

orion AGRISCIENCE

DANGER
KEEP OUT OF REACH OF CHILDREN

ColtTM

360EC

HERBICIDE



A selective post-emergent herbicide for
grass weed control in BROADLEAF CROPS,
ORCHARDS, VINEYARDS, FODDER and
SUGAR BEET and FORESTRY

Active Ingredient:

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



9 421004 53397 3

5 Litres

PLEASE READ THE LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATIONS:

Flammable liquid Category 4, Aspiration hazard Category 1, Skin irritation Category 2, Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment chronic Category 3

DANGER: FLAMMABLE, TOXIC, ECOTOXIC

Combustible liquid. Maybe fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects. Very toxic to the soil environment. Harmful to terrestrial vertebrates.

PRECAUTIONS

HANDLING REQUIREMENTS:

Keep out of reach of children. Read carefully and follow all instructions. This product must only be handled, mixed and applied by a suitably qualified person as defined under the HPC notice 2017 Part 4C.

RECORD KEEPING:

Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3 L or more is applied within 24 hours and likely to leave the application area.

PERSONAL PROTECTION:

Avoid contact with eyes and skin. Avoid inhalation of vapour or spray mist. Avoid handling, mixing or use of the undiluted product or container near heat, flame or other source of ignition. 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.

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.

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 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 medical advice is needed have product container or label on hand. 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 HSNO Act 1996, No. HSR100921

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

COLT, SYNOIL, VOID are Trade Marks of Orion AgriScience Limited

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Distributor: Orion AgriScience Ltd, Unit 1, 15 Sir Gil Simpson Drive, Harewood, Christchurch 8053.

0800 674 6627

www.orionagriscience.co.nz

Batch No:

Date of manufacture:

COLT



AGRISCIENCE

0126

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DIRECTIONS FOR USE

Apply with well-maintained and calibrated spray equipment.

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.
Fodder beet, sugar beet	For best results apply when grass seedlings are small (typically 6-8 weeks after planting) and before canopy closure. Do not apply in tank mixture with other herbicides, fungicides or insecticides unless crop safety is known. Ensure thorough cultivation prior to sowing and do not use more than 1.3 L/ha.
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 and vineyards	To control actively growing grass weeds. Apply as a directed spray to the base of the trees or vines 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.

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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, riggut 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 PERIODS

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
Grapes	Do not apply after the start of flowering
Legume Crops, Forage Herbs and Fodder Brassica Crops	3 weeks
Fodder beet and sugar beet	9 weeks

RESISTANCE MANAGEMENT

GROUP	1	HERBICIDE
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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.