

Debut™



Pack Sizes Available

20L

Active ingredient

500g/L 2,4-DB as the dimethylamine salt

Formulation

Soluble concentrate

What is Debut™?

Debut contains 2,4-DB, an inactive form of the phenoxy herbicide 2,4-D. Plants convert 2,4-DB to 2,4-D which then upsets cell division and growth causing plant suppression and or death.

Weeds must be actively growing to facilitate this conversion process. Stressed weeds will not convert 2,4-DB to 2,4-D fast enough and will continue to grow and compete with the crop.

Debut is safe to lucerne and white clover because these two species do not complete this conversion process efficiently.

Benefits

- Controls a range of seedling broadleaf weeds in newly sown lucerne (and pastures)
- Apply to small actively growing seedlings
- Safe on lucerne and white clover from the 1-2 true leaf stage
- With correct management may also be used on established lucerne
- Can be tank mixed with Dictate® (480g/L bentazone) to widen the weed spectrum
- Highest strength formulation in the market means lower use rates
- Part of Nufarm's comprehensive lucerne product range

Getting the best from Debut

- Monitor your crop closely after sowing
 - > Be ready to apply Debut as soon as most of the lucerne seedlings have 2 true leaves.
 - > To reduce crop injury risk from root absorption, ensure weed + crop ground cover is greater than 50%. Delay application if necessary.

- It is critical that weeds sprayed at the small seedling stage (1-4 leaves) and are actively growing.
 - > Debut should be applied when temperatures are warm (>15°C) and there is good soil moisture
 - > Larger weeds and or stressed weeds will not be adequately controlled
- Identify weed species & select the correct rate of Debut.
- May be applied by ground or aerial application
 - > For ground boom application apply in 100-200 L/ water/ha and ensure thorough coverage.
 - > To avoid spray drift select nozzles to provide medium to coarse droplets and set boom height as low as practicable.
 - > For aerial application apply in 60-100L water/ha and ensure thorough coverage
- To avoid unacceptable crop injury do not mix with other herbicides or adjuvants unless specifically recommended

Compatibility

Debut is compatible with Dictate. Please see Dictate label for use directions. Grass herbicides should be applied as a separate application.

Withholding period:

1 day.

Do not apply more than 6.4L Debut/ha and do not apply more than once per calendar year.

Weed control

Debut will control or suppress a wide range of broadleaf seedling weeds. Debut is safe to the crop when applied according to label directions.

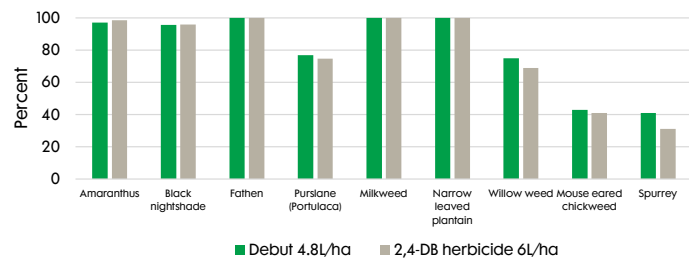
Weeds Controlled	Rate L/Ha	Comments
Buttercups (annual), cresses, fathen, field bindweed, hedge mustard, nettles, plantains, redroot, shepherd's purse, thistles (annual), wild turnip	4.8	Weeds must be treated as seedlings. Young Pasture: If these weeds are predominant, then use Nufarm MCPB 400* herbicide.
Cornbind, docks, nodding thistle, ragwort, water pepper, willow weed, wireweed	6.4	Weeds must be treated as seedlings.

* Alternatively use Thistrol® Plus, Tribal® Gold or Baton® 800WSG as recommended for use in new pastures.

Trial: NUNZ1867

A pot trial to confirm efficacy against a range of seedling weeds
Control = Weeds that have died or are severely suppressed and will not recover and compete with the crop

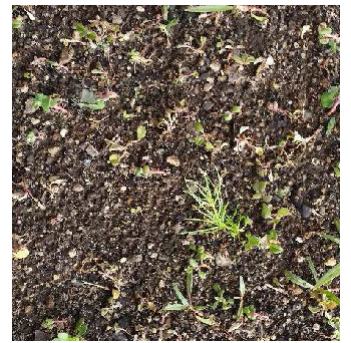
SEEDLING WEED CONTROL (3 weeks after application)



NUNZ1867 Photos taken 3 weeks after treatment



Untreated



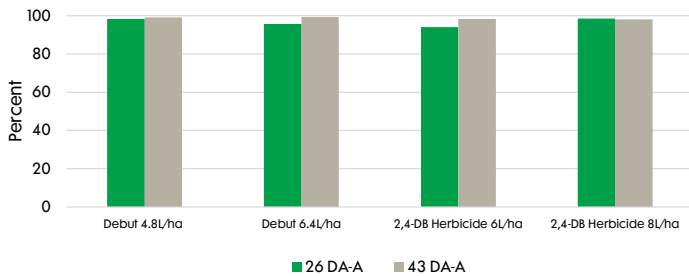
Treated - Debut 4.8L/ha

Trial: NUNZ1868 Weed Control and Crop Safety of Debut in Lucerne.

Mid Canterbury, dryland, sown 8 December 2018
Herbicides applied when lucerne reached the 2-4 trifoliate leaf stage.

Fathen 4-6 leaf at application.

FATHEN MORTALITY (untreated = 1081 plants/m²)



All surviving fathen plants were severely suppressed and would not recover to compete with the crop.

No crop injury was observed in any treatment.

NUNZ1868 Photo taken 6 weeks after application



Treated - Debut 6L/ha

The information contained is a quick reference only. Always consult the product label before use.

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