



Argo, ME

microemulsion

fenoxaprop-P-ethyl 80 g/l + mefenpyr-diethyl 30 g/l + clodinafop-propargyl 30 g/l

Systemic herbicide in the innovative formulation to protect crops of spring and winter wheat against grass weeds.

Advantages:

- Maximum herbicide effect attained by the combination of two active synergetic ingredients
- High rate of weed penetration and high initial activity due to microemulsion formulation
- High selectivity for the crop without phytotoxic effect due to antidote action
- A wide application window regardless of the crop development phase
- Good compatibility in tank mixtures with anti-dicotyledon preparations

Action

Mode of action

Fenoxaprop-P-ethyl is effective against grass weeds. Quickly absorbed by leaves, fenoxaprop-P-ethyl moves in the basipetal and acropetal

directions to various plant organs. In growth zones of grass weeds, the synthesis of cell membranes ceases. A day after the treatment, the preparation weakens weeds. Clodinafop-propargyl inhibits lipid biosynthesis. Mefenpyr-diethyl is not only an antidote for cultivated crops, but acts also as a synergist in combination with fenoxaprop-P-ethyl. Mefenpyr-diethyl eliminates the phytotoxic effect of fenoxaprop-P-ethyl on some crops, and in addition to crop protection it increases the level of weed suppression (in particular, black foxtail).

Protective effect period

Throughout the growing period. The product is effective against the weeds present in the crops at the time of treatment for 3–4 weeks. Thus, the second wave of weeds cannot seriously compete with the crop.

Rate of exposure

The product quickly penetrates the leaves of weedy plants, and the weed-crops competition can be significantly reduced almost in 24 hours. However, weed grass plants completely die in 10–15 days or later depending on the weather conditions. The fastest herbicidal action is achieved when treating weed grass plants at the early stages of development (at the growth stage of 2–3 leaves) and under favorable growth conditions (at optimum humidity and temperature).

Spectrum of action

Annual grass weeds, such as wild oat (species), ryegrass (species), barnyard grass, witchgrass, panicum ruderales, corn grass, wind grass, black foxtail, meadow grass (species), bristle grass (species), hairy crab grass, ribbon grass (species), etc.

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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Spring and winter wheat	Annual grass weeds (including bristle grass species, barnyard grass, panicum ruderae, wild oat, corn grass)	0,7-1	200-300	Crop spraying against vegetative grass weeds (from 2-3 leaves to the end of tillering) regardless of the crop development phase. Winter wheat must be treated in spring.	60(1)
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Product application features

The optimum result and the fastest herbicidal action of the product are achieved:

with the treatment of weed grass plants at the early stages of development (starting with the stage of 2 leaves):

- with an optimal choice of treatment time (when most annual grass weeds emerge);
- under weather conditions favorable for the growth and development of plants.

No cases of delayed timing of development of cultivated plants have been reported if used according to the recommendations for time limits and rates of the product application. It is not recommended to treat with the product the crops weakened by frosts, hail, and pests.

It is not recommended to treat the crops at the flowering stage.

Compatibility with other pesticides

The product is compatible with most phenoxy acid-based herbicides, sulfonylureas, clopyralid, and others, as well as with insecticides and fungicides. In each case, a preliminary verification of the physical and chemical compatibility of the components to be mixed is required.

General information

Chemical class

aryloxyphenoxypropionates + antidot

Storage conditions

To be kept in the premises intended for storing pesticides. The temperature interval for storage is from -15°C to +35°C.

Guaranteed shelf life

3 years

Package

PE canister of 10 l

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia