMAX® or Roundup Transorb® HC for optimal weed control.

Equivalent tank mix doses of glyphosate and dicamba when applying Roundup Xtend®

Roundup Xtend® with VaporGrip® Technology	Roundup WeatherMAX® or Roundup Transorb® HC herbicide	XtendiMax [®] with VaporGrip [®] Technology	
L/ac (g/ha)	L/ac (g/ha)	L/ac (g/ha)	
2	0.9 (1200)	0.7 (600)	
1.5	0.67 (900)	0.5 (450)	
1	0.45 (600)	0.35 (300)	

- Short-term residual activity from dicamba on small-seeded broadleaf weeds*.
- Designed specifically for the Roundup Ready® Xtend Crop System



^{* *}Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields

INTRODUCING THE NEW 450 L TOTE FOR ROUNDUP XTEND® HERBICIDE WITH VAPORGRIP® TECHNOLOGY

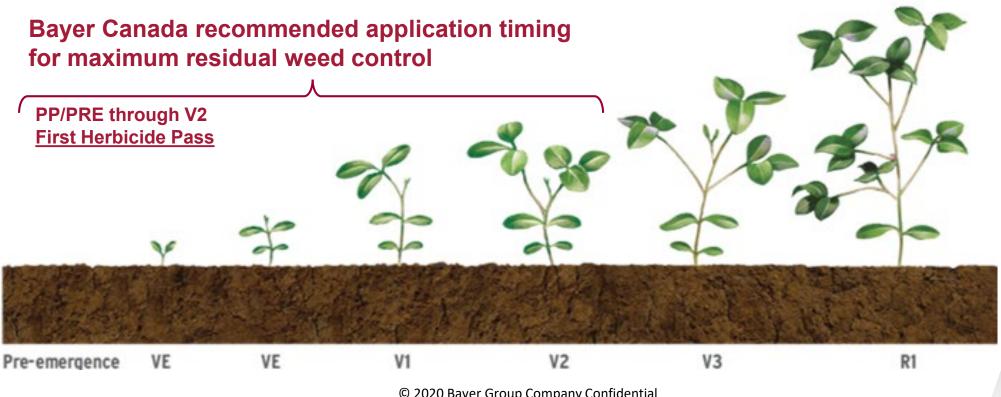


- Cover more area and help control more weeds* with the most effective premix on the market for burndown and residual weed control
- We recommend the 2 L/ac rate (high rate) as the best burndown option for no-till situations
- New tote size also available for XtendiMax[®] herbicide with VaporGrip[®] Technology



WINDOW OF APPLICATION

Application window for Roundup Xtend® herbicide with VaporGrip® Technology and XtendiMax® herbicide with VaporGrip® Technology





DICAMBA IS THE FOUNDATIONAL HERBICIDE IN THE ROUNDUP READY® XTEND CROP SYSTEM

- Provides excellent control of tough-to-manage and herbicide resistant weeds*
 - Ladysthumb
 - Lambsquarters
 - Velvetleaf
 - Wild buckwheat
 - Canada fleabane**
 - Giant ragweed**
 - Kochia**
 - Waterhemp**
- Solid weed resistance management tool when used as part of a diversified weed management program.



Roundup Xtend® with VaporGrip® Technology applied at 2 L/acre University of Guelph, Ridgetown Campus, 20 DAT (June, 2016)

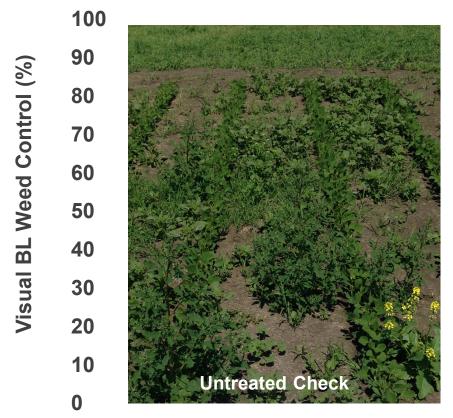


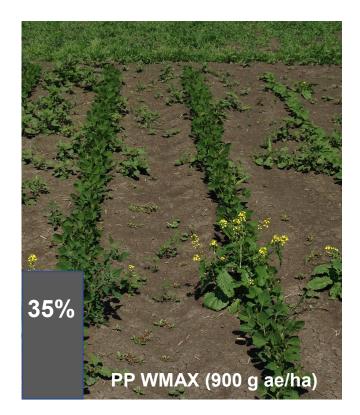
 ^{*} Source: OMAFRA Guide to Weed Control Publication 75 (2018)

 ^{**} also controls glyphosate resistant biotypes.

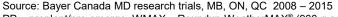
SHORT-TERM RESIDUAL WEED CONTROL FROM XTENDIMAX® HERBICIDE WITH VAPORGRIP® TECHNOLOGY

Short term residual broadleaf weed control from dicamba applied pre-plant (weed control rated prior to POST (V3-V4) herbicide application)









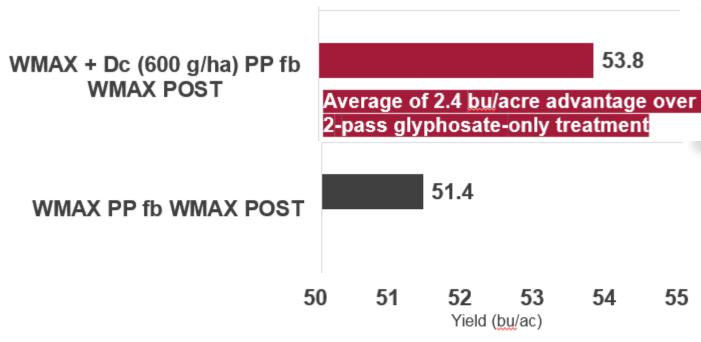
PP = preplant/pre-emerge, WMAX = Roundup WeatherMAX® (900 g ae/ha = 0.67 L/ac), Dc=Dicamba (DGA Salt) (600 g ai/ha is equivalent to 0.7 L/ac XtendiMax® with VaporGrip® Technology)
The % Control Ratings shown are the average of all the ratings in all the trials (n = 91) (BL weeds: CHEAL-34, AMARE-17, AMBEL-13, ABUTH-8, POLCO-8, SOLPT-7, POLPE-3, KCHSC-1)
The photos above show higher control levels than the average ratings

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INCREASE IN YIELD POTENTIAL FROM EARLY SEASON WEED REMOVAL

Early weed removal & short-term soil residual weed control provides increased yield potential in Roundup Ready 2 Xtend® Soybeans





Bayer Canada Market Development, Simcoe, ON. 2008

PP = preplant/pre-emerge, WMAX = Roundup WeatherMAX® at 900 g/ha (0.67 L/ac), Dc=Dicamba (DGA salt), POST = post emerge at 3rd trifoliate 600 g/ha is equivalent to 0.7 L/ac XtendiMax® with VaporGrip® Technology

Source: Bayer Canada MD research trials, 2008 – 2014 (n=39)

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WEEDS CONTROLLED BY ROUNDUP XTEND® HERBICIDE WITH VAPORGRIP® TECHNOLOGY (OR TANK MIX OF ROUNDUP WEATHERMAX® HERBICIDE & XTENDIMAX® HERBICIDE WITH VAPORGRIP® TECHNOLOGY) – East

- annual blue grass
- annual sow thistle
- barnyard grass
- biennial wormwood
- bur cucumber
- Canada fleabane
- Canada thistle
- chickweed
- cleavers
- cocklebur
- common lambsquarters
- Common, false & giant ragweed
- corn spurry
- cow cockle
- crabgrass (smooth, large)
- dandelion

- · downy brome
- Eastern black nightshade
- · fall panicum
- flixweed
- green and yellow foxtail
- · green smartweed
- hempnettle
- · kochia
- ladysthumb
- mustard (hare's ear, Indian, tumble, wormseed)
- · narrow leaved hawk's beard
- night flowering catchfly
- · Pennsylvania smartweed
- · perennial sow-thistle
- Persian darnel
- prickly lettuce
- quackgrass
- redroot pigweed

- round-leaved mallow
- Russian pigweed
- Russian thistle
- shepherd's-purse
- smooth pigweed
- stinkweed
- stork's bill
- velvetleaf
- Narrowleaf vetch
- · volunteer adzuki beans
- · volunteer barley
- volunteer canola (non-glyphosate-tolerant)
- volunteer flax
- · volunteer wheat
- wild buckwheat
- wild mustard
- wild oats
- wild proso millet
- · wild tomato



WEEDS CONTROLLED BY ROUNDUP XTEND® HERBICIDE WITH VAPORGRIP® TECHNOLOGY (OR TANK MIX OF ROUNDUP WEATHERMAX® HERBICIDE & XTENDIMAX® HERBICIDE WITH VAPORGRIP® TECHNOLOGY) – West

- annual blue grass
- · annual sow thistle
- barnyard grass
- biennial wormwood
- bur cucumber
- Canada fleabane
- Canada thistle
- chickweed
- cleavers
- cocklebur
- common lambsquarters
- Common, false and giant ragweed
- · corn spurry
- · cow cockle
- crabgrass (smooth, large)
- dandelion
- downy brome

- eastern black nightshade
- fall panicum
- flixweed
- green and yellow foxtail
- · green smartweed
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- redroot pigweed

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- round-leaved mallow
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- shepherd's-purse
- smooth pigweed
- stinkweed
- stork's bill
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- Narrowleaf vetch
- volunteer adzuki beans
- volunteer barley
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- volunteer flax
- · volunteer wheat
- wild buckwheat
- wild mustard
- wild oats
- · wild proso millet
- wild tomato



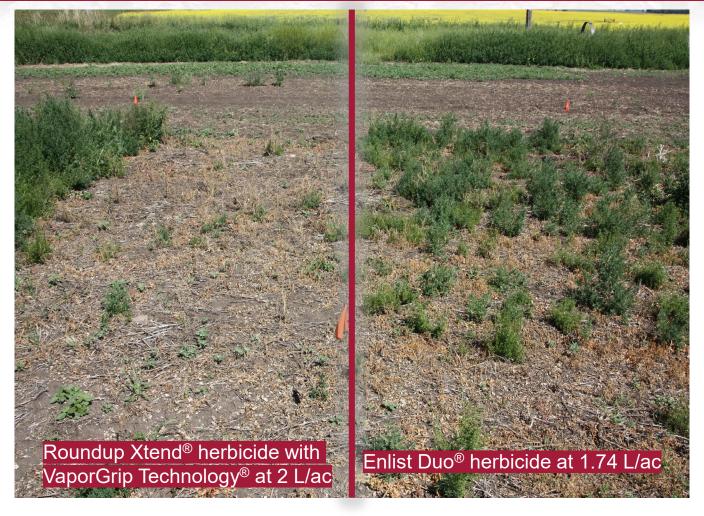
ROUNDUP XTEND® HERBICIDE WITH VAPORGRIP® TECHNOLOGY vs. ENLIST DUO® HERBICIDE FOR RESIDUAL WEED CONTROL



Residual control of lambsquarters, purselane and Redroot pigweed 44 days after application. Source: Bayer Canada Market Development 2018, Coteau-du-Lac, QC.



ROUNDUP XTEND® HERBICIDE WITH VAPORGRIP® TECHNOLOGY vs. ENLIST DUO® HERBICIDE FOR RESIDUAL WEED CONTROL



Residual control of glyphosate-resistant kochia at 37 days after application.

Source: Bayer Canada Market Development, Carseland, AB. 2018

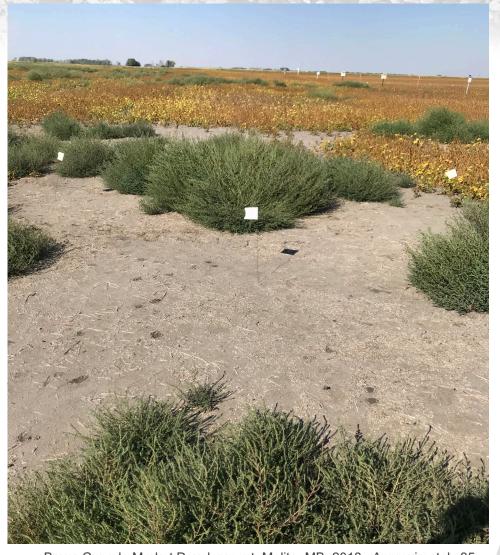


HELPS CONTROL GLYPHOSATE RESISTANT KOCHIA

Glyphosate Resistant Kochia Control:

Roundup Xtend® herbicide with VaporGrip® Technology OR XtendiMax® herbicide with VaporGrip® Technology + Roundup WeatherMAX® herbicide or Roundup Transorb® HC herbicide plus one of the following (applied PP/PRE):

- Valtera[®]
- Fierce®
- Heat[®]
- Authority® 480



Bayer Canada Market Development, Melita, MB. 2018. Approximately 85 DAT of 2 L/ac Roundup Xtend.



HELPS CONTROL GLYPHOSATE RESISTANT WATERHEMP*

*As part of a 2-pass system with a full PRE-treatment option followed by Roundup Xtend® herbicide with VaporGrip® Technology early post at the 2 L/ac rate.



Untreated Check



Fierce® (flumioxazin + pyroxasulfone) PRE Roundup Xtend® with VaporGrip® Technology POST



HELPS CONTROL GLYPHOSATE RESISTANT CANADA FLEABANE



Roundup Xtend® with VaporGrip® Technology (2 L/ac) plus Integrity® (150 mL/acre) – 29 DAT

Glyphosate Resistant Canada Fleabane Control:

Roundup Xtend® herbicide with VaporGrip® Technology OR XtendiMax® herbicide with VaporGrip® Technology + Roundup WeatherMAX® herbicide or Roundup Transorb® HC herbicide plus one of the following (applied PP/PRE):

- BlackHawk[®]
- Bifecta[™]
- Fierce[®]
- Eragon[®]
- Integrity[®]



HELPS CONTROL GLYPHOSATE RESISTANT GIANT RAGWEED



0.67 L/ac Roundup WeatherMAX® herbicide PRE



0.67 L/ac Roundup WeatherMAX® herbicide & Dicamba 600 g/ha PRE



CONSIDERATIONS FOR VOLUNTEER CANOLA CONTROL

	Scenario	Pre-Seed Base Treatment	Pre-Seed Tank Mix Partner	In-Crop (up to V3 Soybeans)	
follo		Roundup Xtend [®] herbicide with VaporGrip [®] Technology	Express® SG (6 g/ac)		
	High pressure	(2 L/ac)	Valtera [™] (56 to 85 g/ac)		
	situations following canola	XtendiMax [®] herbicide with VaporGrip [®] Technology	Express® SG (6 g/ac)		
		(0.7 L/ac) + Roundup WeatherMAX® herbicide (0.67 – 1.33 L/ac)	Valtera [™] (56 to 85 g/ac)	DAVAI TM 80SL (100 mL/ac) + Roundup WeatherMax [®] (0.67 L/ac)	
	Low pressure situations ollowing crops her than canola	Roundup Xtend [®] with VaporGrip [®] Technology (2 L/ac)			
		XtendiMax [®] with VaporGrip [®] Technology (0.7 L/ac) + Roundup WeatherMAX [®] (0.67 – 1.33 L/ac)			



CONSIDERATIONS FOR VOLUNTEER CANOLA CONTROL

- For high pressure situations following canola:
 - PRE-SEED:

Express[®] SG (6 g/ac) or Valtera[™] (56 to 85 g/ac) + Roundup Xtend[®] with VaporGrip[®] Technology at (2 L/ac)

<u>OR</u>

Express[®] SG (6 g/ac) or Valtera[™] (56 to 85 g/ac) + XtendiMax[®] with VaporGrip[®] Technology (0.7 L/ac) + Roundup WeatherMAX[®] (0.67 to 1.33 L/ac)

- POST (up to V3 stage):
 - DAVAI[™] 80SL (100 mL/ac) + Roundup WeatherMAX[®] (0.67 L/ac)
- For low pressure situations following crops other than canola:
 - PRE-SEED:

Roundup Xtend® with VaporGrip® Technology (2 L/ac)

<u>OR</u>

XtendiMax® with VaporGrip® Technology (0.7 L/ac) + Roundup WeatherMAX® (0.67 to 1.33 L/ac)

POST (up to V3 stage):

DAVAI[™] 80SL (100 mL/ac) + Roundup WeatherMAX[®] (0.67 L/ac)



EXAMPLE ROTATION MANAGING KEY HERBICIDE RESISTANT WEEDS

** KEY DRIVER WEEDS

GR 1 Resistant WILD OATS; GR 9 Resistant KOCHIA 4 Year Western Canada Crop Rotation

Sustainable Weed Management, Volunteer Canola Control, and Pre-Seed strategies



end [®] with + Fierce [®] /
veed removal
Viper®
llent crop
eased seeding
veness. Weed
КО
i

Goal: at least 2 effective MOA on each driver weed per season: Sustainability, vol. management and herbicide resistance management



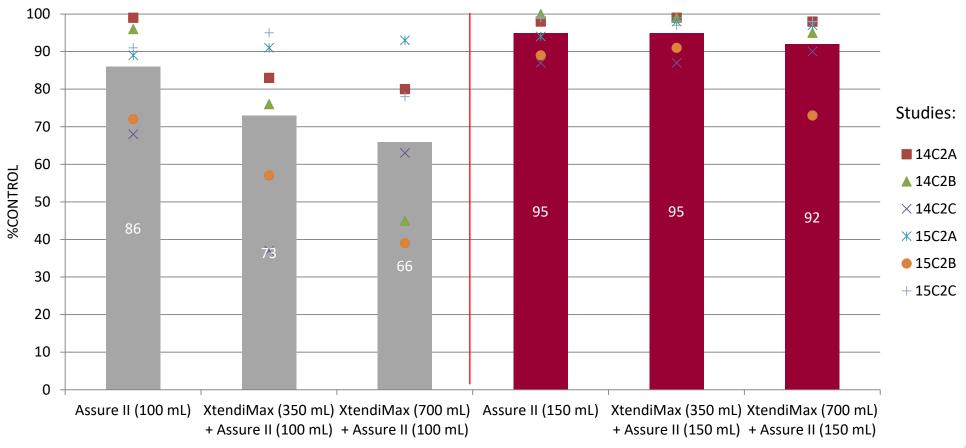


CONSIDERATIONS FOR VOLUNTEER CORN CONTROL

- Bayer Canada and University of Guelph established trials in 2014-2015 to evaluate control of volunteer corn with XtendiMax[®] herbicide with VaporGrip[®] Technology plus either Assure[®] II (quizalofop-p-ethyl) or Select[®] (clethodim), both group 1 herbicides.
- XtendiMax[®] with VaporGrip[®] Technology can antagonize volunteer corn control with group 1 herbicides.
- It is NOT recommended to tank mix Xtendimax® with VaporGrip® Technology or Roundup Xtend® with VaporGrip® Technology with a group 1 to control volunteer corn since typical timing for volunteer corn control is late post emerge in soybeans during the last herbicide application.



VOLUNTEER CORN CONTROL USING XTENDIMAX® HERBICIDE WITH VAPORGRIP® TECHNOLOGY + ASSURE® II



Bayer Canada Market Development and University of Guelph (2014-2015), Ridgetown, Woodstock and Exeter ON, N=6 Herbicide rates reported in mL/acre Roundup WeatherMAX® included with all treatments at 0.67 L/acre



KEY APPLICATION REQUIREMENTS



 Use only spray nozzles that produce extremely coarse to ultra-course spray qualities (preferably Ultra Coarse)



Triple rinse clean-out is required with an ammonia-based tank cleaner



 Do not apply this product during a temperature inversion ("dead calm" conditions) as the off-target movement potential is high. In general, temperature inversions are more likely during nighttime hours.



KEY RECOMMENDATIONS FOR SUCCESS WITH THE ROUNDUP READY® XTEND CROP SYSTEM







- Apply the <u>high</u> label rate of Roundup Xtend[®] herbicide with VaporGrip[®] Technology <u>or</u> XtendiMax[®] herbicide with VaporGrip[®] Technology along with Roundup WeatherMAX[®] herbicide as part of the <u>first herbicide application</u> in the field
- Use Ultra Coarse (UC) spray quality and follow the application requirements: it is important to maintain proper operating pressure to maintain adequate pattern and droplet size
- Include an additional effective site of action when targeting glyphosate-resistant weeds for effective weed control and proper herbicide stewardship.
- For complete application requirements read and follow product labels on Traits.Bayer.ca



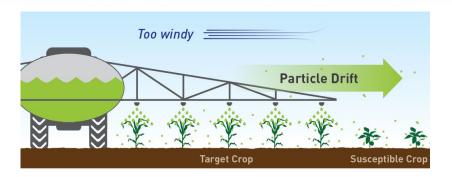
APPLICATION REQUIREMENTS: WHAT YOU NEED TO KNOW



THERE ARE THREE DIFFERENT TYPES OF OFF-TARGET MOVEMENT

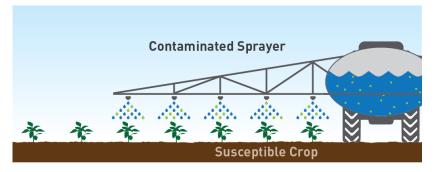
Physical Drift

Physical movement of spray particles
 DURING application. Most common and
 significant type of off-target movement for
 any herbicide



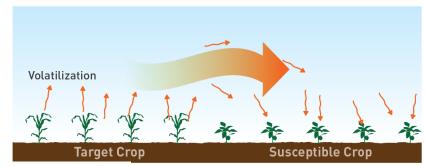
Sprayer Contamination

• Off-target movement from herbicide residue remaining in sprayer components



Volatility

 Movement of a herbicide in a volatilized form as a gas or vapor AFTER spray application. Least frequent type of offtarget movement





SPRAYER SET-UP

- The best way to reduce spray drift potential is to apply coarser spray qualities that provide sufficient coverage and weed control
 - Use only spray nozzles that produce EXTREMELY COARSE (XC) TO ULTRA COARSE (UC) SPRAY QUALITIES
 - Adjust pressure to maintain XC to UC spray qualities and do not exceed the nozzle manufacturers recommended pressures
 - Nozzle selection and pressure combined determine droplet size and percentage of driftable fines (<141 microns)
- Bayer Canada suggests the Turbo TeeJet® Induction (TTI) nozzle or other nozzles/spray systems that meet XC to UC spray qualities



PHYSICAL DRIFT CAN CAUSE BROAD UNIFORM SYMPTOMOLOGY

Bayer Deposition Trials Predict Effects from Off-Label Nozzle Selection & Boom Height

	DROPLETS DISTANCE		ANCE	DRIFTABLE FINES	NOZZLES	NOZZLES	
	Category	Microns	Boom Ht. 20"	Boom Ht. 50	% Fines	Туре	Туре
	UC Ultra-Coarse	> 622	50 ft.	90 ft.	< 1.5%	Turbo Ties Jet- Induction	Turbo Tee-Jet [®] Induction (TTI)
	XC Extremely Coarse	428-62 2	69 ft.	138 ft.	1.5-3.3%	AJTT JSO Tee-Jet* Hypro Ultra Lo-Oriff* AJ Yee-Jet* Ai Tee-Jet* Air Induction (20%)	Hypro Ultra Low-Drift, UR & DR Wilger®, AI/AIC Tee-Jet®
Approved	VC* Very Coarse	349-428	108 ft.	207 ft.	3.4-5.6%	AIXR Too.Jut* DR Wilger AirMix. Greenledf TOXL Creenledf AI/AIC Too.Jut*	Air Bubble Jet, AIXR Tee-Jet®, DR Wilger®, Airmix Greenleaf, TDXL Greenleaf, AI/AIC Tee- Jet®
Not	M Medium Coarse	177-218	358 ft.	544 ft	11.7-22.3%	XR T00-J01*	XR Tee-Jet [®]

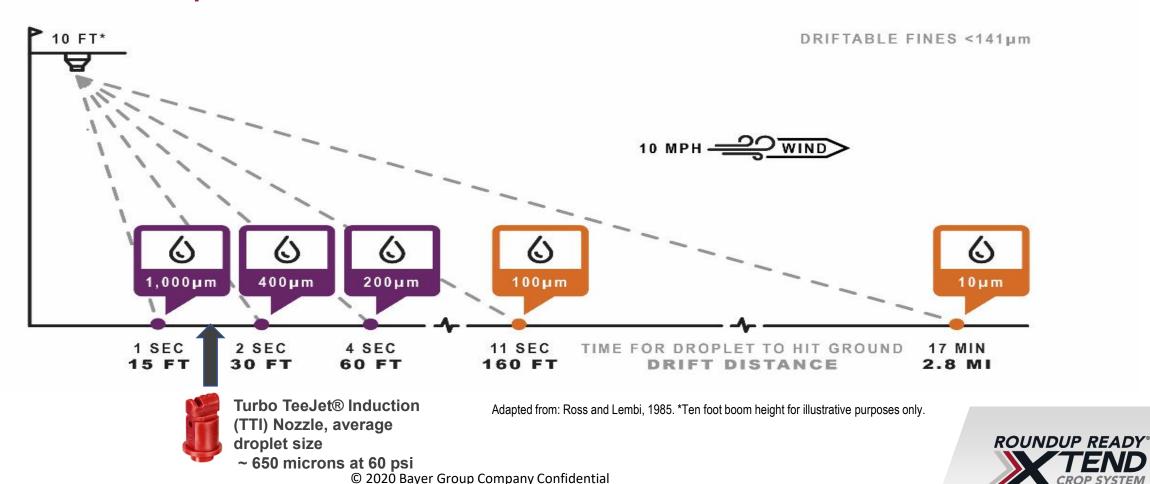


Not

Approved

CONTROL THE CONTROLLABLE

Effect of droplet size over fall of 10 feet



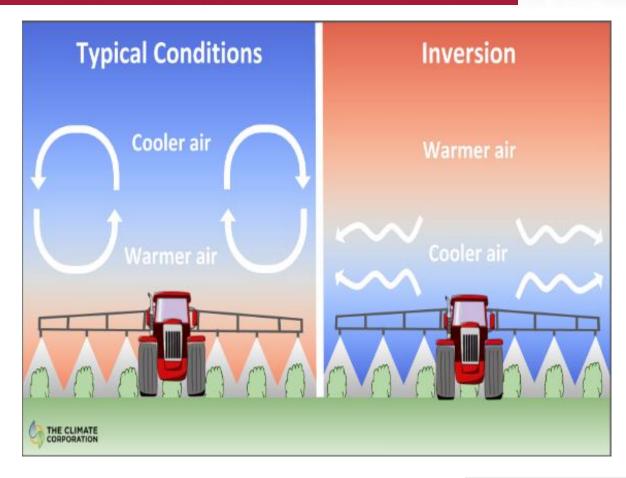
DEMONSTRATION ON IMPORTANCE OF PROPER NOZZLES

Nozzle Tip Impact on Drift **APPLICATION PARAMETERS** 14 DAT | 15GPA | 40 PSI **BOOMHEIGHT 24 INCHES** 2018 MONMOUTH, IL 400 FI **VISIBLE CROP** SYMPTOMOLOGY DIRECTION OF TRAVEL DURING APPLICATION 11004 (ULTRA COARSE)



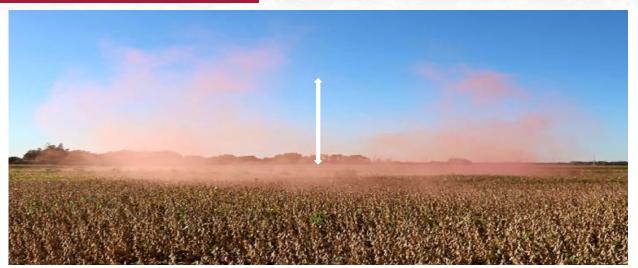
TEMPERATURE INVERSIONS A LAYER OF COOL AIR TRAPPED BELOW A LAYER OF WARMER AIR

- During a temperature inversion, the atmosphere is very stable and vertical air mixing is restricted, which can cause small, suspended droplets to remain in a concentrated cloud which can move in unpredictable directions due to light wind.
- The inversion will typically dissipate with increased winds (>4.8 km/h) or at sunrise when the surface air begins to warm (~1.6°C from morning low)
- Symptoms of an inversion can include:
 - 'Dead calm' wind conditions
 - Ground fog in low-lying areas
 - Dew or frost present





WHICH IMAGE DEMONSTRATES A TEMPERATURE INVERSION?



VERTICAL MIXING OF AIR

Smoke test demonstration in 6-13 km/h winds at 11:00 a.m. (Nebraska)



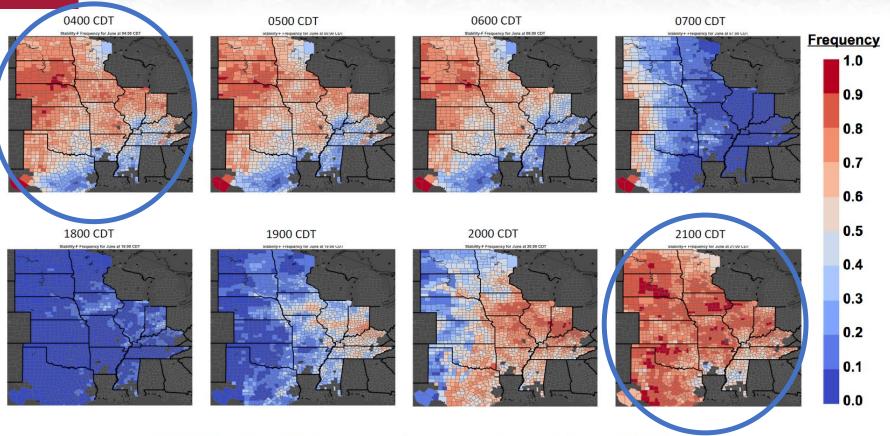
INVERSION LAYER NEAR SURFACE

Smoke test demonstration in < 1.6 km/h winds at 7:15 a.m. (Nebraska)



TEMPERATURE INVERSIONS – CONSISTENT & PREDICTABLE

Temperature inversions are common especially during night time hours



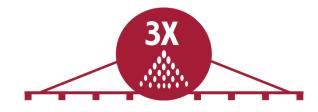
Stability Class-F Frequency for a given hour in June, 2017



SPRAYER SYSTEM CLEAN-OUT

Triple-Rinse Clean-Out is Required

- Properly and thoroughly clean spray equipment before & immediately after spraying dicamba per label instructions:
 - Use triple-rinse method to thoroughly clean entire sprayer system
 - Triple-rinse is the most effective practice to reduce off-target movement from spray contamination of any herbicide
 - Use a commercial based tank cleaner as part of the triple-rinse cleanout
- Sprayer parts can trap herbicide, and additives and surfactants can cling to surfaces
- Other contamination sources to be considered include nurse tanks, inductors, hoses, and connections at mixing sites





SINGLE RINSE WITH WATER OVER SENSITIVE SOYBEANS

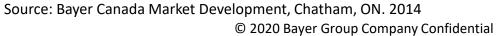


Source: Bayer Canada Market Development, Chatham. ON. 2014 © 2020 Bayer Group Company Confidential



SECOND RINSE WITH WATER OVER SENSITIVE SOYBEANS (AFTER USING A COMMERCIAL CLEANER)







THIRD RINSE WITH WATER OVER SENSITIVE SOYBEANS



Source: Bayer Canada Market Development, Chatham, ON. 2014 © 2020 Bayer Group Company Confidential



ADDITIVES AND TANK MIXTURES

• DO NOT USE the following products with Roundup Xtend® herbicide with VaporGrip® Technology or XtendiMax® herbicide with VaporGrip® Technology:

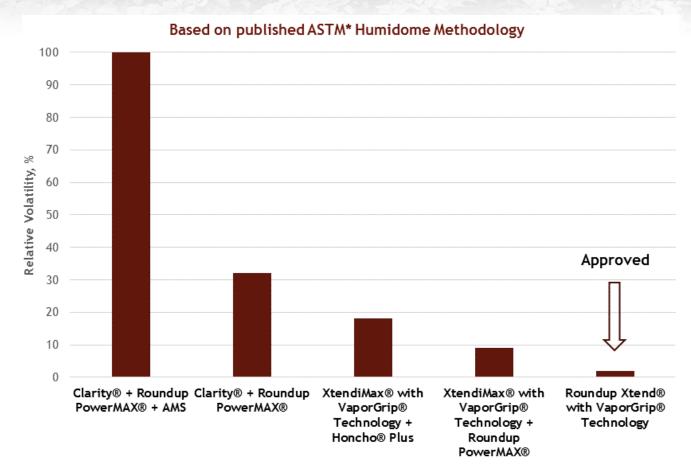


- Ammonium Sulfate (AMS) and AMS-containing adjuvants
- Sprayable fluid fertilizers or fungicides
- ANY water conditioners or buffering agents that acidify the spray solution

The use of AMS or other additives that acidify a dicamba spray solution can increase the potential for volatility



IMPACT OF AMMONIUM SULFATE ON POTENTIAL VOLATILITY



Honcho® Plus herbicide = IPA salt of glyphosate tested Roundup PowerMAX® herbicide = K salt of glyphosate tested

- Older formulations of dicamba are NOT approved for in-crop use in the Roundup Ready[®] Xtend Crop System.
- IPA glyphosate salts and Ammonium Sulfate (AMS) are NOT approved tank mixes with XtendiMax® herbicide with VaporGrip® Technology
- Utilizing Roundup Ready[®] branded products ensures compatibility and lowest potential for off target movement



Clarity® herbicide is a U.S. dicamba herbicide product. It is registered in Canada as Banvel® II.

Roundup PowerMAX is not approved for use in Canada. Monsanto Company St. Louis MO, 2017.

*ASTM is the American Society for Testing and Materials © 2020 Bayer Group Company Confidential

OTHER ADDITIVES AND TANK MIXTURES

- A drift reduction additive (DRA) can reduce driftable fines but is not required
 - Not all DRAs are compatible with every nozzle and pesticide/adjuvant combination
 - DRAs can create a thicker spray solution making sprayer cleanout more difficult.
 - Increased water volume is recommended if using a DRA to maintain coverage; use at least 15 GPA.
 - Need to operate in mid to upper pressure range of nozzle to maintain pattern
 - A DRA is NOT a substitute for upgrading to the proper nozzle.
- A quality non-ionic surfacant (NIS) of at least 70% active may be added at 0.25% v/v
- Bayer Canada always recommends the addition of Roundup WeatherMAX® herbicide or Roundup Transorb® HC herbicide when using XtendiMax® herbicide with VaporGrip® Technology to improve overall weed control.



OTHER KEY CONSIDERATIONS

- Confirm proper herbicide resistant trait technology is in the field (Roundup Ready 2 Xtend® Soybeans)
- Application awareness
 - Survey the application site for neighboring sensitive crops

 (e.g. non-glyphosate and dicamba tolerant soybean, tomatoes, potatoes, grapes, peas, fruit trees, flowers and other broadleaf plants)
 - Talk and coordinate with neighbors where possible
- Apply to small actively growing weeds (<10 cm or 4" tall)
 - Early applications help protect yield potential
 - Smaller weeds are easier to control than big weeds
- It is recommended that speed is reduced at field edges if the applicator can maintain the required nozzle pressure and ensure proper boom height
- It is recommended to keep detailed application records including date & time of application, wind speed & direction, nozzle type, spray pressure & volume, sprayer speed, crop stage, etc.

KEY WEATHER CONDITIONS TO CONSIDER

- DO NOT APPLY when weather conditions may cause drift to sensitive crops (e.g. gusty wind toward adjacent sensitive areas or crops; ex non-Roundup Ready 2 Xtend® Soybeans)
 - Apply when wind is blowing away from sensitive areas or crops
- Avoid applications when the temperature is expected to exceed 30°C
- DO NOT APPLY during a <u>Temperature Inversion</u> as <u>potential for Off</u> <u>Target Movement increases</u>
 - Dead Calm conditions indicate a potential temperature inversion
 - Application during daylight hours is recommended



APPLICATION REQUIREMENTS



NOZZLES

Use nozzles and operating pressures that produce extremely coarse to ultra-coarse droplets to minimize drift



WIND SPEED

Optimal wind speeds for application typically occur between 5 and 15 km/h



WATER VOLUME

Minimum carrier volume is 10 GPA (15 GPA is recommended when using a DRA)



BOOM HEIGHT

Maintain boom height 50 cm above crop canopy to reduce the risk of drift



LABEL BUFFER

Maintain the required label buffer to protect sensitive areas



AMMONIUM SULFATE

Ammonium sulfate and ammonium-based additives are restricted in applications



WEED HEIGHT

Spray weeds less than 10 cm tall



GROUND SPEEDS

Make sure ground speed is less than 25 km/h



TRIPLE RINSE

Use triple rinse tank clean-out procedure



SUMMARY OF KEY LABEL APPLICATION REQUIREMENTS

- Use nozzle and spray pressure combinations that produce Extremely Coarse to Ultra Coarse Droplets and minimize driftable fines
- Spray early before weeds get large (<10cm)
- Keep boom height ≤ 50 cm from target crop or weed canopy
- Apply when wind speeds are between 5-15 km/h and when wind is blowing away from sensitive areas or crops
- Do not exceed a ground speed of 25 km/h
- Use a minimum of 100 L/ha (10 GPA) of spray solution per acre for optimal performance
 - It is recommended to Increase application volume to 150 L/ha (15 GPA) when targeting large weeds or using a Drift Reduction Additive (DRA)
- Do not apply during a **Temperature Inversion** as **potential for Off Target Movement increases**
 - Application during daylight hours is recommended
- Do not mix with Ammonium Sulfate and other ammonium-based additives
- Use triple rinse clean-out procedure



KEY RECOMMENDATIONS FOR SUCCESS WITH THE ROUNDUP READY® XTEND CROP SYSTEM







- Apply the <u>high</u> label rate of Roundup Xtend[®] herbicide with VaporGrip[®] Technology <u>or</u> XtendiMax[®] herbicide with VaporGrip[®] Technology along with Roundup WeatherMAX[®] herbicide as part of the <u>first herbicide application</u> in the field
- Use Ultra Coarse (UC) spray quality and follow the application requirements: it is important to maintain proper operating pressure to maintain adequate pattern and droplet size
- Include an additional effective site of action when targeting glyphosate-resistant weeds for effective weed control and proper herbicide stewardship.





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Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. 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. Contact your local crop protection dealer or call the technical support line at 1-800-667-4944 for recommended Roundup Ready® Xtend Crop System weed control programs. Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup Transorb®, Roundup WeatherMAX®, Roundup Xtend®, Transorb®, VaporGrip® and XtendiMax® are registered trademarks of Bayer Group, Monsanto Canada ULC licensee. BlackHawk® and Bifecta™ are registered trademarks of Nufarm Agriculture Inc. Fierce® is a registered trademark of Valent U.S.A LLC and Valtera™ is a trademark of Valent U.S.A. LLC. All other trademarks are the property of their respective owners. ©2020 Bayer Group. All rights reserved.

