

DANGER

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Spark®

HERBICIDE

Contains: 300 g/litre desmedipham in the form of an emulsifiable concentrate

**To enhance the control of certain weeds in
fodder beet and sugar beet when used in
tank mix with Beatrix**

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Approved pursuant to the HSNO Act 1996, No HSR101367. See www.epa.govt.nz for approval conditions.
Registered pursuant to the ACVM Act 1997, No P009709. See www.foodsafety.govt.nz for registration conditions.

Lonza

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



HAZARD CLASSIFICATION: 6.1C, 6.3A, 6.4A, 6.5B, 6.9B, 9.1A, 9.2A, 9.3C

TOXIC: Toxic if swallowed. Toxic in contact with skin. Causes skin irritation. Causes eye irritation. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Causes severe skin burns and eye damage.

FIRST AID: IF SWALLOWED: Immediately call a POISON CENTRE or a doctor. Rinse mouth.

Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water [or shower]. Call a POISON CENTER or doctor/physician if you feel unwell. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

PERSONAL PROTECTION: Wash hands after handling. Do not eat, drink or smoke while using this product. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not breathe mist/vapours/spray.

ECOTOXIC: Very toxic to aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container. Very toxic to the soil environment via herbicidal properties. Harmful to terrestrial vertebrates.

STORAGE: Store locked up. Store in original container, tightly closed and in a dry, cool well-ventilated area away from foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals.

DISPOSAL: Triple rinse empty container placing rinse water in the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot or crush and bury in an approved landfill. Dispose of product only by using according to this label, or at an approved landfill or disposal facility.

SPILLAGE: Wear appropriate protective clothing. Exclude all bystanders from the vicinity of the spill, and prevent material from entering waterways. Contain liquid spills and absorb 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.

SAFETY DATA SHEET: Additional information is listed in the Safety Data Sheet available from Lonza NZ Limited or www.lonza.co.nz

QUALIFICATION REQUIREMENTS: Persons mixing, loading, applying, or otherwise handling SPARK must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.

RECORD KEEPING: Records of use must be kept in accordance with the Health and Safety at Work (Hazardous Substances) Regulations 2017.

TRANSPORT: Do not carry more than 1 litre on a passenger service vehicle.

HSNO ADDITIONAL CONTROLS: This substance must be applied using ground-based methods only. The maximum application rate for SPARK is 4.8L/ha (corresponding to 1.44 kg/ha desmedipham) per year.

GENERAL INFORMATION: SPARK is a post emergence, knockdown herbicide that improves control of weeds that are either larger or are harder to control species when tank mixed with Beatrix in fodder beet and sugar beet.

SUSCEPTIBLE WEEDS: When tank mixed with Beatrix, SPARK will improve the control of the following weeds; Amaranthus, Fathen, Spurrey, Nightshade, Willow weed, Speedwell, Seedling Docks, Henbit and Shepherd's purse over and above that expected with Beatrix alone.

DIRECTIONS FOR USE:

For weed control in fodder beet, sugar beet.

CROP	GROWTH STAGE	RATE/HA	CRITICAL COMMENTS
Fodder beet	Two to four true leaves	0.6 to 1.2L	Apply to young, actively growing weeds in tank mixture with Beatrix. Use the higher rate when weeds are above the 6 leaf growth stage. Weeds past this growth stage may have variable control. Re-apply as required. Damage may occur in the form of suppression and leaf necrosis on younger crop stages, especially at the higher rates.
Sugar beet	After the four true leaf stage	1.2 to 2.4L	

MIXING: Pour the correct amount of SPARK 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: SPARK does not normally require the addition of further surfactants or spraying oils.

COMPATIBILITY: SPARK is fully compatible with Beatrix. SPARK is physically compatible with Versatil PowerFlo (clopyralid), clethodim, Boron 150, and Goltix (metamitron). Crop safety of these mixtures is not proven and it is advised to try a small area before full scale use. Comply with the tank mix product directions for use and fully disperse one product before adding the next one to the tank. Observe all other directions for use for Beatrix and any other tank mixing partners.

APPLICATION: Apply SPARK via conventional ground based 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. Do not apply by air.

RAINFALL: Delay treatment 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.

RESISTANCE MANAGEMENT: **GROUP C1 HERBICIDE**

Desmedipham is a phenyl-carbamate herbicide having the inhibition of photosynthesis at photosystem II mode of action. 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.

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 PERIODS: Fodder and sugar beet: 98 days.

NOTICE TO BUYER: The manufacturer and vendors of SPARK 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.

REGISTERED TO: Lonza NZ Limited, Hudson Rd, New Plymouth, New Zealand.

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D.O.M:
BATCH NO:



SPARK 200106