

GLYPHOSATE


Broadleaf spectrum systemic knockdown herbicide

ROUNDUP ULTRA® MAX,
WEEDMASTER® ARGO®,
WEEDMASTER® DST®,
WEEDMASTER® DUO

Roundup Ultra Max: 570g/L glyphosate present as the potassium salt; Weedmaster ARGO: 540g/L glyphosate present as the potassium and isopropylamine salts; Weedmaster DST: 470g/L glyphosate present as the potassium and mono-ammonium salts; Weedmaster DUO: 360g/L glyphosate present as the isopropylamine and mono-ammonium salts

Non-selective systemic broad spectrum herbicide.

HERBICIDE SUITABILITY	
WEATHER CONDITIONS	Rainfast after 6 hours. Roundup ultra max and Weedmaster Argo are rainfast after 1 hour. Reduced weed control can result under conditions of slow weed growth, those being cold or overcast conditions. For best results Delta T should be below eight.
TARGET WEED CONDITIONS	Apply to actively growing weeds with good soil moisture. Avoid spraying if weeds are stressed from waterlogging, low moisture, frost, insect damage or disease. Do not spray weeds covered with dust. Seedling weeds are easily controlled when small. Perennial weeds should be sprayed just prior to flowering. For ratoon spray out, apply to actively growing plants 60–120cm high. Nugrass should be at least 6 to 8-leaf stage but preferably when at least 20% have reached the head stage. Do not disturb weeds by cultivation for 6 hours of daylight following treatment of annual weeds and 7 days for perennial weeds.
VARIETY SUSCEPTIBILITY	All varieties are susceptible. Do not allow spray drift to contact any part of the crop.
WITHOLDING PERIOD	Not required when used as directed.
RISK TO OTHER CROPS	Avoid drift onto non-target areas/crops. Do not apply by air in situations where drift onto sensitive crops is likely to occur. Do not apply when wind speed is less than 3 or more than 20km/h. Plantback period – nil.
ENVIRONMENTAL RISK	Immobile in soil. Do not contaminate aquatic areas and susceptible plants. Roundup Biactive and Weedmaster DUO are registered formulations for spraying weeds in, on and over water.
HERBICIDE RESISTANCE	Moderate risk (Group M).

WEEDMASTER ARGO	
SIGNAL HEADING	WARNING
PICTOGRAM	
HAZARD STATEMENT	H319 Causes serious eye irritation. H315 Causes skin irritation.

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ROUNDUP ULTRA MAX, WEEDMASTER ARGO, WEEDMASTER DST, WEEDMASTER DUO	
FORMULATION	Soluble liquid.
WATER QUALITY	Avoid water with high levels of bicarbonates ions (i.e. hard water) or add Liase to tank first. Read the label for the specific product used, as surfactant packages differ widely. Avoid saline water. Avoid muddy water. Avoid highly alkaline water.
APPLICATION EQUIPMENT	Roundup Ultra Max, Weedmaster ARGO are approved for inter-row spraying, using either spray shields/hoods or non-shielded dual sprayer. Boom, handgun are preferred for other situations. Coarse to very coarse spray quality is recommended. Do not use galvanized or unlined steel spray tanks.

APPLICATION RATES					
PRODUCT	ACTIVE CONCENTRATION	PRODUCT AND RATE/HA	INDICATIVE COST/HA (GST INCLUSIVE)	WATER RATE L/HA	COMMENTS
ROUNDUP ULTRA MAX	570g/L	1100–4700mL	\$10–\$42	80L or less	In-crop inter-row application – use a shielded/hooded sprayer or correctly set-up non-shielded sprayer (see note below). Do not apply more than 3 applications or more than 11,400mL/ha per crop.
		425–1900mL	\$4–\$17		In fallow.
		3800–5700mL	\$34–\$51		Ratoon spray-out.
Weedmaster ARGO	540g/L	1200–5000mL	\$10–\$43		In-crop inter-row application – use a shielded sprayer or correctly set-up non-shielded sprayer (see note below). Do not apply more than 3 applications or more than 12,000mL/ha per crop.
		340–2000mL	\$3–\$17		In fallow.
		4000–6000mL	\$34–\$52		Ratoon spray-out.
WEEDMASTER DST	470g/L	380–2300mL	\$3–\$17	In fallow.	
		4600–6900mL	\$33–\$50	Ratoon spray-out.	
Weedmaster DUO	360g/L	500–9000mL	\$4–\$78	75–100L	For fallow.
		6000–9000mL	\$52–\$78	75–200L	Ratoon spray-out.

Do not mix with atrazine for control of barnyard grass or liverseed grass. Adding Liase to tank mix with atrazine may enhance knockdown weed control.

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NUTGRASS APPLICATION RATES						
PRODUCT	ACTIVE CONCENTRATION	RATE/HA	CROP SITUATION	INDICATIVE COST/HA (GST INCLUSIVE)	WATER RATE L/HA	COMMENTS
ROUNDUP ULTRA MAX	570g/L	1900mL followed by 1900mL	fallow	\$17 x 2	80L	Allow for maximum re-emergence before retreating. Follow label recommendations for surfactants. Use a spray shield/hood for inter-row spraying, or correctly set-up non-shielded sprayer (see note below).
Weedmaster ARGO	540g/L	2000mL followed by 2000mL		\$17 x 2		
Weedmaster DST	470g/L	2300mL followed by 2300mL		\$17 x 2	80L	
Weedmaster DUO	360g/L	3000mL followed by 3000mL		\$26 x 2	75–200L	
ROUNDUP ULTRA MAX	570g/L	1100–4700mL	in-crop inter-row	\$10–\$42	80L or less	
Weedmaster ARGO	540g/L	1200–5000mL				

Note: APVMA Permit number PER14648 allows for the use of a correctly set-up non-shielded sprayer (e.g. dual sprayer designed by DAF) for inter-row spraying of glyphosate herbicides registered for inter-row spraying in sugarcane. This permit applies to all herbicides containing 360 to 570g/L glyphosate as their only active constituent.