

TECHNOTE EFFECTIVE CONTROL OF PASTURE PESTS

Redlegged earth mites (RLEM), blue oat mites (BOM) and lucerne flea are key pests of pastures and seedling broadacre crops. They can rapidly build up in numbers and cause significant losses in productivity with RLEM alone causing \$200 million in lost productivity.

Research has shown that these pests can easily consume as much pasture as 3.75 DSE/ha. They also cause long term losses in productivity by effecting seedling emergence, pasture establishment and reducing seed set.

For these reasons it is essential to control these pests early in the season before the damage is done. Imidan is part of the armoury available from Nufarm to effectively control these pests and increase pasture and crop productivity.

KEY FEATURES	BENEFITS
Broad pest spectrum	Controls RLEM, BOM and Lucerne Flea.
Fast acting	Complete population kill in 1-2 days. Stops damage quickly.
Soil and foliar activity	Gives true residual on the soil and leaf for 7-10 days (Refer to Figure 1). Can be used bare earth or early post emergent.
Short WHP	Harvest - Not required, Grazing - 2 days for pastures and lucerne.
Rainfast in 2 hours	Flexibility in application.
Soft on beneficials	Beneficial insects are retained to help control pests.
Good compatibility	Compatible with a number of insecticides and herbicides. Flexibility in herbicide choice and application.

MAXIMISING EFFICACY

Imidan binds to the soil and leaves and remains active for 7-10 days, meaning it gives true residual control over this time. Some other organophosphate products break down more rapidly on the soil and as a result are not as effective as Imidan on bare earth or early post emergent, when crop and pasture ground cover is low.

Imidan is not systemic and as a result is not recommended in situations when there is a large bulk of pasture or crop giving high ground cover, making it difficult for the spray to reach pests at or near ground level. In such situations, Nufarm recommends the use of a systemic insecticide such as Saboteur[®]. Ideally pests should be controlled before this situation arises to maximise insecticide efficiency and pasture productivity.

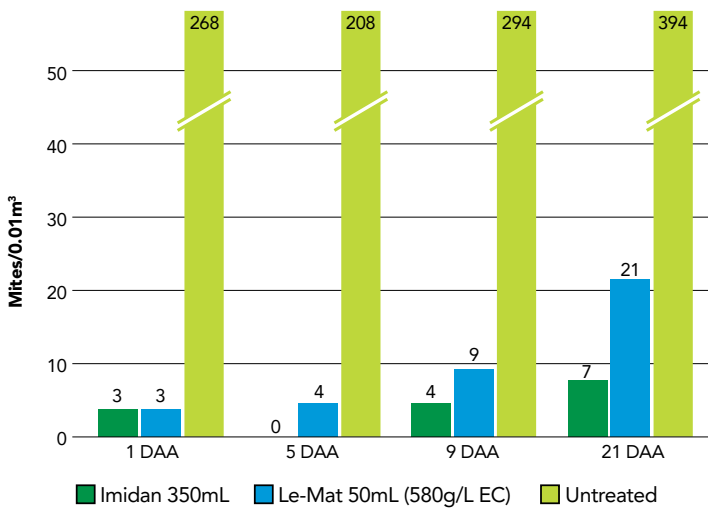
In newly sown or resown pasture and crops where RLEM and/or BOM are expected to be a problem, Nufarm recommends tank mixing Imidan with Astral[®]. This mix will provide long term control of earth mites (up to 60 days), allowing maximum establishment of desirable pasture species.



Photo 1: Redlegged earth mite.

FIGURE 1: IMIDAN'S RESIDUAL CONTROL VS LEMAT®

Trial: Clarendon SA/AU1094



COMPATIBILITY

Imidan is compatible with the following insecticides and herbicides, although it is important to note that issues of physical incompatibility may arise when using cold water.

Insecticides: Astral®, Astound® Duo, Matador® Zeon and Dimethoate®.

Herbicides: Gladiator® CT, Gladiator Dry, Gladiator Optimax, weedmaster® DST®, weedmaster ARGO®, Revolver®, Shirquat® 250, Achieve®, Factor®, Havoc®, Exert®, Amicide® Advance 700, Amine 625, Agritone® 750, Buttress®.

DIRECTIONS FOR USE

Crop	Pest Controlled	State	Rate	Withholding Period	Critical Comments	
Cereals	Redlegged earth mite	All states	250 to 350 mL/ha	7 days (grazing)	Apply 3-5 weeks after autumn rains commence and when low temperatures favour pest development. Use the higher rate only when severe infestations are present. Further treatment may be necessary later in the season if re-infestation occurs.	
Lucerne	Redlegged earth mite	Vic, SA, WA & Tas only		2 days (grazing)		
Pasture	Lucerne flea			Apply in autumn when populations indicate.		
Seed crops	Blue oat mite	Qld, NSW & WA only		2 days (grazing)		Apply 3-5 weeks after autumn rains commence and when low temperatures favour pest development. Use the higher rate only when severe infestations are present. Further treatment may be necessary later in the season if re-infestation occurs.
Pasture	Red legged earth mite	All states		Apply in autumn when populations indicate.		
	Lucerne flea	Vic, SA, WA, NSW & Tas only				
	Blue oat mite	Qld & WA only				

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD

PASTURES - DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 2 DAYS AFTER APPLICATION

CEREALS - DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION

For more information on Imidan, contact your local Nufarm Territory Manager.

nufarm.com.au

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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