

**DROPZONE**

**TECHNOTE**

# AUSTRALIA'S MOST EFFECTIVE 2,4-D.

When you think 2,4-D expertise, think Nufarm Crop Protection. Our locally innovated and formulated solution, Nufarm DROPZONE sets a new standard for weed control. Upgrade your 2,4-D today.

 **nufarm DROPZONE®**

DROPZONE is an efficacious, non volatile 2,4-D formulation for use in sugarcane, fallow, wheat, barley and grass pasture.

DROPZONE improves weed control by delivering true droplet optimisation, reducing drift and reducing oversized droplets, getting more DROPZONE to the target weeds. The benefit of droplet optimisation can be seen in the chart below comparing the droplet span of DROPZONE to a traditional 2,4-D amine formulation. DROPZONE significantly narrows the droplet span, resulting in 96% of the spray volume is in the optimal range, getting more herbicide to the target.

## 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 are too large and can reduce efficacy due to poor coverage and retention.
- Droplet optimisation tightens the droplet span of DROPZONE getting more herbicide to the target weed.

### What does droplet optimisation look like on target weeds?

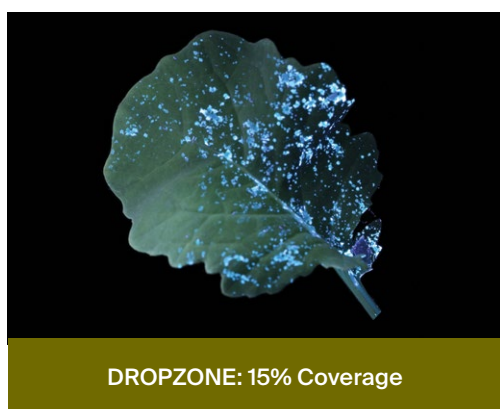
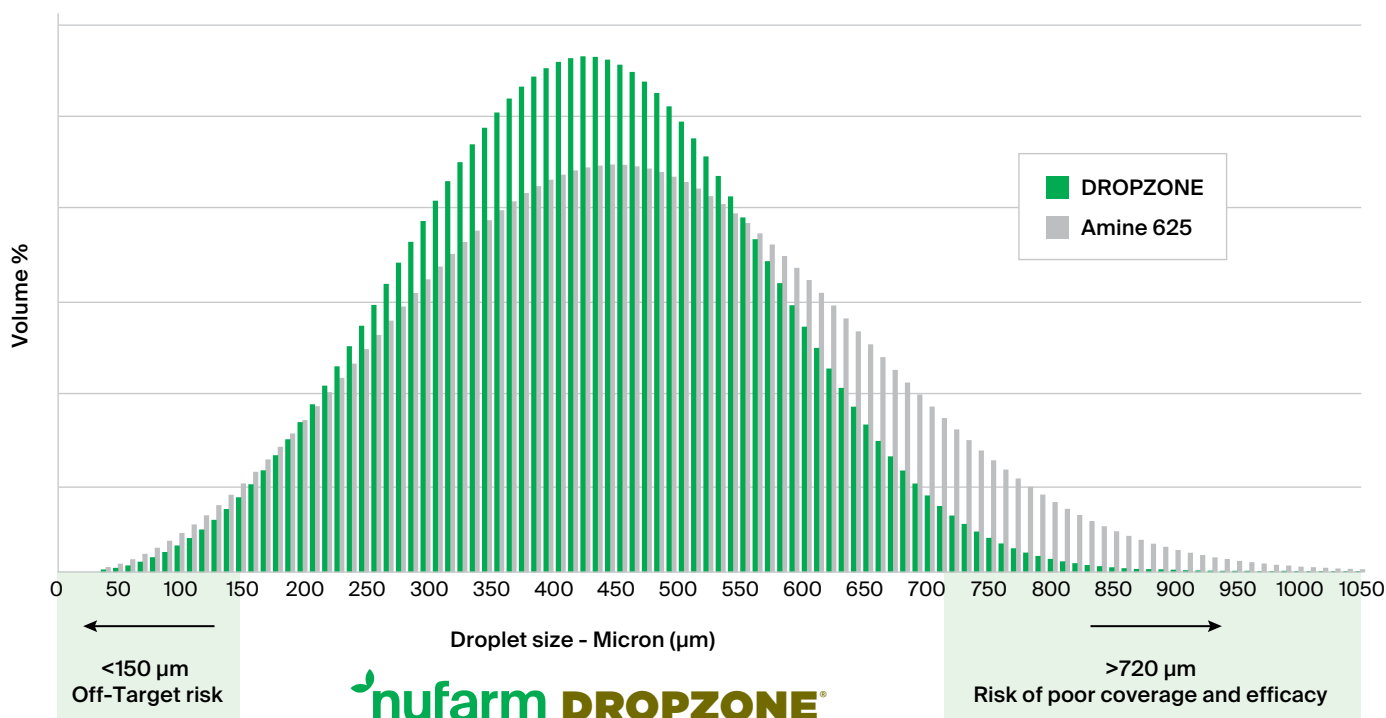


Image 1: Droplet optimisation in DROPZONE delivers better herbicide coverage and retention on weeds.

### Droplet optimisation with DROPZONE

Very coarse spray quality - AIXR11003 at 3 Bar





## 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

DROPZONE is a refined, low odour formulation for a better user experience.

## BUFFER ZONE

Droplet optimisation technology reduces the amount of driftable fines. This has allowed DROPZONE to reduce buffer zones compared to Amicide Advance 700. An example of the reduction in buffer zones can be seen below. Consult the DROPZONE label for the complete buffer zone requirements.

| 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<br>(AMICIDE ADVANCE 700<br>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<br>(AMICIDE ADVANCE 700<br>Up to 1L/ha) **  | 0.5 m or lower                  | 5                     | 20                  | 5                | 15                  |
|                                                             | 1.0 m or lower                  | 40                    | 45                  | 35               | 45                  |

\*\*When applied as a directed spray, the buffer zones for boom sprayers listed in the RESTRAINTS section of the label do not apply if the spraying equipment is set up so the nozzles are orientated below the horizontal of the top of the crop canopy and spray is released at a height below the top of the crop canopy (excluding sprayers that are air assisted).



## COMPATIBILITY

DROPZONE® is physically compatible with Nufarm products: CRUCIAL®, Glyphosate 450, weedmaster® DST®, weedmaster® DUO, Kamba® 750, Terrad'or, Trooper 75D; and other products: Fluroxypyr 400 products, Starane Advanced.

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

## APPLICATION

DROPZONE must be applied with a spray quality of VERY COARSE or larger, 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.



For more information, contact your local Nufarm Business Development Manager

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