

# Chlorotoluron (CTU)

## Protect water to keep CTU as a control option

With the loss of IPU, increased usage of CTU is likely; unless extreme care is taken to protect water from CTU then there is a serious risk that its use will also be restricted.

## How does CTU get to water

All pathways matter. Follow basic water protection advice:

- Take care when filling and cleaning the sprayer.
- Use a 6m grass buffer strip or 5m no-spray zone adjacent to water courses.
- Do not apply when soils are cracked, dry or saturated.
- Manage soils and tramlines to avoid surface run-off or erosion.

## Aim for Early Application

- CTU works best when applied from pre-emergence to when weed seedlings are at the 1-3 leaf stage.
- Early autumn application protects water; there is less risk of heavy rainfall and more time for CTU to attach to soil particles.

## Dose - No more than 2,000g ai/ha per crop

- Check the required dose with your BASIS-registered adviser.
- Lower dose rates may give adequate control in partnership with other actives and will also reduce the risk to water.

## Rainfall and Drain Flow

- Apply CTU to moist soils; as a significant proportion of CTU will lock onto soil particles within 48 hours of application.
- Do not apply CTU if heavy rainfall is expected within 48 hours of application as this can lead to significantly higher losses to water.

## Priority Catchment Advice

Levels of CTU above the limit have been detected in a number of priority catchments. It is imperative to protect water quality in these catchments. Discuss with your adviser optimum use of CTU to avoid risks to water.

### Reducing the risk

- Always follow the advice on the left hand side of this sheet.
- If at least 6 of the following criteria are met, then the risks to water will be significantly reduced.

✓ or ✗

1. Soils are moist and not dry, cracked or saturated
2. Field drains are not flowing and are unlikely to flow within 7 days of application
3. Field slope is less than 5% (A 5% gradient is 1 metre fall in 20 metres)
4. The field is NOT bordered by a watercourse
5. CTU is being applied with another herbicide and the maximum dose of CTU applied to the crop is less than 1,500 g ai/ha
6. The field has a 6m grass buffer strip or a 5m no-spray zone adjacent to water
7. There are NO field drains in the field
8. The field has not been deep sub-soiled or mole-drained within the preceding 6 months
9. There is no risk of heavy rainfall within 48 hours of application