

DROPZONE

TECHNOTE



AUSTRALIAN
THROUGH
& THROUGH

DROPLET OPTIMISATION

MORE DROPLETS ONTO THE TARGET WEED.

An optimised droplet spectrum -
Not too big, Not too small.

UNIQUE FORMULATION OF 500 g/L 2,4-D AMINE

- Faster activity
- Greater efficacy
- Low odour
- Reduced buffer zones.

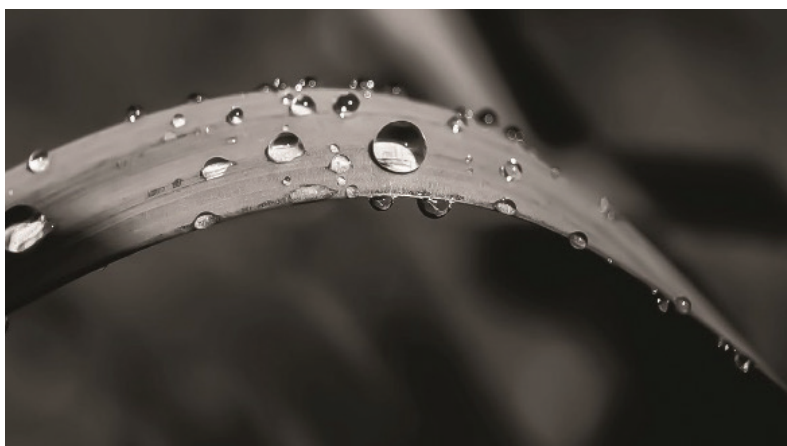


A non-volatile formulation for use in fallow, sugarcane, grass pasture.

The droplet optimisation technology within the formulation of Nufarm DROPZONE has enabled the delivery of a narrow span of droplet size compared with traditional 2,4-D amine formulations, this span reduction is seen in the below data which shows Nufarm DROPZONE reduces the span by 14% when applied as very coarse spray quality.

THE OPTIMAL DROPLET SIZE FOR HERBICIDE APPLICATION IS BETWEEN 150 MICRON (µm) AND 720 µm

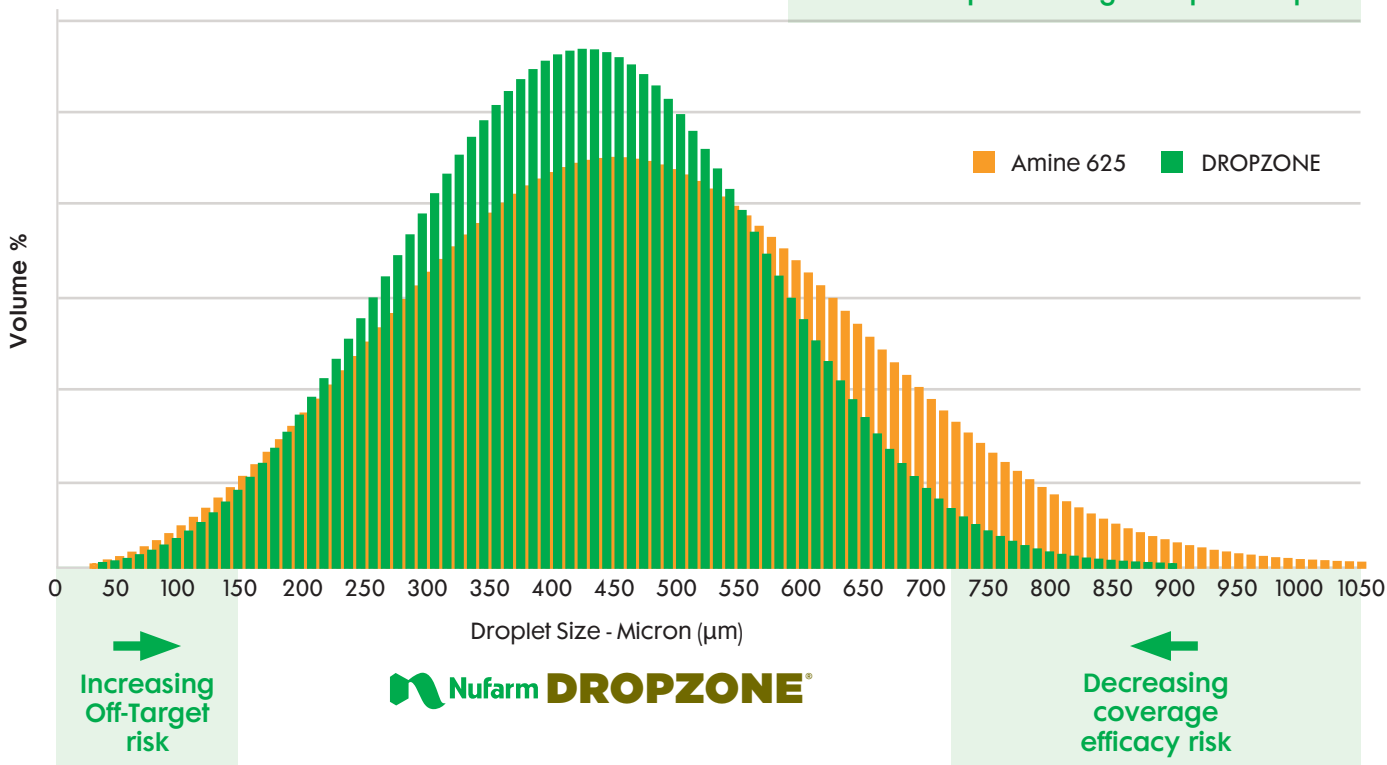
- Droplets less than 150 µm are classified as driftable fines and increase off target risk.
- Droplets greater than 720 µm can reduce efficacy.
 - Droplets too large reduce coverage.
 - Oversize droplets are prone to bounce or runoff from the leaf surface.



Droplet optimisation with Nufarm DROPZONE

Very Coarse spray quality - AIXR11003 at 3 Bar

96% DROPZONE spray volume within the optimal range 150 µm-720 µm





SOME OF THE KEY WEEDS CONTROLLED

Bellvine (*Rhodochiton atrosanguineus*)

Bindy eye/Star burr (*Acanthospermum hispidum*)

Cobbler's pegs (*Bidens pilosa*)

Convolvulus vines

Fleabanes (*Conyza* spp.)

Ipomoea vines

Jute (*Corchorus olitorius*)

Leucas (*Leucas linifolia*)

Morning glory (*Ipomoea* spp)

Needle burr (*Amaranthus spinosus*)

Pink Convolvulus (*Ipomoea triloba*)

Spear thistle (*Cirsium vulgare*)

Star of Bethlehem (*Ipomoea quamoclit*)

Water primrose (*Ludwigia peploides*)

LOW ODOUR

Extensive work went into the development of the Nufarm DROPZONE formulation to ensure the formulation is low odour.

BUFFER ZONE

Nufarm DROPZONE formulation assists in reducing the amount of driftable fines, this has allowed registration of Nufarm DROPZONE to have reduced buffer zones. The reduction of these buffer zones is summarized in the table below, and is compared to Nufarm Amicide Advance 700.

Application rate	Boom Height above target canopy	Natural Aquatic Areas		Vegetation Areas	
		DROPZONE	AMICIDE ADVANCE 700	DROPZONE	AMICIDE ADVANCE 700
Up to 700 mL/ha (AMICIDE ADVANCE 700 Up to 500 mL/ha)	0.5 m or lower	Not required	Not required	Not required	Not required
	1.0 m or lower	25	30	25	30
Up to 1.37 L/ha (AMICIDE ADVANCE 700 Up to 1L/ha)	0.5 m or lower	5	20	5	15
	1.0 m or lower	40	45	35	45



COMPATIBILITY

Nufarm DROPZONE is physically compatible with: Nufarm CRUCIAL, Nufarm Glyphosate 450, Nufarm weedmaster DST, Nufarm weedmaster ARGO, Nufarm weedmaster DUO, Nufarm Kamba 750, Fluroxypyr 400 products, Starane Advanced, Terrad'or, Shirquat, Trooper 75D, Diurex, Atradox.

Consult Nufarm DROPZONE label for minimum water rate and mixing order.

APPLICATION

Nufarm DROPZONE must be applied with a spray quality not smaller than VERY COARSE as per 2,4-D labelling requirements.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application.



The information and recommendations set out in this brochure are no substitute for professional or expert advice and are based on tests and data believed to be reliable at the time of publication. Results may vary, as the use and application of the products is beyond our control and may be subject to climatic, geographical or biological variables, and/or developed resistance. To the maximum extent permitted by law, Nufarm Australia Limited disclaims all warranties of any kind, whether express or implied, including but not limited to any warranty that the information is up-to-date, complete, true, legally compliant, accurate, non-misleading or suitable.

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For more information, contact your local Nufarm Business Development Manager

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 **Nufarm DROPZONE®**