



Action, SC

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suspension concentrate

ethofumesate 500 g/l

Herbicide for controlling annual dicotyledonous and grass weeds on sugar beet plantings and white lupine

Advantages:

- High biological effect to control weeds having a strong wax protective layer (for example, *Chenopodium album*)
- Reliable control of annual dicotyledonous weeds, including green amaranth and some grass weeds
- Weed penetration both through leaves and roots

Action

Mode of action

Ethofumesate impairs mitosis in weed cells. It penetrates plants predominantly via their root systems and then translates through the stalk to their

leaves. It inhibits the Hill reaction during photosynthesis. The action is function of soil humidity and organic contents in soil. Adequate soil humidity and low organic content are positive factors.

Protective period

Until the next wave of weeds, which is dependent on weather conditions in the year of application. The preparation affects weeds present in the plantings during spraying.

Speed of action

The preparation has a systemic effect. Visible signs of herbicide action appear depending on weather conditions on 4th to 8th day after application.

Compatibility with other preparations

The preparation has a good compatibility with most herbicides: Healer, OEC; Censor, EC; Forward, OEC; Mitron, SC; Lornet, SL; Betaren 22, OEC; Betaren Super MD, OEC; Betaren Express AM, EC. In each specific case, the components to be commingled shall be checked for physical and chemical compatibility.

Spectrum of action

The herbicide preparation for beet plantings is intended to control annual dicotyledonous weeds, including amaranth and some species of annual grass weeds.

Usage regulations

Crop	Harmful object	Consumption rates of preparation, l/ha	Consumption rates of working liquid, l/ha	Method, treatment time, and application features. Period of manual (mechanized) work	Safety intervals (treatment frequency)
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Sugar beet	Annual dicotyledonous (including amaranth species) and some annual grass weeds	1.0-2.0	100-200	Successive spraying of plantings upon sprouting of 1st, 2nd and 3rd wave weeds (at seed leaf stage for dicotyledonous weeds and at one leaf stage for grass weeds) from the fork phase to closing of beet rigs.	60(2)
White lupine	Annual dicotyledonous (including amaranth species) and some annual grass weeds	1.5-2.0	200-300	Spraying of plants in phase 1-4 leaf stage and earlier stages of weed growth	-(1)

Product application features

The product is not phytotoxic when applied at the recommended rates for sugar beets.

On white lupine, under unfavorable conditions, growth suspension and «curling» of apical leaves at the time of treatment may occur; later, marginal leaf scorch and reduced plant height may be observed. However, after some time, the growth of white lupine is restored, new leaves emerge, and the lack of competition from weeds can help boost yields.

Do not apply the product during stress situations (frost, hail damage, insect damage, etc.), or when temperatures exceed 25 °C.

Mix preparation method

Prepare the mix immediately before use. Dose the preparation for a single fill of the sprayer. Then prepare the mix as follows: Fill the sprayer tank to about its half with water, add the required herbicide dose and top up with water until full while continuously stirring using hydraulic agitators. Rinse the empty tank several times with water that is then poured into the sprayer tank. Prepare the herbicide mix and fill the sprayer on dedicated sites that are disinfected afterwards.

Use commercially available ground-based boom sprayers provided with slit-type nozzles for herbicide application.

Phytotoxicity

ACTION, SC (500 g/l) is quite selective and normally does not affect sugar beet plantings when used in accordance with the proposed regulations.

Potential for resistance

Not observed.

Usage regulations

Application time for machinery assisted operations – 3 days

General information

Storage conditions

Keep the preparation in a room dedicated for pesticide storage. Temperature range is minus 10 °C to plus 35 °C. Stir before use

Hazard Class

Hazard Class 3, moderately hazardous substance

Shelf life

3 years

Packing

10 liter PE container

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia