



## TECHNICAL UPDATE

# **BEST PRACTICE APPLICATION TO AVOID CROP DAMAGE** **CHATEAU® HERBICIDE**

### CROP SAFETY

Chateau has excellent crop safety when used as directed. The only way Chateau can cause damage to the crop is direct contact with roots, foliage or fruit. If Chateau is applied in accordance with the label directions this will not occur.

### CORRECT TIMING AND SPRAYER SET UP

Chateau is not volatile, so the most likely way for contact to occur is overspray or spray drift. This can be avoided by correct timing of application and correct sprayer set up. It is important to remember that equipment that has been previously set up, calibrated and used for applying other herbicides under trees and vines may be allowing spray to drift onto foliage or fruit. As damage from spray drift may be hard to pick up visually, depending on the herbicide used (e.g. glyphosate). Whereas Chateau drift may be visible as spotting.

### DUSTY SITUATIONS

The other way Chateau can come into contact with crops is through soil treated with Chateau being blown onto fruit and foliage. Under the right conditions this dust can cause spotting. Applying Chateau at the correct time in the correct conditions will ensure this does not occur.

### PLANTING INTO CHATEAU TREATED GROUND

Chateau will not move through the soil to contact crop roots, even in the case of feeder roots near the surface in light soils that maybe concentrated near irrigation drippers. However, contact could be made when planting new trees/vines into an area previously treated with Chateau. If replanting trees with 12 months of an application the top 3 cm of soil from a 0.5 m radius around the tree/vine must be removed before the hole is dug, and special care taken to ensure none of the surface soil ends up in the hole or contacting the new tree.

**To ensure correct application of Chateau please make note of the *RESTRAINTS* overleaf and refer to the label for more information.**



## BEST PRACTICE APPLICATION TO AVOID CROP DAMAGE WHEN USING CHATEAU HERBICIDE

### RESTRAINTS *(2018 updates are underlined)*

**DO NOT** apply by air.

**DO NOT** apply for residual weed control until the start of the main rain season when significant soil wetting rain has occurred and more rain (at least 15 mm) is likely within one week, or the soil can be irrigated within one week with sprinklers or microjets that cover the entire sprayed area. Dripper irrigation will not give adequate incorporation.

**DO NOT** apply in areas prone to strong winds or to powdery soils or soils that are susceptible to wind displacement unless sprinkler or microjet irrigation can be applied immediately after application to cover the entire sprayed area.

**DO NOT** apply to apples, pears and stone fruit in the period between bud break/ green tip and final harvest. Only apply to dormant trees.

**DO NOT** apply to grapes, citrus and olives in the period between flowering and final harvest.

**DO NOT** apply to grapes, citrus, olives and nut trees during the period after bud break, unless using shielded application equipment and applicator can ensure spray drift will not come in contact with crop fruit or foliage. Shielded applications during this time period should not be made with glyphosate or products containing glyphosate.

**DO NOT** apply unless trees and vines have low branches removed to prevent contact with the spray.

**DO NOT** operate machinery such as mowers and sprayers that may blow treated dust onto leaves and fruitlets until at least 15 mm of sprinkler or microjet irrigation has been applied to the entire sprayed area or 15 mm of rain has fallen.

**DO NOT** mow the treated area between application and final harvest unless the operator can ensure that any dust from mowing will not drift on to foliage and fruit. Raising the mower height will reduce this risk.

**DO NOT** apply to farm roads or tracks where vehicle traffic may result in treated dust settling on to foliage and fruit.

**DO NOT** apply to grapes, fruit or nut trees established in the vineyard/orchard for less than 1 year.

**DO NOT** apply on bark that is still green.

**DO NOT** use in vineyards or orchards where the fruiting buds are below 40 cm above the soil.

**DO NOT** apply to grapes that are not trellised or staked unless they are free standing.

**DO NOT** apply for residual control if a large population of big weeds is present or large amounts of trash – as these may prevent the chemical reaching the soil. Application over light trash should be followed by at least 15 mm of rain or sprinkler/microjet irrigation over the entire sprayed area within 12 hours to ensure good incorporation.

**DO NOT** replant dead trees or vines within 12 months of an application unless the top 3 cm of soil from a 0.5m radius around the tree/vine to be replaced is removed before the hole is dug. Then ensure when planting not to get any of this surface soil into the hole or up against the newly planted tree/ vine.

**DO NOT** apply in high pH water (pH >7) or allow the spray mix to stand overnight.

**DO NOT** disturb treated soil surface after application.

**DO NOT** treat weeds under poor growing or dormant conditions (such as occur in drought, waterlogging, disease, insect damage or following frosts) as reduced control may result. Weeds should be actively growing at time of treatment.

**DO NOT** apply by misting machines.

**DO NOT** apply more than 2 applications of 700 g in one year.

#### APVMA COMPLIANCE INSTRUCTIONS FOR MANDATORY COARSE OR LARGER DROPLET SIZE CATEGORIES

**DO NOT** apply with spray droplets smaller than a COARSE spray droplet size category according to 'APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories' located under GENERAL INSTRUCTIONS section of the label.

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about Chateau Herbicide