

DROPZONE

TECHNOTE

nufarm

POST EMERGENT USE IN WHEAT AND BARLEY.



When you think 2,4-D expertise, think Nufarm Australia. Our locally innovated and formulated solution, Nufarm DROPZONE is setting a new standard for weed control. Upgrade today.

Efficacy matters in late post em weed control as larger or hard to control broadleaf weeds are often the target. Nufarm DROPZONE is now registered for late post emergent weed control in wheat and barley as an alternative to Nufarm Amicide Advance. Nufarm DROPZONE is a low odour formulation and has consistently shown improved efficacy over other 2,4D amine formulations on key broadleaf weeds including sowthistle, wild radish, wireweed, volunteer canola and fleabane.

Nufarm DROPZONE improves weed control by delivering true droplet optimisation, reducing drift and reducing oversized droplets, getting more Nufarm DROPZONE to the target weeds.

KEY DETAILS

- Rate range of 700 mL/ha - 1400 mL/ha
- Wheat and Barley only
- Application window from first node Z31 to until flag leaf fully emerged Z39
- Updated compatibility list to maintain crop safety when tankmixing



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

NUFARM DROPZONE V NUFARM AMICIDE ADVANCE

Cereal Post Emergent Comparison

	DROPZONE	Amicide Advance 700
Loading	500 gai	700 gai
Crops	Wheat, Barley	Wheat, Barley, Cereal Rye, Triticale, Oats
Use Rate	700 - 1400 mL/ha	500 - 1500 mL/ha / 500 - 1150 mL/ha (Oats)
Grams Active per Ha	350 - 700	350 - 1050 / 350 - 805 (Oats)
Crop Timing	Z31 - Z39	Z15 - Z31, 500 mL/ha only Z31 - Z43, up to 1500 mL/ha
Efficacy	Excellent	Good
Low Odour	✓	✗
Drift Reduction	✓	✗
Physical Compatibility	Good	Good
Biological Compatibility	Caution	Good

APPLICATION TIMING

Apply Nufarm DROPZONE to wheat and barley only, from first node (Z31) to until flag leaf fully emerged (Z39). The chart below highlights the different application timings and rates between Nufarm MCPA LVE, Amicide Advance and DROPZONE.

Application of Nufarm 2,4-D or MCPA during the mid to late booting phase can interfere with pollen formation, causing potential yield loss. Always follow the label and apply during the correct growth stages.

Product	Rate/ha	Cereal Growth Stage (Zadok Stage)							
		2 leaf	3 Leaf	5 leaf - Early Till	Tillering	Stem elongation	Early Boot	Booting, Head emergence, flowering, milk stage	Dough stage
		Z12	Z13	Z15 - Z 21	Z21 -29	Z31 - 39	Z40 - Z 43	Z43 - Z79	Z80 - 89
MCPA LVE 570 570 g/L LVE MCPA	440 mL								
	440 - 1400 mL (1840 mL wheat)					*Z37			
Amicide Advance 700 700 g/L 2,4-D Amine	500 mL								
	500 - 1500 mL (1150 mL oats)								Firm dough
DROPZONE 500 g/L 2,4-D Amine	700 - 1400 mL (wheat, barley only)								Firm dough

*MCPA LVE last timing is Z37

IDENTIFYING CEREAL GROWTH STAGES

Earliest application timing Z31

Last application timing Z39 - Flag leaf fully emerged, flag leaf collar just visible

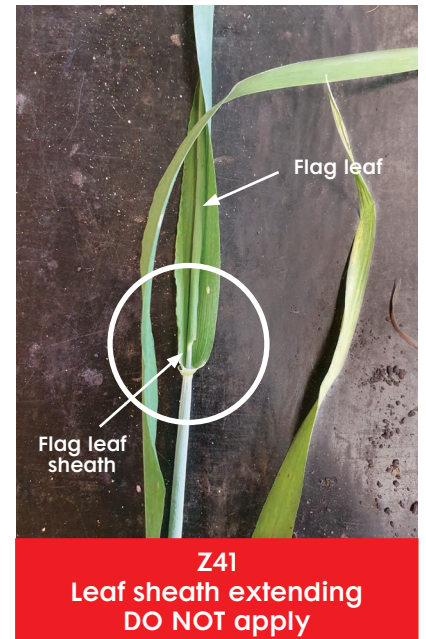
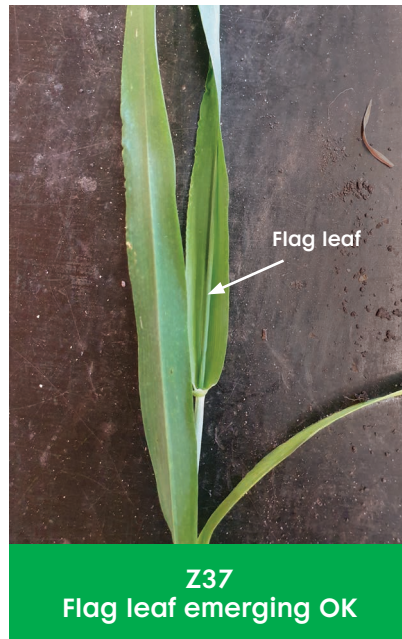
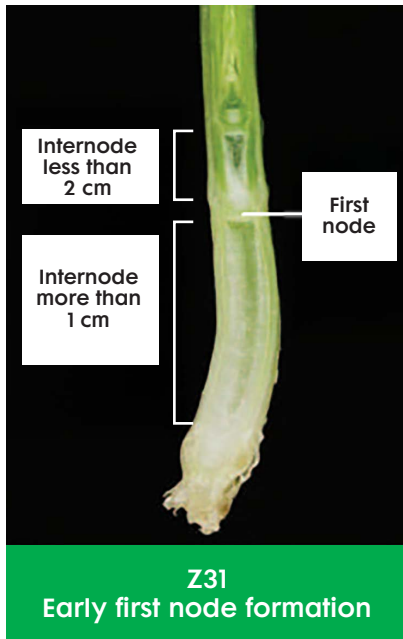


Image taken from GRDC Cereal Growth Stages 2005

CROP SAFETY AND COMPATIBILITY

Nufarm DROPZONE can cause transient, minor leaf spotting. Tank mixing can increase the risk of leaf phytotoxicity, refer to the cereal post emergent compatibility section on the Nufarm DROPZONE label.

Nufarm DROPZONE can be mixed with any one of the following herbicides/fungicides

- Nufarm Archer 750, Saracen**, Paradigm**, Associate**
- Soprano, Maxentis, Amistar Xtra, Elatus Ace,
- Tebuconazole based fungicides have shown increased risk of phyto.

Apply to actively growing crops, early in application window, to minimise any possible leaf spotting on the important top three leaves.

**Nufarm Saracen: CanDo 0.5 % v/v; **Paradigm, **Associate: BS 1000.



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