

DUAL II MAGNUM

APPLICATION SUMMARY SHEET

LABEL DATE: 2016-04-06



TYPE	MODE OF ACTION/ACTIVE INGREDIENT	FORMULATION	PCP#
Herbicide	Group 15/S-metolachlor and R-enantiomer (915 g/L)	EC	25729

RESISTANCE MANAGEMENT/ PLANTING RESTRICTIONS

- Where possible, rotate use of Group 15 herbicides within growing season with different groups, and tank mix multiple groups when such use is permitted.
- Pre-plant surface application (Eastern Canada):
 - Up to 30 days before planting.
 - For minimum and no-till in corn and soybean (not immature soybean seed).
- Pre-plant incorporated (Eastern, Prairies and interior B.C.):
 - See page 6 for incorporation instructions.
- Do not apply to soils <1% or >10% organic matter.
- Winter cereals may be planted 4.5 months following application.
- Beans should be seeded >4 cm deep to prevent crop injury.

ENVIRONMENTAL CONDITIONS

- Apply only when potential for drift to areas of human habitat or activity is minimal.
- Leave a buffer zone of 29 m between last spray swath and wetlands, sloughs, dry slough borders and water bodies.
- Observe most restrictive buffer zone of tank-mix products.

SPRAYER SETTINGS

 CROP	 SPRAY QUALITY	 DISTANCE TO TARGET	 TRAVEL SPEED	 VOLUME	 RATE
corn, soybean, certain beans, potato, sugar/red beet, rutabaga (Eastern Canada), transplant tomato, sweet white lupins, certain fruit trees, certain ornamental/conifer trees, processing peas (Eastern Canada), cruciferous vegetables, field peppers, certain outdoor ornamentals, asparagus, mustard greens, highbush blueberry, strawberry, carrot, sweet potatoes, pear millet, peanut, cucurbit vegetables, eggplant, Asian radish, celery	Not specified (pressure between 200 and 300 kPa)	<60 cm	Select a speed that allows productivity, but does not require boom to be raised above 60 cm.	>150 L/ha	750 g or mL – 1.75 L per ha (see Rates and REI)

NOTES:

- Use 16 mesh suction screens, 50 mesh line and tip screens.

HANDLING SAFETY (PPE)

	 GLOVES	 HAT	 APRON	 COVERALLS	 RESPIRATOR	 PROTECTIVE EYEWEAR	 FOOTWEAR
MIXING/LOADING	chemical resistant	yes	no	no – long sleeved shirt/ long pants	**yes	goggles or face shield	enclosed boots
ENCLOSED CAB	no	no	no	no	no	no	not specified
OPEN CAB	*chemical resistant	yes	no	no – long sleeved shirt/ long pants	no	not specified	not specified
CLEANOUT	not specified	yes	no	no – long sleeved shirt/ long pants	no	not specified	not specified

*Required for application to ornamentals using hand-held equipment.

**Required when ventilation is inadequate.

MIXING

- This product has explicit tank-mix instructions. See crop-specific page references in Rates and REI.
- Ensure sprayer is clean per label recommendations of previously used product.
- Fill tank ½ full and start agitation.
- Add WP or WG tank-mix partner (if applicable). Slurry with water if using liquid fertilizer carrier.
- Add liquid flowable (if applicable).
- Fill tank to 9/10 full and add Dual II Magnum and other EC or tank-mix partners.
- Continue agitation filling remainder of tank. Do not let tank stand without agitation.
- Clean sprayer immediately after use.

NOTES:

- Do not mix with fluid fertilizers, oils, oil concentrates or surfactants when applying post-emerge.
- In corn, nitrogen or complete liquid fertilizers may act as carrier for pre-plant surface, incorporated or pre-emerge.

RATES AND REI

CROP (AND STAGING)	VOLUME	RATE	REI
corn (sweet, seed and popcorn have tank-mix restrictions)	>150 L/ha	1.25-1.75 L/ha p 9-12 and 22 for timing, weeds controlled and tank-mix details	12 h
soybeans, yellow and green snapbeans, lima beans	soybean (inc. immature seed): >150 L/ha dry common: 150 L/ha for pre-plant or pre-emergent, 150-400 L/ha for pre-plant incorporated	1.15-1.75 L/ha p 13-16, 22-23 and 26 for timing, weeds controlled and tank-mix details	12 h
cranberry and kidney beans	>150 L/ha	1.15-1.75 L/ha p 24 for timing, weeds controlled and tank-mix details	12 h

CROP (AND STAGING)	VOLUME	RATE	REI
potatoes (not Superior variety)	>150 L/ha	1.25-1.75 L/ha p 16 for timing, weeds controlled and tank-mix details	12 h
sugar and red beets	red beets: 150L/ha sugar beets: 150-300 L/ha	1.25-1.75 L/ha p 17 and 18-19 for tank-mix details	12 h
rutabagas	>150 L/ha	1.25-1.75 L/ha	12 h
transplanted tomatoes (for processing)	>150 L/ha	1.15-1.75 L/ha p 17 and 21 for tank-mix details	12 h
field tomatoes (fresh market)	150-300 L/ha	1.25-1.75 L/ha p 21 for tank-mix details	12 h
sweet white lupins	200-300 L/ha	1.10-1.75 L/ha p 18 for tank-mix details	12 h
apple, apricot, sweet/sour cherry, peach, plum and pear trees	>150 L/ha	1.25-1.75 L/ha p 19-20 for timing, weeds controlled and tank-mix details	12 h
processing peas	150-250 L/ha	1.25-1.75 L/ha	12 h
>2 year old white, Norway and black spruce, white, jack and red pine, poplar seedbeds	>150 L/ha	1.25-1.75 L/ha p 19-20 and 28 for timing, weeds controlled and tank-mix details	12 h
transplanted cabbage, cauliflower and broccoli	300 L/ha	1.25-1.75 L/ha	12 h
field pepper, eggplant (transplants)	>150 L/ha	1.15-1.75 L/ha	12 h
outdoor ornamentals	150-200 L/ha	1.25-1.75 L/ha	12 h
asparagus	>150 L/ha	1.55-1.75 L/ha	12 h
mustard greens	>150 L/ha	1.2-1.5 L/ha	12 h
highbush blueberry, strawberry	>150 L/ha	1.25-1.75 L/ha	12 h
carrot, Asian radish, celery	150-300 L/ha (150-200 L/ha for celery)	1.2-1.75 L/ha p 30 for timing, weeds controlled and rate/soil specifics	12 h
sweet potato	200-400 L/ha	1.25-1.75 L/ha	12 h
pearl millet	200 L/ha	0.625 L/ha	12 h
peanut	150 L/ha	1.15-1.55 L/ha	12 h
cucurbit	>150 L/ha	banded: 1.5-1.56 L/ha broadcast: 1.15 L/ha	12 h

EQUIPMENT CLEANOUT

STEP 1	STEP 2 (ADJUVANT)	STEP 3	STEP 4	STEP 5
Clean sprayer as soon as possible after spraying.	Not specified	Agitate well, opening all valves and lines. Spray rinsate out of boom.	Second rinse: Repeat Step 3 (preferable to leave soak overnight).	Third rinse: Repeat Step 3.

NOTES:

- Volume of rinsate depends on equipment. Tanks without washdown nozzles must be filled to ensure contact with all tank surfaces.
- ~10% tank volume is required when using wash-down nozzles.
- Dispose of rinsate safely.
- Product contains a petroleum distillate which is moderately toxic to aquatic organisms. Avoid contamination from rinsate.

This document is intended to summarize, not substitute, the full product label. Please read the pesticide label.