



# AGPRO DIRECT

## TECH SHEET: *Lucerne*

**THIS IS A GUIDE ONLY. ALWAYS READ AND FOLLOW PRODUCT LABELS. IF IN DOUBT, PLEASE CALL AGPRO NZ OR A SUITABLY QUALIFIED TFO.**

**Good weed control is essential for high lucerne yields and good stand life. Weeds can also affect the palatability and feed value of lucerne silage and hay and can harbour insect pests.**

Lucerne weed control can be split into two distinct periods – weed control during establishment and weed control during the productive life of the stand. During establishment it is critical to control all weeds since they can negatively impact stand density. Note that while some herbicides can be used in both establishing lucerne and mature stands, some of the chemicals used for weed control during the establishment phase are different to those used in mature stands. Check with AGPRO.

For established stands, herbicide selection should be based on weed species present so be constantly alert to changing weed problems and their densities in the field. The ideal time to check for weeds is during the late autumn to early spring when lucerne growth rate is low. The decision to use herbicides for weed control in established lucerne should be based on the amount and type of weeds present and the lucerne stand density. Mowing prevents weed seed production and causes perennial weeds to grow from roots. Repeated mowing can suppress some persistent weeds by gradually reducing their root reserves.



At AGPRO we have a full range of herbicides available for weed control in lucerne. Lucerne doesn't get attacked by pests like brassica crops do, however we have added several insecticides to cover possible pest outbreaks.

Details of herbicide and insecticide options in a programme for control of a range of weeds/pests can be found below. Always refer to an agricultural chemical manual and read the manufacturer's instructions prior to applying products. Often a broader range of weed species can be controlled using a tank-mixed combination of two or more herbicides. Refer to an AGPRO staff member or a suitably qualified TFO. When using any crop protection product always follow the manufacturer's instructions for rate and timing of application and product mixing carefully. Also ensure that any product withholding periods are carefully observed.

**AGPRO HORTICULTURE**  
**Freephone 0508 536 536**  
*for technical assistance*



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### SUGGESTED AGPRO SPRAY PROGRAMME

Make your paddock selection as early as possible, noting what weeds are present. We are happy to discuss the correct sprayout option, and to receive pictures from your smart phone, should you have problems ID the weeds. General rule of thumb is sprayout 8-10 weeks prior to planting.

### STRAIGHT AFTER PLANTING PRODUCT IN RED MUST BE APPLIED TOGETHER:

Product	Application timing	Purpose	Rate/ha	Comments
<b>AGPRO Glyphosate 510</b>	Prior crop emerging	Cleanout any seedling weed	1-1.5L/ha	Check weed species
<b>AGPRO Triflan</b>	Soil incorporate	Pre-emerge residual weed control	1.25-1.7L/ha	Grass and broadleaf weeds

### SUGGESTED PROGRAMME POST CROP EMERGENCE AT BETWEEN 3-5 LEAF STAGE OF CROP:

Product	Application timing	Purpose	Rate/ha	Comments
Imazethapyr	From 2-4 leaf stage	Remove any seedling weeds	400ml/ha	Add AGPRO Wetter Penetrant
AGPRO Flumetsulam	After 3 months old	Knockdown of broadleaf weed	50-60g/ha	Add AGPRO Wetter Penetrant

### SUGGESTED PROGRAMME AT DORMANT CROP STAGE:

Product	Application timing	Purpose	Rate/ha	Comments
AGPRO Paraquat	Dormant stage	Burn down established weed	1-3L/ha	Add a residual to this
AGPRO Atrazine	Dormant stage	Mix with Paraquat/residual	1-2L/ha	Lucerne must be 1yr old
AGPRO Simazine	Dormant stage	Mix with Paraquat/residual	1.5-2L/ha	Lucerne must be 1yr old
AGPRO Terbutylazine	Dormant stage	Mix with Paraquat/residual	0.7-1L/ha	Lucerne must be 1yr old
AGPRO Hexagran 750	Dormant stage	Control a range of hard to kill weeds	1.2kg/ha	Check label for specifics

**NB:** As all three RESIDUALS above cover a different range of weeds choose carefully as to the most appropriate partner to be applied/mixed with the Paraquat.

### OTHER CHEMICAL OPTIONS:

Product	Application timing	Purpose	Rate/ha	Comments
AGPRO Bentazone	Nov-March	Specific range of weeds	1.5-2L/ha	Chamomiles, storksbill, spurry nightshade

### GRASS WEEDS:

Product	Application timing	Purpose	Rate/ha	Comments
AGPRO Haloxyfop	Post emerg	Control of grass weeds	0.5-1L/ha	On crops between 2-6 months old and a higher rate of 1-2L/ha on older crops with established grass weeds. Add Crop Oil.

**NB:** Any applications of Haloxyfop must be made separate to Bentazone.

### OTHER PEST PROBLEMS:

Aphids can damage the crop from spring onwards. Crop walking will show whether a suitable insecticide is required over this time. Should aphids be a problem, AGPRO Piraphid Xtra can be applied @250-300g/ha.

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