



**CERTIFIED  
ORGANICS**



**Case Study**  
Controlling  
Broadleaf  
in Grasses

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## Case Study: Controlling Broadleaf in Grasses

Henschke Wines wanted to remove broadleaf weeds from native grasses planted as inter-row cover in one of their South Australian vineyards.

Well known viticulturist Prue Henschke is establishing native grasses for inter-row cover in one of their South Australian vineyards.

Australian native grasses have a far greater ability to withstand drought conditions than introduced European species. They also allow increased water infiltration, require less mowing and reduce soil compaction. Their ability to maintain inter-row coverage during dry conditions ensures soil microbial life is also protected. Certain native grass species can tolerate and even reduce salt levels over time. BioWeed™ is unique in that it does NOT harm soil microbia. This is a key factor in maintaining soil health and structure.

In order to allow the native grasses to become established the invading broadleaf weeds (primarily Patterson's Curse and Capeweed) need to be controlled. These type of invasive broadleaf weeds continue to spread because they flower quickly and drop up to 50,000 seeds into the surrounding soil on an annual basis. They are also endemic under drought conditions and can quickly dominate grassland areas if effective control is not introduced.

Selective herbicides or hormone treatments only treat the emerged broadleaf weed allowing immediate regeneration from the seed bank to occur. These types of treatments can only provide ongoing suppression and never result in weed eradication.

BioWeed™ Controls' unique properties can offer a highly effective long term solution for selective broadleaf control.

**FIRSTLY** – BioWeed™ Control is a highly effective knockdown herbicide working on contact with weeds. Because broadleaf weeds catch the spray solution and are more susceptible to the active ingredient – applying a low rate via boom or spot spray will eliminate the emerged broadleaf with only superficial damage to the surrounding grasses. (Higher rates are required to take out the grasses).

**SECONDLY** – BioWeed™ Control contains our patented (BioSeed™ Eradicator) active ingredient which attacks and kills the broadleaf seed in and on the soil surface. As grasses regenerate from the tiller base – the removal of the broadleaf seed bank provides a window of opportunity for them to out compete any remaining broadleaf seed and become established as the dominant cover crop.

**THIRDLY** – BioWeed™ Control has 5 major benefits to growers:

- i) highly effective knockdown herbicide
- ii) highly effective pre-emergent herbicide
- iii) improved crop safety
- iv) improved operator safety
- v) improved soil health and environmental safety.



“I've had great success using this product for broadleaf control in our vineyards”

Prue Henschke  
Viticulturalist  
Henschke Wines  
South Australia

Will your current spray program ever achieve long term control?



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In the photos below please note:

### PHOTO ONE:

The high concentration of broadleaf prior to spraying.

### PHOTO TWO:

How correct application ratios have given immediate control of the broadleaf weeds, leaving the grasses largely unaffected.

### PHOTO THREE:

Results three months after spraying. Please note the lack of broadleaf weeds and the incredible health of the newly established inter-row cover.

### PHOTO FOUR:

Results three months after spraying with an industry standard selective broadleaf herbicide in the same block. Note the re-emergence of (now flowering) broadleaf weeds and the comparative poor health of the grasses.

Would you like to achieve genuine eradication of invasive broadleaf species?

## Henschke Wines – Kyneton South Australia.



1: Prior to spraying



2: 24 hours after application of BioWeed™ Control @ 60 Litres per sprayed hectare



3: Three months after application of BioWeed™ Control



4: Three months after application of Industry Standard Selective broadleaf herbicide

