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Ovsugen Express, EC

emulsion concentrate

fenoxaprop-P-ethyl 140 g/l + antidote 35 g/l

Selective herbicide of systemic effect intended for postemergence treatment of spring and winter wheat against annual grass weeds.

Advantages:

- Highly efficient graminicide for wheat
- High selectivity with regard to crops treated
- Wide range of application periods regardless of crop growth phases
- Fast and strong effect through aboveground parts of the plant

Action

Mode of action

The preparation is absorbed by aboveground organs of the plant within 1-3 hours after application and accumulates in growing points. This causes necrosis of growing points, which results in growth arrest and weed death.

Protective period

Throughout the vegetation period. The preparation has a herbicidal effect on sensitive grass weeds present in plantings during treatment and does not affect those emerging after treatment (2^{nd} wave of weeds).

Speed of action

Visible signs of effect appear in 3 to 7 days. Grass weeds perish totally in 10 to 15 days after treatment depending on weather conditions.

Action spectrum

Annual weeds, including oat grass, foxtail species, barnyard grass, weed millet, silky bent grass, bluegrass, common bunting, etc.

Compatibility

Compatible with most herbicides, fungicides, insecticides, growth regulators, and mineral fertilizers applied to agricultural crops. In each specific case, the components to be commingled shall be checked for physical and chemical compatibility.

Potential for resistance

None.

Usage regulations

Crop / object of treatment	Harmful object	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)

Spring wheat	Foxtail species	0.4 0.4 (A)	100-200 25-50	Planting spraying over vegetating weeds starting from 2 leaves stage to end of tillering (regardless of crop growth stage) -(3)	60(1)
	Annual grass weeds (foxtail species, barnyard grass, weed millet, oat grass, etc.)	0.4-0.6 0.4-0.6(A)	100-200 25-50		
		0,3	100-200	Planting spraying over vegetating weeds, at earliest ages of their growth – 2-3 leaves (regardless of crop growth stage) using mix with 200 l/ha of surfactant Satellite, L -(3)	

Winter wheat	Annual grass weeds (foxtail species, barnyard grass, weed millet, oat grass, corn grass, etc.)	0.4-0.6 0.4-0.6(A)	100-200 25-50	Planting spraying in spring starting from 2 leaves stage to end of tillering of annual grass weeds (regardless of crop growth stage) -(3)	
		0,3	100-200	Planting spraying in sprig over vegetating weeds, at earliest ages of their growth – 2-3 leaves (regardless of crop growth stage) using mix with 200 l/ha of surfactant Satellite, L -(3)	

(A) – aerial treatment

Application technique. Mix preparation method

Prepare the mix immediately before use.

For ground treatment:

Fill the sprayer tank with water to 3/4 of its volume, slowly add the entire preparation dose while stirring, and rinse the container with preparation remainders several times with water. Pour water after rinsing the preparation container to the sprayer tank and top up with remaining water until full while continuously stirring.

For aerial treatment:

Fill the refilling unit tank with water to 1/2, add the required preparation dose and top up the tank with water until full while continuously stirring it.

As the aircraft approaches the area of treatment, turn the hydraulic agitator on to additionally stir the mix (hydraulic agitator working time min. 2 minutes).

Mix preparation and filling into sprayers tanks of an An-2 plane shall be carried out with engine stalled and additional mix cleaning using ground-based filters.

Prepare the mix and fill the sprayer on dedicated sites, fill the refilling unit on fixed refilling stations (SEZ-10) that all are disinfected afterwards.

Recommended equipment:

For ground treatment – ground-based boom sprayers OPSh-15-01, OP-2000-2-01, Amazone 3000, or similar.

For aerial treatment – An-2 plane or Mi-2 helicopter.

Sprayers shall be setup, adjusted and spray nozzles installed in accordance with the Operation Manual for aircraft based spraying equipment.

The best result and quickest herbicide action of the preparation are achieved by:

— treatment at earlier stages of grass weed growth (starting from 2 leaves);

— optimal selection of application periods (when the bulk of annual grass weeds emerge);

— treatment under weather conditions favorable for plant growth and development.

Phytotoxicity

No cases of phytotoxicity to crops were recorded when recommendations on preparation application timing and rates were met. Do not apply on plantings weakened by frosts, heat, and pests.

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 in morning and evening.

For ground application:

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.

For aerial application:

treat plants at wind speed of 0 m/sec;

protection boundary zone for bees – min. 5-6 km;

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

Warn apiary owners 4 or 5 days before treatment.

The preparation may be used within the sanitary zone of fishery water bodies.

General information

Chemical class

aryloxyphenoxypropionates + antidote

Transport and storage conditions

Keep the preparation in a dry room dedicated for pesticide storage.

Storage temperature range

minus 10 C to plus 30 C

Shelf life

2 years

Hazard class

Hazard class 3, moderate hazard.

Packing

5, 10 liter PE container

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia