

# 2,4-D

## Broadleaf systemic knockdown herbicide

AMICIDE® ADVANCE 700,  
AMINE 625,  
2,4-D LV ESTER 680

**Amicide Advance 700 – 2,4-D 700g/L**  
present as the dimethylamine and monomethylamine salts


**Amine 625, – 2,4-D 625g/L**  
present as the dimethylamine and diethanolamine salts

**2,4-D LV Ester 680 – 2,4-D 680g/L**  
present as the 2-ethylhexyl ester

Selective systemic herbicide for post-emergent control of broadleaf including ipomea vines, convolvulus vines, jute, fleabanes, bluetop and cobblers pegs.

HERBICIDE SUITABILITY	
WEATHER CONDITIONS	Rainfast after 6 hours. Do not use unless wind speed is more than 3km/h and less than 15km/h measured at boom height at the application site and during time of application. For best results Delta T should be below eight. Do not apply if there are surface temperature inversion conditions present at the application site during the time of application.
TARGET WEED CONDITIONS	Apply to actively growing weeds with good soil moisture – do not apply to weeds that are stressed due to dry or excessively moist conditions. Seedling weeds are easily controlled when small. Perennial weeds should be sprayed just prior to flowering. High rates may cause rapid leaf drop. Tank mix with atrazine or fluroxypyr (Comet, etc) to improve knockdown of large harder to kill weeds and vines. The addition of Activator surfactant can also improve results on larger harder to kill weeds.
VARIETY SUSCEPTIBILITY	Refer to QCANSelect™ for variety sensitivity information or consult the SRA regional variety guides.
WITHHOLDING PERIOD	Do not cut for stock food for 7 days.
RISK TO OTHER CROPS	<b>Avoid drift onto non-target areas/crops.</b> Check new buffer zone restrictions on page 58. 2,4-D amines are water-based products. They will not vaporise and drift. However, physical drift due to high winds, small droplets or thermal inversions is possible. 2,4-D LV Ester is a low volatile formulation. Do not spray near crops such as bananas, vegetable crops, fruit trees, legume pastures and crops, and susceptible trees.
PLANT BACK PERIOD	Soybeans: 14 to 21 days. Chickpeas: 7 to 21 days*. Rice: 7 to 14 days. *Planting must be delayed for at least 14 days following rainfall of at least 15mm.
ENVIRONMENTAL RISK	Short persistence in the soil. Low hazard to bees. Do not contaminate streams, rivers or waterways. Do not apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Check new buffer zone restrictions on page 58.
HERBICIDE RESISTANCE	Moderate risk (Group I).

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AMICIDE ADVANCE 700	
SIGNAL HEADING	DANGER
PICTOGRAM	
HAZARD STATEMENT	<p><b>H318</b> Causes serious eye damage.</p> <p><b>H302</b> Harmful if swallowed.</p> <p><b>H317</b> May cause an allergic skin reaction.</p>

AMICIDE ADVANCE 700, AMINE 625, 2,4-D LV ESTER 680	
FORMULATION	<p><b>Amicide Advance 700:</b> Soluble liquid.</p> <p><b>Amine 625:</b> Soluble liquid.</p> <p><b>2,4-D LV Ester:</b> Soluble liquid</p>
WATER QUALITY	If mixing with glyphosate: Hard water/water high in bicarbonates—add Liase (add Liase to tank first) or crystalline ammonium sulfate (ensure product is fully dissolved before adding 2,4-D). High pH : add Li700.
APPLICATION EQUIPMENT	<p>Boom, aerial, handgun.</p> <p>Nozzles producing droplets no smaller than the VERY COARSE spray quality category are required for Amicide Advance 700 and COARSE to VERY COARSE for 2,4-D LV Ester and Amine 625 under new legislation.</p>

APPLICATION RATES				
PRODUCT	ACTIVE CONCENTRATION	PRODUCT/HA & ADJUVANT RATE	INDICATIVE COST/HA (GST INCLUSIVE)	WATER RATE L/HA
AMICIDE ADVANCE 700	700g/L	1600–3100mL + Activator surfactant (60–120mL/100L water)	\$12–\$24	50–250L
AMINE 625	625g/L	1800–3500mL + Wetspray 600 surfactant (170mL/100L)	\$13–\$25	30–120L
2,4-D LV Ester 680	680g/L	1150–2400mL	\$11–\$23	30–100L

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**BUFFER ZONES FOR COMMONLY APPLIED 2,4-D FORMULATIONS IN SUGARCANE\***
**GROUND APPLICATION**

CONCENTRATION OF 2,4-D IN PRODUCT	PRODUCT RATE/HA	DOWNWIND MANDATORY NO SPRAY ZONE (M) - GROUND APPLIED OVER THE TOP OF CANE WITH BOOM SPRAYER#	
		AQUATIC	TERRESTRIAL
625g/L (e.g. Nufarm Amine 625, Nufarm Zephyr 625) (excludes DMA salt only formulation)	Up to 1700mL	20	20
	Up to 3500mL	35	35
680g/L (e.g. Nufarm Estercide Xtra 680)	Up to 2400mL	30	40
700g/L (e.g. Amicide Advance 700) (excludes sodium salt formulation)	Up to 1500mL	20	20
	Up to 3100mL	30	30

**AERIAL APPLICATION - LOW APPLICATION RATES, 3 M ABOVE CANOPY AND LOWER APPLICATION HEIGHT**

CONCENTRATION OF 2,4-D IN PRODUCT	PRODUCT RATE/HA	MINIMUM SPRAY DROPLET SIZE	DOWNWIND MANDATORY NO SPRAY ZONE (M)			
			FIXED WING		HELICOPTER	
			AQUATIC	TERRESTRIAL	AQUATIC	TERRESTRIAL
625g/L (e.g. Nufarm Amine 625, Nufarm Zephyr 625) (excludes DMA salt only formulation)	Up to 1700mL	VERY COARSE	95	90	90	85
		EXTREMELY COARSE	70	70	70	65
	Up to 2000mL	VERY COARSE	110	100	95	95
		EXTREMELY COARSE	80	75	75	70
700g/L (e.g. Amicide Advance 700) (excludes sodium salt formulation)	Up to 1500mL	VERY COARSE	95	90	90	85
		EXTREMELY COARSE	70	70	70	65
	Up to 1800mL	VERY COARSE	110	100	95	95
		EXTREMELY COARSE	80	75	75	70

**AERIAL APPLICATION - HIGH APPLICATION RATES IRRESPECTIVE OF SPRAY DROPLET SIZE**

CONCENTRATION OF 2,4-D IN PRODUCT	PRODUCT RATE/HA	APPLICATION HEIGHT ABOVE CANOPY (M)	DOWNWIND MANDATORY NO SPRAY ZONE (M)			
			FIXED WING		HELICOPTER	
			AQUATIC	TERRESTRIAL	AQUATIC	TERRESTRIAL
625g/L (e.g. Nufarm Amine 625, Nufarm Zephyr 625) (excludes DMA salt only formulation)	Up to 3500mL	≤3	180	170	150	140
		>3 to max 5	425	400	250	225
680g/L (e.g. Nufarm Estercide Xtra 680)	Up to 1150mL	≤3	75	110	70	100
		>3 to max 5	140	220	120	160
	Up to 2400mL	≤3	130	250	120	180
		>3 to max 5	300	550	190	300
700g/L (e.g. Amicide Advance 700) (excludes sodium salt formulation)	Up to 3100mL	≤3	170	160	150	140
		>3 to max 5	400	375	250	220

\*Reference: APVMA Special Gazette, Thursday, 30 September 2020

#Refer to page 23 for APVMA clarification that downwind mandatory buffer zones do not apply when applied with under-canopy directed spray systems. APVMA is due to confirm regional time of spraying constraints during 2021