



PACK
SIZE

20L

NEW
150 L/ha USE
PATTERN

Dictate® 480 + Flume®

Lower water rates without compromising coverage

Dictate 480 is a selective contact herbicide. Because bentazone has no soil residual activity or systemic translocation, effective leaf coverage is critical. At lower water volumes, Flume acts as a non-penetrating superspreader, reducing surface tension so medium droplets flatten and spread across waxy leaves rather than bead or roll off.

Active ingredient

480 g/L bentazone.

Formulation

Soluble concentrate.

GROUP	6	HERBICIDE
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Benefits

- **Improved spraying efficiency:** The 150 L/ha water rate allows more hectares to be treated per tank fill, reducing refill stops and helping improve application productivity.
- **Coverage maintained at lower water volume:** Flume reduces surface tension so medium droplets spread across waxy leaf surfaces, supporting the coverage required from a contact herbicide.
- **Proven New Zealand performance:** Across six New Zealand trials, the 150 L/ha programme delivered very similar primary target weed reduction to Dictate 480 applied in 300 L water/ha.
- **Valuable Group 6 weed-control option:** Provides a different mode of action for broadleaf weed programmes, including control of flumetsulam-tolerant chickweed in established pasture.

Tips for success

- Use the complete low-water recipe: 3 L/ha Dictate 480 + 150 mL/ha Flume in 150 L water/ha.
- Select nozzles and pressures that deliver medium spray quality. Coverage is essential for this contact herbicide.
- Apply the 150 L/ha option only when Dictate 480 is applied alone. Do not substitute another adjuvant for Flume.
- Target young, actively growing weeds. New pasture applications should align with the clover, plantain and weed growth stages in the use-directions table.
- Ensure all green leaf surfaces are adequately covered and maintain continuous agitation during mixing and application.

New Zealand trial performance

Across six New Zealand trials, Dictate 480 + Flume in 150 L water/ha delivered very similar primary target weed reduction to Dictate 480 applied in 300 L water/ha. Results shown are the values presented in the training material; trial NUNZ2412 was affected by frost across all Dictate 480 treatments.

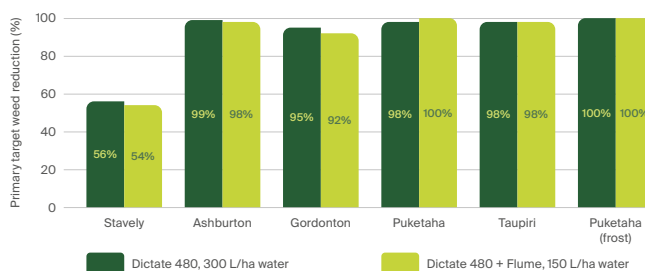


Figure 1: Reduction of each trial's primary target weed relative to untreated. Source: Nufarm NZ efficacy dossier trials NUNZ2377, NUNZ2379, NUNZ2265, NUNZ2315, NUNZ2405 and NUNZ2412, as summarised in the June 2026 training presentation.

Key takeaway

The 150 L/ha programme is a complete application system:

Dictate 480 at 3 L/ha, Flume at 150 mL/ha, medium spray quality, and Dictate 480 applied alone.

Updated pasture use directions

CROP	TIMING	RATE/HA	REMARKS
New pasture (grass or mixed swards with clover and/or plantain)	When clover has 1–2 trifoliate leaves and/or plantain has 2–4 true leaves, and weeds are at the 4–6 leaf stage.	3 L/ha in 150 L water/ha	Use nozzles and pressures that produce medium spray quality. Add Flume at 150 mL/ha. Only use this low-water option when Dictate 480 is applied alone.
Established pasture (grass or mixed swards with clover and/or plantain)	General weed control from spring through autumn. Treat seedlings while small and actively growing.	3 L/ha in 150 L water/ha	Use nozzles and pressures that produce medium spray quality. Add Flume at 150 mL/ha. Only use this low-water option when Dictate 480 is applied alone. Controls chickweed tolerant to flumetsulam.
Plantain and plantain/clover mixed swards	Once plantain has 2–4 true leaves and clover has 1–2 trifoliate leaves. Weeds should be at the cotyledon to 6-leaf stage.	3 L/ha in 300–500 L water/ha	Ensure weeds are exposed and thorough spray coverage occurs. Add Contact™ Xcel when applying Dictate 480 alone. Some initial growth suppression and transient leaf scorch may occur. Avoid swath overlaps. Dictate 480 may be applied with seQuence® and Bonza® Gold as directed on the label.
Lucerne	During autumn.	1.5 L/ha + 1.6 L/ha Debut®, or 4 L/ha Dictate 480 alone. Apply either option in 300–500 L water/ha.	For control of nodding thistle and storksbill.

For use directions in cereals, clover seed crops, grass seed crops, peas and other registered crops, refer to the approved Dictate 480 label.

Watch-outs

WATCH-OUT	WHAT TO DO
Coarse droplets or poor coverage	Do not treat 150 L/ha as a shortcut. Use medium spray quality and include Flume at 150 mL/ha.
Rain or adverse conditions	Avoid application when rain is expected within the label rainfast period. Weather and crop stress can affect activity and crop response.
Crop stage and grazing	Observe the label crop-stage restrictions and the 14-day grazing/animal-feed withholding period for pasture, plantain and mixed swards.
Tank mixes at 150 L/ha	The reduced-water use pattern is for Dictate 480 applied alone. Use registered standard-water directions for approved tank mixes.
Resistance stewardship	Avoid repeated reliance on one mode of action. Rotate and/or mix with different modes of action where label directions allow.

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



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