



**Alion**

# Bayer Informs

## Frequently Asked Questions

### Using Alion the longer lasting herbicide in grapes and apples

**1.Question:  
What is Alion?**

**Answer:**

Alion is a newly available and highly effective solution for pre-emergence weed control in grape and apple crops. Alion provides long lasting control of a wide range of grass and broadleaf weeds.

**2.Question:  
How does Alion work?**

**Answer:**

Alion acts as a soil herbicide via inhibition of germination and weed emergence. Alion's mode of action is as cellulose – biosynthesis inhibitor (CBI), preventing meristem growth by affecting cell wall formation, elongation and division.

**Answer:**

Alion controls a broad range of grass and broadleaf weeds. Trials in New Zealand have demonstrated excellent efficacy including effective control of problematic weeds including white clovers, mallows, broad-leaved fleabane and willow weed. See the label for more information.

**3.Question:  
What weeds does Alion control?**

**4.Question:  
Does Alion control glyphosate resistant ryegrass?**

**Answer:**

Yes. Trials in New Zealand have demonstrated excellent pre-emergent control of ryegrass in known glyphosate resistant sites.

**5.Question:  
What is the use rate?**

**Answer:**

Alion should be applied at 150 mL/ha.

**6.Question:  
When should Alion be applied?**

**Answer:**

Alion should be applied in the spring through to early summer prior to peak weed germination periods. Observe withholding periods - Apples 56 days, Grapes 70 days.

**7.Question:  
How many Alion applications can be used?**

**Answer:**

Only one application of Alion should be used per season.

**8.Question:  
Does Alion knockdown already emerged weeds?**

**Answer:**

No. Alion has no knockdown activity. If weeds are present Alion should be tank mixed with a knockdown herbicide eg; Buster or glyphosate.

**9.Question:  
What if significant weeds are already present?**

**Answer:**

Ideally Alion should be applied to bare soil free of plant material. If dense stands of weeds are present, a knockdown herbicide (eg; Buster or glyphosate) should be applied first. Alion should then be applied later once the weeds have been knocked down.



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**10.Question:  
Does Alion need  
rainfall to be  
activated?**

**Answer:**

Yes. Alion requires a minimum of 7 mm of rainfall (or irrigation) to activate Alion in the soil.

**Answer:**

No. Do not use Alion on apples trees less than 3 years old. Do not use Alion on grapes less than 5 years old. Only trunks with callused, mature brown bark may be sprayed with Alion.

**11.Question:  
Can Alion be  
used on newly  
planted apples or  
grapes?**

**Answer:**

Care should be taken on gravel soils. Do not use Alion on soils with 20% or greater gravel content. Do not apply Alion on soils that have open channels or cracks in the soil.

**12.Question:  
Can Alion be  
used on any  
soil type?**

**13.Question:  
Does Alion  
affect soil  
biological  
activity?**

**Answer:**

Studies have concluded that Alion has no long term effects on soil micro-organisms and is not toxic to earthworms. Additionally Alion is not toxic to adult honey bees and is of low toxicity to birds, small mammals and non-target arthropods.

**14.Question:  
Are there any  
crop rotation  
recommendations?**

**Answer:**

Yes. If the orchard or vineyard is to be removed, do not use Alion for 2 years prior to removal.

## Territory Sales Managers

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**Insist on Alion from Bayer**

[www.cropscience.bayer.co.nz](http://www.cropscience.bayer.co.nz)



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