

# Getting the most out of your Glyphosate

Whatever crop or pasture you plan on sowing this spring you will more than likely require a spray-out beforehand to kill undesirable grasses and broadleaf weeds.

This will also help with soil moisture conservation and assist plant establishment after sowing by reducing weed competition. Chemical weed control with glyphosate will also help reduce the need for excessive cultivation.

To get the most economical use out of your glyphosate follow these simple guidelines:



- 1) Graze or top old vegetation to promote new fresh growth. New fresh growth is the most efficient at uptake and translocating glyphosate down to the root system
- 2) Let the new growth reach 5 – 10cm before spraying. This may take up to 28 days at this time of year or as little as 14 days during the growing season. This growth will give the required leaf surface area to catch the chemical
- 3) Use 3 -6L Orion Glyphosate 360 in 150L/ha of water. Specific rates will depend on the target plants (see label). Some perennial weeds such as Kikuyu and Twitch may require more than 1 spray. It is important to use clean fresh water
- 4) An organosilicone penetrant such as Silmaxx should be added to the glyphosate to enhance penetration and uptake. Silmaxx can reduce the rain free period to 20 minutes with some glyphosate formulations. Use 100ml/100L water and add to the spray mix last when the tank is nearly full
- 5) If water quality is an issue or you require extra surfactant Synergy pH Buffer can be added to the mix. Rates depend on the hardness and pH of your water. When used at a rate of 60ml/100L or higher Synergy pH Buffer provides the added benefit of providing surfactant properties. The use of Synergy pH Buffer can reduce the required rate of penetrant in many situations. Always add Synergy pH Buffer to the water first
- 6) Grazing and cultivating can take place 3 days after application for annual weeds and 7 days for perennial weeds. To get the benefit of root breakdown for easier cultivation a minimum of 2 weeks is required after application.

Glyphosate is inactivated on contact with soil therefore has no residual activity. It also has a low toxicity to humans, animals and wildlife.

Specialty Seeds offer a range of glyphosate formulation including Turbo 300, Orion Glyphosate 360, and Deal 510.



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The guidelines above are for a basic spray out of run out pasture before cultivation. There are many variations to this including double sprays for direct drilling, chemical topping, post-harvest clean up, pre silage/hay spray, etc.

You can also mix other herbicides with glyphosate to increase performance against broadleaf weeds. Common companion herbicides include Banvel, Chord, Tillmate and Void. Common insecticides used at spraying out such as Chlor P and Cypher can also be tank mixed with glyphosate.

For further advice on any spray out situations [contact Specialty Seeds](#).



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