

# INFORMATION SHEET

# Colt<sup>®</sup>

## 360EC

### HERBICIDE

A selective post-emergent herbicide for grass weed control in BROADLEAF CROPS and FORESTRY.

### ACTIVE INGREDIENT

360 g/L clethodim in the form of an emulsifiable concentrate.

### PRODUCT ATTRIBUTES

Colt 360EC is a selective grass herbicide belonging to the cyclohexanedione (Dim) herbicide group.

Colt 360EC acts by inhibiting lipid synthesis. This compromises cell membrane integrity leading to death of susceptible grasses.

Colt 360EC can be used over many broadleaf crops. It has rapid uptake and is readily translocated from treated foliage to roots.

For best results apply to young actively growing grass weeds. Use lower rates on seedling grass weeds and higher rates on tillering plants or hardy rhizomatous grasses. On established sod-bound rhizomatous grasses and turf ryegrass in non-cultivated crops, suppression only may be obtained.

To minimise any possible crop damage, avoid spray overlaps.

**Always add an emulsifiable crop mineral oil such as Synoil™ at 2 L/ha with all applications.**

**Always refer to the product label before use.**



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# PLEASE READ THE LABEL COMPLETELY BEFORE USE

## DIRECTIONS FOR USE

For best results apply to young actively growing grass weeds. Do not apply to plants under stress from drought or waterlogging. Use the lower rate on seedling grass weeds (2 – 5 leaf) or actively regenerating rhizomes, and the higher rate on tillering plants or hardy rhizomatous grasses. On established sod-bound rhizomatous grasses and established turf ryegrass in non-cultivated crops, suppression only may be obtained. On crops which have been grazed, remove stock and allow grasses to freshen up for a few days (5 – 10cm new growth) before treating. To minimise any possible crop damage, avoid spray overlaps.

**Always add an emulsifiable crop mineral oil such as Synoil™ at 2 L/ha with all applications.**

## APPLICATION METHODS

Apply in 100 - 400 L of water per hectare. Use nozzles and pressures that produce a droplet size of 150 – 300 microns VMD. Use the high water rate for dense grass infestations.

## MIXING

Pour the correct quantity of Colt 360EC into a partly filled spray tank, then add the remaining water with agitation. Add the adjuvant last. The spray mixture should be kept continually agitated before and during spraying, and before spraying after stoppage.

## COMPATIBILITY

Colt 360EC is compatible with terbuthylazine e.g., Assett, and clopyralid, e.g., Void™. Do not apply in combination with other herbicides unless experience shows that efficacy is not affected. Do not apply within 7 days of phenoxy herbicides.

## RAINFALL

Do not apply if rain is expected within 1 hour of spraying.

## WITHHOLDING PERIOD

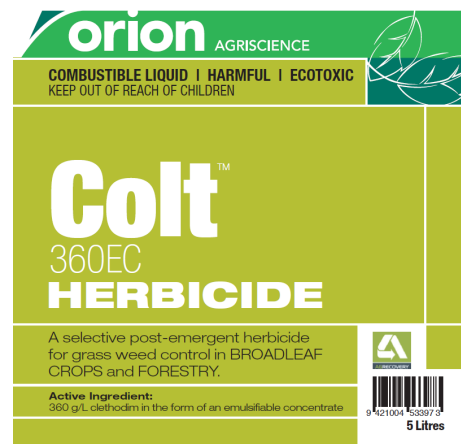
**It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residues Limits of Agricultural Compounds) Food Standards.**

Vegetable Crops	5 weeks
Legume Crops, Forage Herbs and Fodder Brassica Crops	3 weeks

## RESISTANCE MANAGEMENT

<b>GROUP</b>	<b>A</b>	<b>HERBICIDE</b>
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Colt 360EC contains clethodim, which belongs to the cyclohexanedione (DIM) chemical family. Colt 360EC has the inhibition of acetyl CoA carboxylase (ACCase) mode of action group. Some naturally occurring weeds may become resistant when excessive use of the same herbicide occurs. To prevent or delay the development of resistance, use in tank mixes and/or rotate use with herbicides with a different mode of action. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.



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Crop	Critical Comments
White Clover Seed	Apply after closing up, to control annual and perennial ryegrass and other grass weeds.
Legume Feeds (e.g. Lucerne, Lupins, Clover, Lotus, Trefoil)	To control annual and perennial ryegrass and other grass weeds.
Fodder Brassicas	Apply when grass seedlings are small (typically 3 – 6 weeks after planting) and well before canopy closure.
Forage Herbs (e.g. Plantain, Chicory)	To control annual and perennial ryegrass and other grass weeds. Do not apply Colt 360EC to plantain seed crops after flower heads are first visible in the base of the plants.
Orchards	To control actively growing grass weeds. Apply as a directed spray to the base of the trees to avoid fruit contact.
Vegetables	To control actively growing grass weeds. Do not apply more than 670 mL/ha. Crop safety has been demonstrated on onions, carrots and lettuce. Where crop safety is unknown, a small area should be treated before widespread application. NB: Asparagus – do NOT apply during the cutting period.
Peas, Lentils, Oilseed Rape	To control wild oats. Apply 170 mL/ha when the majority of oats are in the 2 – 5 leaf growth stage. A temporary effect on leaf colour and sheen may occur in peas. This does not affect crop vigour or yield.
Forestry (Radiata Pine, Macrocarpa, Douglas Fir)	Do not exceed 670 mL/ha. Tree Release – Spot treatment: Use 23 mL Colt 360EC plus 100 mL emulsifiable crop oil per 10 L of water. Apply 20 mL spray solution per square metre. To control broadleaf weeds and for residual control, apply in combination with terbuthylazine, e.g., Assett™ at recommended label rates.

## GRASSES CONTROLLED AND RECOMMENDED USE RATES

Always add an emulsifiable crop mineral oil such as Synoil™ at 2 L/ha with all applications.

Grass Species	Rates /ha
Wild oats, annual and perennial ryegrass, cocksfoot, banyard grass, summergrass, floating sweet grass, canary grass, bristle grass, volunteer cereals Note: Turf ryegrasses and tillered cereals will only be suppressed at these rates.	170 - 330 mL
Annual poa, smooth witchgrass, soft brome, phalaris, tall fescue, prairie grass, rigput brome, browntop, barley grass. Note: Chewings fescue, Yorkshire fog and hairgrass will be suppressed, but not controlled, at these rates.	330 - 670 mL
Couch, paspalum, Indian doab	1.3 – 2 L

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