

**HARMFUL, ECOTOXIC**  
**KEEP OUT OF REACH OF CHILDREN**

# Beetrix



**HERBICIDE**

**Contains:** 50g/litre ethofumesate plus 150 g/litre metamitron plus 50 g/litre phenmedipham in the form of a suspension concentrate

**For broadleaf weed control in fodder beet,  
red beet and sugar beet**



PLEASE READ THE ENTIRE LABEL BEFORE MIXING OR USE. SHAKE OR STIR WELL BEFORE USE.

**HAZARD CLASSIFICATION:** 6.1D, 6.5B, 6.9B, 9.1B, 9.2B

**WARNING:** This product may be harmful if swallowed, inhaled or absorbed through the skin. May cause skin sensitization from prolonged skin contact. May cause organ damage from repeated oral exposure at high doses.

**FIRST AID:** If swallowed do NOT induce vomiting. 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. DO NOT scrub the skin. If splashed in eyes, wash out immediately with water for at least 15 minutes.

**PERSONAL PROTECTION:** Avoid skin and eye contact and inhalation of spray mist. When mixing or applying wear waterproof gloves, eye protection, boots and overalls. Do not eat, drink or smoke while using. Wash splashes of concentrate from skin immediately. Ensure adequate ventilation when handling the concentrate. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

**ECOTOXIC:** Toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Very toxic to the soil environment via herbicidal properties.

**STORAGE:** Store in original container, tightly closed and in a dry, cool area away from foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals.  
**DISPOSAL:** Triple rinse empty container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury in an approved landfill. Dispose of product only by using according to this label, or at an approved disposal facility.

**MATERIAL SAFETY DATA SHEET:** Additional information is listed in the MSDS available from Zelum Ltd or www.zelum.com.

Approved pursuant to the HSN0 Act 1996, No HSR100524. See www.epa.govt.nz for approval conditions.

Registered pursuant to the ACVM Act 1997, No. P008612 See www.foodsafety.govt.nz for registration conditions.

**GENERAL INFORMATION:** Beatrix contains three active ingredients for weed knockdown and short term residual activity. It is designed for multiple use sequential spraying in a weed control program. It is absorbed through the roots and the leaves of weeds and translocated to the target sites. Weeds typically stop growing before turning yellow after 5 to 7 days and then rapidly die down.

**SUSCEPTIBLE WEEDS:** Redroot amaranthus, prostrate amaranthus, black nightshade, cleavers, fathen, hairy nightshade, hedge mustard, scrambling speedwell, stinging nettle, stinking mayweed, shepherds purse, storksbill, vervain, wild portulacca, willow weed. The following weeds will be suppressed at label rates: field pansy, twincrest, little flowered mallow, variegated thistle, wireweed and any plants listed above growing from root chips e.g. prostrate amaranthus.

**DIRECTIONS FOR USE:**

For weed control in red beet (beetroot), fodder beet, sugar beet.

SITUATION	RATE/HA	CRITICAL COMMENTS
Pre crop emergence	4.0 - 6.0 litres/ha	Apply any time after sowing. Use the low rate only in light soils or when a low weed population is expected. Follow up with a post emergence program.
Post crop emergence to canopy closure	3.0 – 5.0 litres/ha <b>Apply a maximum of 15 litres/ha per season.</b>	Apply to weeds in active growth. Use up to four sequential applications at 7 to 14 day intervals as weeds emerge irrespective of crop growth stage. Use the lower rate on weeds at cotyledon to two true leaf stage. Use the higher rate when weeds are older or the population is dense. When weeds are beyond the 6 leaf stage control will require repeat doses and suppression may only be achieved. Adequate soil moisture both before and after application will improve control. Avoid application onto crops stressed due to drought, nutrient deficiency or other factors or following a frost as crop damage may occur.

**MIXING:** Pour the correct amount of Beatrix into the partly filled tank, and while agitating add the remainder of the water. Maintain agitation during spraying and any stoppages. Only mix sufficient spray for immediate use and avoid storing.

**ADJUVANTS:** Beatrix contains surface active agents and does not normally require the addition of further surfactants or spraying oils.

**COMPATIBILITY:** Beatrix is compatible with chloridazon and clopyralid. Comply with the tank mix herbicide directions for use. Otherwise apply Beatrix alone unless experience shows the mix to be safe. Beatrix is compatible with likely fungicide and insecticide tank mixes but avoid these mixes before the crop has reached the four true leaf stage.

**APPLICATION:** Apply Beatrix via conventional boom spraying equipment that is well maintained and calibrated and set up to achieve complete coverage of all weeds. Use an appropriate water rate for the weeds present but use a minimum of 200 litres/ha.

**RAINFALL:** Delay treatment with Beatrix if rain is likely up to three hours after spray has dried on the foliage.

**SPRAYER CLEAN-UP:** To avoid injury to subsequently sprayed sensitive crops, flush sprayer with several rinses of clean water after use.

**It is an offence for users of this product to cause residues exceeding the relevant MRL in New Zealand Food standards (Maximum residue Limits of Agricultural compounds).**

**WITHHOLDING PERIODS:** Fodder and sugar beet: 98 days. Beetroot: 49 days.

**RESISTANCE MANAGEMENT:** GROUP C1+N HERBICIDE

Metamitron is a triazinone herbicide and phenmedipham is a phenyl-carbamate herbicide both having the inhibition of photosynthesis at photosystem II mode of action. Ethofumesate is a benzofuran herbicide with the non ACCase inhibition of lipid synthesis mode of action. Despite having two modes of action in Beatrix certain individual biotypes may become resistant.

To minimise the risk of these weeds dominating the population use strictly in accordance with the label directions and use herbicides from alternative mode of action groups at other times.

**NOTICE TO BUYER:** The manufacturer and vendors of Beatrix warrant the formulation to contain the specified active ingredient within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not.