

TECHNOTE

TERRAIN - SUPERIOR RESIDUAL WEED CONTROL IN LUCERNE

Nufarm delivers the pinnacle in lucerne weed control with Terrain, a unique and versatile group G herbicide that is ideally suited for lucerne weed control, providing residual control or suppression of 17 hard to kill weeds.

Applied early, Terrain® delivers excellent, economical residual weed control of a range of broadleaf and grass weeds including annual ryegrass, flaxleaf fleabane and sowthistle. Terrain is also suited for use as part of a herbicide resistance management strategy, providing an alternate mode of action.

TERRAIN AT WORK

Terrain is non volatile, UV stable herbicide that can remain on the soil surface for up to three weeks. Rainfall is required during this period to incorporate Terrain into the soil. Once incorporated by rainfall, Terrain binds tightly to the top layer of soil, forming a concentrated band of protection. As Terrain binds tightly to soil and is not translocated by roots, Terrain has excellent safety to trees and adjacent crops.

HANDLING TERRAIN

Terrain is a water dispersible granule formulation that is conveniently packaged in water soluble sachets. Each sachet can be placed directly in the spray tank and dissolves easily, even in very cold water. It is important not to damage or expose

FEATURES AND BENEFITS

- New mode of action residual herbicide
- Autumn cleaning application prior to main germination of winter weeds
- Up to 16 weeks residual weed control
- Lucerne dry matter production increase
- Feed quality improvement
- Short 4 week WHP on grazing lucerne

these water soluble bags to moisture as breakages and spills may occur. DO NOT handle water soluble bags with bare or wet hands or place bags on wet surfaces. Protect unused sachets by storing them in the original container.

APPLYING TERRAIN

For optimum efficacy with Terrain, soil coverage is critical. Application on bare earth, with a small amount of rainfall or irrigation to incorporate is required. Terrain should be applied in a tank mixture with either Shiquat® 250 or Revolver® to control weeds that have already emerged. Terrain should be applied using a COARSE to VERY-COARSE spray quality using a minimum of 80 L/ha of water. Do not apply using high pH water (>7) or allow spray mixtures to stand overnight.

Product type & formulation	Water dispersable granule
Active ingredients	Flumioxazin 500 g/Kg
Mode of Action:	Group G – PPO inhibitor
Registered use	Established lucerne
Use rate	280 g/ha
Weeds controlled/suppressed*	Annual ryegrass, carrot weed, common sowthistle, dead nettle, flaxleaf fleabane, shepherd's purse, silver grass, small flowered mallow*; stinging nettle*; winter grass, awnless barnyard grass*; capeweed*; clammy goosefoot*; fat hen*; feathertop rhodes grass*; heliotrope*; sub clover*
Recommended spray quality	Coarse to very coarse
Water volume (L/ha)	80 L/ha minimum
Adjuvant required	Not required
Grazing withholding period	4 weeks
Compatibility	Excellent compatibility with knockdown herbicides
Product pack sizes available	2.4 kg

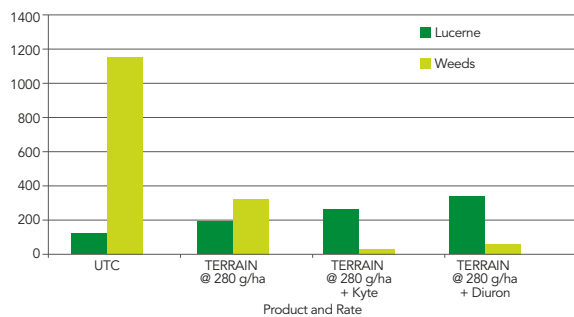
ESTABLISHED OPTIONS	RATE	KNOCK DOWN	2 WEEKS	4 WEEKS	8 WEEKS	12 WEEKS	16 WEEKS	SEEDLING LUCERNE	COMMENTS
Buttress®	1.3-2.0 L/ha	✓						Y	Temp min 15°C for application. Broadleaf only no residual.
Buttress/ Broadsword®	1.3-2.0 L/ha + 25 g/ha + Banjo®	✓						Y	Temp min 15°C for application. Broadleaf only no residual.
Kyte®	70-140 g/ha + Banjo	✓						Y	Apply after 1st cut or heavy grazing in autumn/spring.
Buttress/Kyte	1.3-2.0 L/ha + 70 g/ha + Banjo	✓						Y	Knockdown and residual activity - wide spectrum.
Crop Care Bentley®	500 ml/ha - 1L/ha	✓						Y	Good option for seedling weeds. Capeweed, erodium, wild radish.
Revolver® / Crop Care Diurex®	2.4 L/ha + 830 g/ha	✓						N	Industry standard - winter application when lucerne dormant.
Crop Care Claw® 350SL	90-100 ml/ha + Supercharge® Elite	✓						Y	Knockdown of grass and broadleaf weeds
Terrain + Revolver	280 g/ha + 2.4 L/ha	✓						N	Extended residual control - autumn onwards application.
Sharpen*	34 g/ha + Banjo	✓						N	Good option for seedling capeweed and fleabane control. Knockdown only.



2014 trial at Woorndoo - south of Lake Bolac (Vic)
 Left side = Untreated control (Weeds = Small flowered mallow, stinging nettle, and barley grass)
 Right side = Excellent weed control with Crop Care Shirquat® 250 @ 2.0 L/ha + Terrain @ 280 g/ha (4-WAA)
 (Reference: NUVV-14-310.02-H10.)



Shirquat 250 @ 2.0 L/ha + Diuron @ 830 g/ha (flaxleaf fleabane)
 (Reference: 2014 demonstration - Yarrowonga)



Lucerne production, Keith, SA

Lucerne and weed fresh weights (g/m²) 12 weeks after application



Shirquat 250 @ 2.0 L/ha + Terrain @ 280 g/ha
 (Reference: 2014 demonstration - Yarrowonga)

For more information on Terrain, contact your local Nufarm Area Sales Manager.

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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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