

# DOCKSTAR™

COST EFFECTIVE,  
CLOVER FRIENDLY  
DOCK CONTROL



**Nufarm**

Grow a better tomorrow.

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CLOVER-  
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DOCK  
CONTROL**



Dockstar contains 390g/L Asulam sodium salt as a soluble concentrate (SC).

## KEY FEATURES

- > Controls established docks
- > Easy to use liquid formulation
- > Cost effective option
- > Selective to clover, ryegrass and tall fescue

## ABOUT DOCKS

Docks (*Rumex sp.*) are a prevalent weed throughout New Zealand. They are perennial weeds with a large tap-root system and can quickly out compete surrounding pasture. The broad flat leaves make the weed particularly effective at reducing pasture quality and one dock plant can produce up to 40,000 seeds every year. Docks are also tolerant of poorly drained soil and will often be found in low-lying areas of a paddock.

Flowering typically occurs from November to April.



## USE DIRECTIONS

Apply 3.1-4.1L/ha. Do not add any adjuvant.

Docks are best controlled when actively growing and in full leaf stage so spring application will result in optimal control.

Application should take place before seed head emergence.

Allow at least 2-3 weeks growth after grazing before spraying. This ensures sufficient leaf is present for uptake of Dockstar and will minimise pasture growth check.

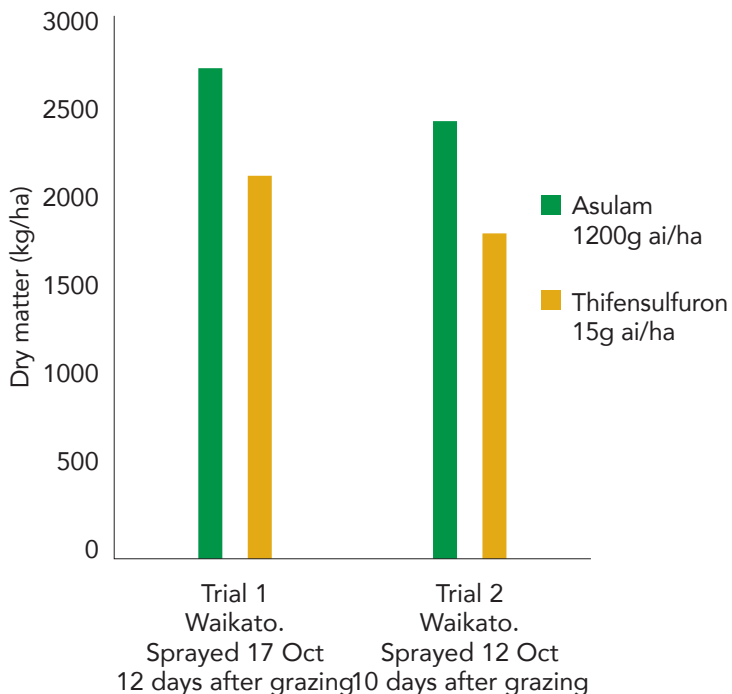
## LESS PASTURE DAMAGE

While some pasture damage can be expected, Dockstar will have less impact than other standard control options such as thifensulfuron.

## TIPS FOR SUCCESS

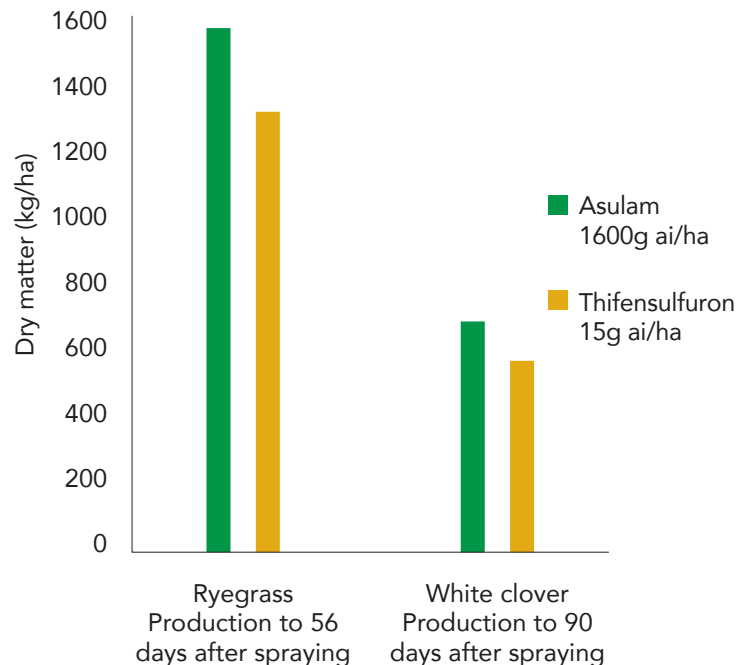
- > Allow at least 2-3 weeks growth after grazing before spraying
- > Growth allows sufficient leaf area for good uptake and minimises the pasture growth check
- > Leave at least 7 days (preferably 2-3 weeks) between spraying Dockstar and grazing
- > Dockstar has no grazing withholding period, but this time delay ensures maximum translocation and efficacy

### Pasture production



Adapted from Rahman & Martin 1989.

### Pasture production (mean of 2 trials)

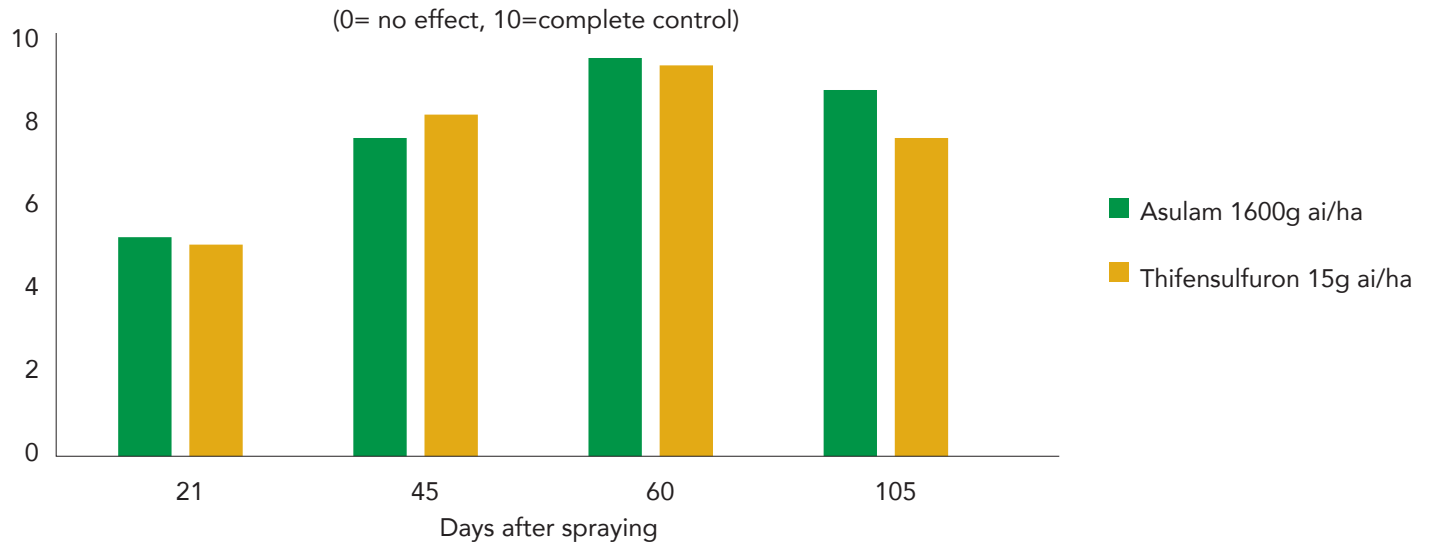


Adapted from James et al. 1992.

## EFFICACY

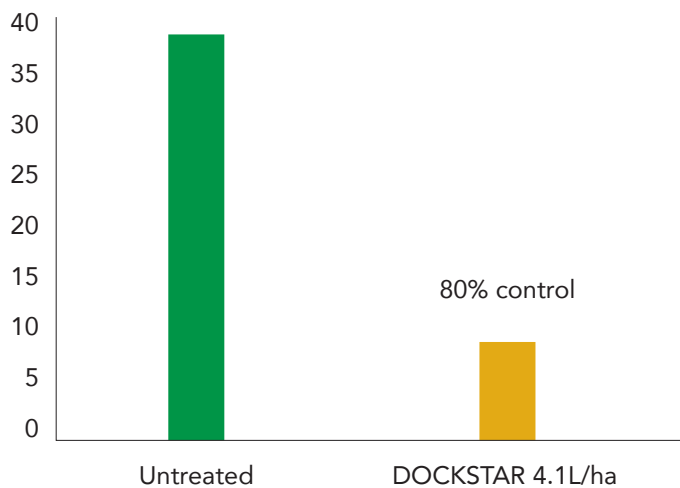
Asulam is slow acting. Maximum dock control is typically achieved 2-3 months after spraying.

### Dock control (mean of 7 trials)



Interdependent trials: 3 Waikato, 2 Northland, 3 Manawatu. Sprayed 1-2 weeks after grazing in spring.

### Docks/m<sup>2</sup> at 3 months after spraying



## MIXING

Half fill the sprayer with water. With the agitators running add the required quantity of Dockstar to the spray tank and top up with water. Maintain agitation until spraying is completed.

Trial NUNZ 1423. Sprayed 2 May 2014.



## APPLICATION RATES

CROP	TIMING	RATE/HA	NOTES
Established Perennial Pasture	Apply in spring when docks are actively growing and in full leaf. Avoid spraying after seed heads have emerged.	3.1-4.1 litres/ha in 200 litres of water/ha or spot application	Use the high rate on heavy infestations of mature docks. Dockstar may cause temporary yellowing of some pasture species. To minimise any check to growth do NOT spray immediately after grazing. Leave pasture for at least 2-3 weeks after grazing before spraying. Do NOT apply to grass seed crops. NOT suitable for brome, browntop or prairie grass based pasture.
Red Clover	Apply in spring shortly after closing the paddock for hay or seed.	3.1 litres/ha in 200 litres water/ha	Allow docks to recover after grazing. Do NOT spray in December after cutting for hay. In a dry season this may check the clover and reduce seed yield. Do NOT apply to white clover seed crops.
Established Lucerne	Apply in autumn three weeks after the last cut has been taken. Alternatively spray in spring as soon as docks break dormancy and develop leaves.	3.1-4.1 litres/ha in 200 litres of water/ha, or spot application	Use the high rate on heavy infestations of mature docks. Ensure conditions favour good growth. Do NOT spray between cuts in spring and summer.
Orchards (established)	Apply in spring or autumn when docks are in full leaf and actively growing.	4.1 litres/ha in 200 litres of water/ha or spot application	Avoid spraying fruit trees.
Raspberries, Boysenberries, gooseberries, Currants	Apply in early spring.	Dilute 1:200	Spot application only. Avoid spray falling on the crop.
Asparagus	Apply before spear emergence or after cutting.	Dilute 1:200	Spot application only. Apply before spear emergence or after cutting has finished. Do NOT spray during the harvesting period.
Non-crop (eg road verges)	Apply in spring or autumn when docks are in full leaf and actively growing.	4.1 litres/ha in 200 litres of water/ha or spot application	

Spot Application: Mix 1 part Dockstar to 200 parts water. Apply to runoff.

## Powerful rewards for loyalty to Dockstar and Nufarm



Every purchase of Dockstar earns you valuable reward points in Priority Partnership®, the loyalty scheme for New Zealand farmers.

Reward points can be redeemed on items ranging from toasters to televisions. If you are not a member yet, find out more or join online at [www.prioritypartnership.co.nz](http://www.prioritypartnership.co.nz)

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