



Estamp, EC

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emulsion concentrate

pendimethalin 330 g/l

General-purpose pre-emergence herbicide intended to control annual grass and dicotyledonous weeds on agricultural crop plantings.

Advantages:

- Excellent efficiency in controlling a wide range of annual grass and dicotyledonous weeds
- Used for soil treatment before crop emergence, thus eliminating competition with weeds at earlier stages of crop growth
- Prolonged protective period
- High and steady efficiency in various soil and climatic conditions

Action

Mode of action

Pendimethalin absorbed by roots and plantlets restrains cell division and growth in meristems of sensitive weeds. Treated weeds perish soon after emergence or after sprouts crop out. Emergence itself is not inhibited.

Protective period

Depending on soil and climatic conditions - 8 to 10 weeks, throughout the vegetation period virtually.

Speed of action

Weeds die at the emergence stage. Sprouts die in 3 or 4 days.

Range of inhibited weeds

Annual grass and dicotyledonous weeds

Sensitive species: speedwell (species), pepper plant (species), charlock, bur grass, satin flower, common orach, copper rose, pigweed (species), loose silky bent, rough-stalked bluegrass, field scorpion grass, sow thistle (species), caseweed, field chamomile, wild radish, mayweed, sorgho (species), field pansy, foxtail (species), amaranth (species).

Moderately sensitive species: common fumitory, velvetleaf, foxtail grass, houndsberry, catch weed, crabgrass, day-nettle.

Usage regulations

Crop / object of treatment	Harmful plants	Preparation consumption rate, l/ha	Mix consumption rate, l/ha	Method, time and conditions of application. Application time for manual (machinery assisted) operations	Wait time (application frequency)
Onion (except when for green sprouts)	Annual grass and dicotyledonous weeds	2.3-4.5	200-300	Soil treatment before crop emergence 7(3)	60(1)

Sunflower	Annual grass and dicotyledonous weeds	3.0-6.0	200-300	Soil treatment before crop emergence 7(3)	60(1)
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Application technique. Mix preparation method

Fill the sprayer tank with water to 1/3 and slowly add the required preparation dose. Stir the mix by turning the sprayer agitator on. Top up to the required mix volume and again turn the agitator on for 10-15 min. During treatment, the hydraulic agitator of the sprayer shall be kept going. Use the prepared mix immediately after preparation. After treatment with the herbicide, thoroughly rinse the sprayer tank with water and soda ash.

Use ground-based boom sprayers OSh-15-01, OPV-1200-01, ON-400, OP-2000-2-01, or similar.

Prepare the mix and fill the sprayer on dedicated sites that are disinfected afterwards.

Compatibility

Not required, general-purpose herbicide.

Potential for resistance

None.

Phytotoxicity

When used with recommended consumption rates, no adverse effect are exercised on crops protected.

Recommendations on protection of valuable flora and fauna objects

The preparation is of low hazard to bees and fish – Hazard Class 3.

Basic provisions of the 'Guidelines for preventing bee poisoning with pesticides' and following environmental regulations:

treat plants at wind speed up to 4 or 5 m/sec;

protection boundary zone for bees – min. 2-3 km;

bee's flight time limitation – 3-4 hours.

Warn apiary owners 4 or 5 days before treatment.

Do not use the preparation in private farms, by aerial method and within the sanitary zone of fishery water bodies 500 m away from the flood line in case of maximum floodwater level, but not closer than 2 km to the existing banks.

General information

Chemical class

dinitroanilines

Transport and storage conditions

Comply with all conventional rules of toxic and explosive substance transport. Keep the preparation in a room dedicated for pesticide storage.

Storage temperature range - minus 15 °C to plus 40 °C. Stir before use.

Shelf life

5 years

Hazard class

Hazard class 3, moderate hazard

Packing

10 liter PE container

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia