

orion AGRISCIENCE



COMBUSTIBLE LIQUID | HARMFUL | ECOTOXIC
KEEP OUT OF REACH OF CHILDREN

ColtTM
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.



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5 Litres



PLEASE READ THE LABEL COMPLETELY BEFORE USE



HAZARD CLASSIFICATIONS: 3.1D, 6.1E, 6.3A, 6.4A, 6.9B, 9.1C, 9.2A, 9.3C

WARNING: FLAMMABLE, TOXIC, ECOTOXIC

Combustible liquid. May be harmful if swallowed, inhaled or absorbed through the skin. May cause skin and eye irritation. May cause liver damage following repeated ingestion at high doses. Harmful to aquatic organisms. Very toxic to some plant species (Selective herbicide). Harmful to terrestrial vertebrates.

PRECAUTIONS

APPROVED HANDLER: This product must be under the control of an approved handler during use.

STORAGE: Keep out of reach of children. Do not store near heat, flame or other source of ignition. Store in the original, tightly closed container, in a cool, well ventilated and secure area. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

PERSONAL PROTECTION: Avoid contact with eyes and skin. Avoid inhalation of vapour or spray mist. When mixing or applying, wear overalls, boots, gloves and eye protection. Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

USE: Avoid handling, mixing or use of the undiluted product or container near heat, flame or other source of ignition. Apply with well maintained and calibrated spray equipment.

DISPOSAL: Dispose of this product only by using in accordance with this label, or at a suitable landfill. Do not burn. Triple rinse container and add rinsate to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. Do not burn. Do not use container for any other purpose.

ENVIRONMENTAL: Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. Spray drift or equipment contamination may cause serious damage to desirable plants. Do not allow spray drift outside the target area to occur.

First Aid

If swallowed do not induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately for advice.

Emergency Response

In a transport emergency call **111, Police or Fire Brigade**. In a fire, evacuate and call **111 Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).

Spillage

Extinguish any ignition sources. Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in a waste container. Wash area with water and detergent, and absorb with further inert material. Dispose of safely to a suitable landfill.

Safety Data Sheet

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit www.orionagriscience.co.nz.

WARRANTY

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, No. P9502

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSN0 Act 1996, No. HSR100921

See www.epa.govt.nz for approval conditions.

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Batch No:

Date of manufacture:

COLT

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AGRISCIENCE

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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.

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 at recommended label rates.

COLT



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GRASSES CONTROLLED AND RECOMMENDED USE RATES

Grass Species	Rates /ha
Wild oats, annual and perennial ryegrass, cocksfoot, barnyard 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, ripgut 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

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 terbutylazine 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 Food Notice: Maximum Residue Levels for Agricultural Compounds.

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

RESISTANCE MANAGEMENT

GROUP A HERBICIDE

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.

