

Keep out of reach of children
ECOTOXIC



Knock out 360

HERBICIDE

A water soluble herbicide for
non-selective control of many
annual and perennial weeds.

ACTIVE INGREDIENT:

Contains 360g/litre glyphosate as the isopropylamine
salt in the form of a soluble concentrate.

Net contents: 20 L



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PLEASE READ THE LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATION: Hazardous to the aquatic environment (chronic) Category 2.

ECOTOXICITY Toxic to aquatic organisms and with long-lasting effects. Do not allow spray drift over aquatic environments. Avoid contact with foliage or green stems of fruit crops, desirable plants and trees. Spray drift may cause serious damage to desirable plants. Aerial application is recommended in non-crop areas only.

QUALIFIED HANDLER This product must be under the personal control of a suitably qualified handler when being applied into or onto water and the water has the potential to leave the place containing the application area.

HANDLING PRECAUTIONS

PERSONAL PROTECTION Avoid contact with skin, eyes and inhalation of spray mist. When handling wear protective clothing such as waterproof gloves, overalls and boots. Wash splashes of concentrate from skin and eyes immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Do not eat, drink or smoke while using. Clean protective clothing and equipment before re-use.

STORAGE Keep out of reach of children. Store in accordance with the current version of NZS 8409 Management of Agrichemicals. Store in original container tightly closed in a secure, dry, cool area away from foodstuffs, fertilizers and seeds. Stores containing 1000 L or more are subject to signage, secondary containment and an emergency response plan.

SHELF LIFE 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 any product that is older than this.

EQUIPMENT Apply using well maintained and accurately calibrated equipment. Flush equipment thoroughly with clean water after use. Decontaminate equipment before use on another crop. Do NOT mix or store this product in galvanized or unlined steel (except stainless steel) containers or spray tanks. The concentrate or solutions of may react with such containers to produce a highly flammable gas which may flash or explode if ignited.

RECORD KEEPING Records of use as described in NZS 8409 Management of Agrichemicals must be kept.

SPILLAGE AND DISPOSAL Avoid contamination of any water supply with chemical or empty container.

COLLECT SPILLAGE In case of spillage, wear appropriate protective clothing and prevent material from entering waterways. Exclude non-essential people from the area. Contain liquid spills and absorb with inert material such as soil or sand and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

PRODUCT DISPOSAL Dispose of product only by using according to label directions or dispose of safely at a managed landfill.

CONTAINER DISPOSAL Triple rinse container with water and add rinsate to spray tank. Triple rinsed containers may be taken to an agricultural chemical collection site for disposal. Otherwise crush or puncture and bury in an approved landfill. Do not burn container. Do not use container for any other purpose.

FIRST AID If swallowed do NOT induce vomiting. Rinse mouth. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water. Get medical attention if irritation persists. If inhaled, move the patient to fresh air immediately.

SPRAYER DECONTAMINATION

Always wash tank and flush equipment thoroughly with clean water after use. To avoid subsequent injury to sensitive crops, immediately after spraying thoroughly remove all traces of product from mixing and spraying equipment as follows:

1. Drain tank, then flush tank, booms and hoses with clean water.
2. Half fill the tank with clean water and add 125 g of an alkali detergent per 100 L water. Circulate through the system for at least 15 minutes with agitation then drain.
3. Drain the whole system.
4. Nozzles and filters should be removed and cleaned separately.
5. Finally, rinse tank thoroughly with clean water, flush through hoses and boom and allow to drain.

GENERAL INFORMATION

Knock out 360 is a broad spectrum, non-selective, non-residual, foliar absorbed and translocated herbicide for control of emerged weeds only. It is deactivated immediately upon contact with the soil and will not provide residual weed control.

Plants should have sufficient leaf area for uptake, be actively growing, free of stress with clean foliage at time of spraying. Do not treat plants that are silt laden or affected by drought, frost, water logging, grazing, or previous herbicide application.

The effects of **Knock out 360** may not be apparent for 3-7 days depending on weather conditions, weed species and the herbicide rate used. Some perennial weeds may not show effects for 14-21 days.

Cultivation may start from 1 day after spraying on annual weeds and 3 days after spraying perennial weeds. Cultivation should occur within 21 days of spraying.

Reduced results may occur if dirty water (e.g. from ponds), hard water containing calcium salts or water containing metal ions (e.g. iron) is used. If hard water cannot be avoided, the addition of a recommended surfactant is advised.

A penetrant may be used with **Knock out 360** to increase the rate of uptake into certain weeds.

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.

WITHHOLDING PERIOD

Wheat, barely, oat grain: 7 days

Animal safety

A withholding period for stock grazing is not required except for where ragwort and other poisonous weeds are present. Stock should be withheld from the treated area until these plants brown out. In all other situations, it is recommended that cultivating or grazing treated areas is delayed for 1 day for annual weeds and 3 days for perennial weeds to ensure full uptake and translocation. For brushweed control, wait for stem dehydration before burning or slashing.

RAINFALL

Rain occurring up to 2 hours after application may reduce effectiveness. When an organo-silicone penetrant is added the rainfall period is reduced to 20 minutes. Do not apply to wet plants as the efficacy may be reduced.

APPLICATION

Do not apply **Knock out 360** at more than 20 L /ha (equivalent to 7.2 kg glyphosate acid/ha).

BOOM EQUIPMENT Knock out 360 can be applied in spray volumes up to 200 L per hectare using fan nozzles at pressures in the range of 200-280 kPa. Boom height should be set so a double overlap of nozzle pattern is achieved at the top of the target plants.

AERIAL EQUIPMENT Application should be made to forestry and non-crop areas only. **Knock out 360** can be applied by aircraft in spray volumes of up to 100 L per hectare. Increase the spray volume in hilly terrain to ensure maximum target contact.

HANDGUN AND KNAPSACK Ensure a fine spray pattern to give complete coverage. For handguns use pressures of 1000-2000kPa and No.4 to No.6 spray tips.

MISTBLOWER Refer to table.

WIPER EQUIPMENT Mix only enough for immediate use, mixing a 33% solution (1 part **Knock out 360** with 2 parts water). Plants must be clean and dry and the wiper fully saturated. Apply up and down slopes for effective applications. High weed density: reduce speed and apply twice in opposing directions.

MIXING AND COMPATIBILITY

Half fill the spray tank with clean water and add the required amount of **Knock out 360**, agitate and continue to fill the tank. If a penetrant is required, add this last to minimize foaming. Agitate well before spraying. When tank mixing with other herbicides, ensure these are fully dispersed before adding **Knock out 360**. Be sure to observe all precautions, especially plant back periods when using other herbicides. Use tank mixes promptly. **Knock out 360** is compatible with most commonly used herbicides.

RESISTANCE MANAGEMENT

GROUP	9	HERBICIDE
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Knock out 360 contains the GROUP 9 herbicide glyphosate. 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).

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. P10204, see www.foodsafety.govt.nz for registration conditions. HSNO Act 1996, Approval Code: HSR101102, see www.epa.govt.nz for Controls.

Registrant: AgStar New Zealand Pty Ltd
4 Putakitaki Street, Lincoln, 7608
Tel 027 483 9756



Distributed by: Farmlands Co-operative Society Limited
535 Wairakei Road, Burnside, Christchurch 8053
TEL: 0800 200 600

Batch No.
Date of Manufacture
For more information, see www.agstar.co.nz

PEEL
HERE

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