

DANGER
Keep out of reach of children

Clever 360

HERBICIDE

ACTIVE INGREDIENT:

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

Also contains 582 g/L dearomatised hydrocarbon solvent and 17.5 g/L calcium dodecylbenzene sulphonate.

A selective post-emergent herbicide for grass weed control in broadleaf crops and forestry.

Registered pursuant to the ACVM Act 1997, No. P10224

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

Approved under the HSNO Act 1996, HSR100921

See www.epa.govt.nz for controls.

IN A TRANSPORT EMERGENCY: CALL 111, POLICE OR FIRE BRIGADE



READ LABEL COMPLETELY BEFORE OPENING AND USING

GENERAL INFORMATION

Mixing: Half fill the spray tank and with the agitator operating and add the correct volume of **Clever 360**. Add the remainder of the water then add the adjuvant and agitate thoroughly before using. After standing, agitate spray solution well before reusing.

Compatibility: **Clever 360** is compatible with terbuthylazine and clopyralid. 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.

Equipment: Apply using well maintained spray equipment that is accurately calibrated to apply 100-400 litres 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. Clean equipment thoroughly after 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 (5–10 cm new growth) before treating. To minimise any possible crop damage, avoid spray overlaps. **Clever 360** is considered to be rainfast if applied at least one hour before rainfall.

Always add an emulsifiable crop mineral oil at 2.0 litres/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 Cleaver 360 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 Cleaver 360 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.

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, 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 – 2.0 litres

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residues Levels for Agricultural Compounds.

WITHHOLDING PERIOD:

Vegetable crops - 5 weeks.

Legume crops, forage herbs and fodder brassica crops - 3 weeks.

RESISTANCE MANAGEMENT

GROUP	1	HERBICIDE
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Clever 360 contains a herbicide from the cyclohexanedione group and has the inhibition of acetyl coA carboxylase mode of action. Some naturally-occurring weed biotypes resistant to **Clever 360** and other Group 1 Herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by **Clever 360** or other Group 1 Herbicides. Consult <http://resistance.nzpps.org/> for alternate modes of action and the details of resistance management strategies (if any).

CONDITIONS OF SUPPLY

READ THESE CONDITIONS OF SUPPLY BEFORE BUYING AND USING.

IF THESE CONDITIONS ARE UNACCEPTABLE, RETURN AT ONCE UNOPENED.

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 or registrants control. The manufacturer and registrant decline all liability for damage resulting from improper storage or use of the product.



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