

# What you need to know about using BARRICADE in garden beds



### What has changed with the registered uses of BARRICADE Herbicide?

Since 2011 BARRICADE has been registered for use in turf to control various grassy weeds in a diverse range of turf types and is recognised for its longevity and effectiveness. The label has just been extended to allow use

in garden beds (under mulch) and potted plants in nurseries, public open spaces and residential or commercial gardens.

### What should I keep in mind when using BARRICADE in garden beds?

There are a few things to note. Firstly, the label clearly instructs the user to place the product 'under mulch' when used in garden beds. Much like the foliar canopy that protects the product when used in turf, the mulch is a physical barrier that protects the product from light and physical removal. In doing so it helps it last longer.

### Can I apply the product over the top of the mulch and try to wash it through?

No. One of the best attributes BARRICADE has is a high soil binding capacity. This helps the product secure itself so it stays where it is put. This propensity to bind to things that are organic, means if you apply



over the top of the mulch it will bind to the mulch – and not end up placed where you need it, which is in the top layer of soil.

Therefore, always apply prior to mulching, and if a site has existing mulch, rake it back to expose the soil, apply the product to the soil with a light wash in and return the mulch over the top.

### Could I still get some weeds germinating in the mulch?

Possibly. Mulches can contain weed seeds within them and other seed will get dropped or blown into a mulched area over time. However, keep in mind roots that grow in the mulch will not last long as they will be very susceptible to drying. If a weed were to germinate in the mulch and push a root through the mulch to reach the soil, the BARRICADE barrier will immediately cause clubbing and loss of function.

### Will BARRICADE hurt the foliage of an existing plant during the application process?

Unlike current industry standards the mode of action of BARRICADE does not involve damaging green tissue. BARRICADE works on root tips and usually only does this after setting a barrier that weed seeds germinate in to. Extensive testing has not revealed any concerns around sensitive species, however, it is not impossible new cultivars could be developed that are sensitive and this should always be kept in mind.

For over the top uses in nursery potted plants the label states wash in should occur immediately – this is a mitigation strategy against possible sensitivity. In a garden bed where there is existing vegetation immediate wash in is considered appropriate practice.

### Are there any plant types I should consider unsuitable for BARRICADE use?

Yes. Shallow rooted species and species with aerial roots such as Bromeliads, Orchids, birdsnest and tree ferns and very shallow growing ground-covers are some of the plants BARRICADE should not be used around. The BARRICADE barrier sits high in the soil profile, very close to the soil surface. Plants which have the majority of their roots in the same area can be harmed. If in doubt, scratch around at the base of plants being considered for BARRICADE use, if there is a high concentration of roots already visible or revealed with minor surface disruption this indicates a risk is present and alternate weed control methods should be used.

Bedding plants and seasonal colour are the other situation in which caution should be used. In nursery use, the label provides clear guidance that BARRICADE should not be applied to newly potted transplants, divisions or struck cuttings.

The same guidance applies to small potted colour being planted into a bed for seasonal colour. In the short term these will have under developed root systems that are shallow in placement and are, therefore, potentially exposed.

Seed should not be sown into treated soil, and BARRICADE should not be applied to soil for which there is a plan to sow into in the next 6 months.

### Can I transplant or replant into treated soil?

Yes, with measures applied to address any root pruning that may occur post planting. The transplanted plant must have a root system that is significantly developed and sufficiently deep so it sits below a previously applied BARRICADE barrier, and bringing in fresh soil applied in a generous circumference around the new plant is critical. Any soil removed should not be applied to existing garden beds.

### Finally, when applying BARRICADE what sort of equipment can I apply the product with?

BARRICADE may be applied using high pressure multi-nozzle booms of various sizes or single nozzle wands. It is strongly encouraged that an assessment be made of foliar canopies and surrounding obstacles that could impact product delivery or applicator access to ensure an appropriate and safe method of application is selected. The goal is to have the product correctly placed to ensure performance.



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