

185 mm x 210mm

Keep out of reach of children

**AgSta** 

# Clever 360

## HERBICIDE

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

### ACTIVE INGREDIENT:

Contains 360g/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.

**Net contents: 20 L**



PLEASE READ THE LABEL COMPLETELY BEFORE USE

<b>HAZARD CLASSIFICATION</b> Flammable liquid Category 4, Aspiration hazard Category 1, Skin irritation Category 2, Eye irritation Category 2, Specific target organ toxicity (repeated) Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment (chronic) Category 3.
<b>FLAMMABILITY</b> Combustible liquid. Keep away from naked flame. No smoking. <b>TOXICITY</b> May be fatal if swallowed and aspirated into lungs. May cause skin and serious eye irritation. May cause liver damage from repeated oral exposure at high doses. <b>ECOTOXICITY</b> Harmful to aquatic plants and with long lasting effects. Very toxic to some plant species. Harmful to soil organisms and to terrestrial vertebrates. Do not apply onto or into water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. <b>QUALIFIED HANDLER</b> <b>Clever 360</b> must be under the personal control of a suitably qualified trained handler when mixing, loading or applying. <b>RECORD KEEPING</b> Records of use must be kept when 3 kg or more is applied within 24 hours in a place where the substance is likely to enter air or water and leave the application area. is kept for each application.
<b>HANDLING PRECAUTIONS</b> <b>PERSONAL PROTECTION</b> Avoid skin and eye contact and inhalation of spray mist. When mixing or applying wear eye protection, chemically resistant gloves and boots, and overalls. Do not eat, drink or smoke when using. Remove protective clothing and wash hands and face thoroughly before rest breaks, meals and after work. Clean contaminated clothing and equipment before re-use. <b>STORAGE</b> Keep out of reach of children. Do not store near heat or flame. Store in original container tightly closed and in a locked, dry, cool area away from sources of ignition and foodstuffs. Store in accordance with the current version of NZS 8409 Management of Agrichemicals. Stores containing 100 litres are subject to signage, 1000 litres or more require secondary containment and an emergency response plan. Stores containing 500 litres of <b>Clever 360</b> must have at least 2 fire extinguishers. <b>SPILLAGE AND DISPOSAL</b> Avoid contamination of any water supply with product or empty container. Extinguish all ignition sources, exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill. <b>Product Disposal-</b> Use in accordance with this label, or at an approved landfill, or other approved facility. Do not burn. <b>Container Disposal-</b> Triple rinse container and add rinsate to the spray tank. Dispose of container through an agricultural recycling scheme, or crush and bury in a suitable landfill. Do not burn. Do not use container for any other purpose.

**FIRST AID** For advice contact the National Poisons Centre 0800 POISON (0800 764 766) (24hrs) or a doctor. If swallowed do NOT induce vomiting. Rinse mouth. Get immediate medical advice. If risk of spontaneous vomiting, keep head below hips to avoid aspiration into lungs. If splashed in eyes, wash out immediately with running water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. If skin or hair contact occurs, remove contaminated clothing and wash affected area with soap and running water. If skin irritation occurs, get medical attention. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult.

**EMERGENCY RESPONSE** In a transport emergency call 111, Police or Fire Brigade.

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.

**WITHHOLDING PERIOD** Vegetable crops - 5 weeks; Legume crops, forage herbs and fodder brassica crops - 3 weeks.

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 <b>Clever 360</b> 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 <b>Clever 360</b> 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	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.**

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.

Registered pursuant to the ACVM Act 1997, No. P10224,See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions. Approved under the HSNO Act 1996, HSR100921,See [www.epa.govt.nz](http://www.epa.govt.nz) for controls.

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Batch No.  
Date of Manufacture

