



Hefk, SL

soluble liquid

ethephon 480 g/l

The preparation is intended for use as a plant growth regulator and retardant on plantings of cereal and other agricultural crops.

Advantages:

- Prevents drowning of cereal crops
- Stimulates growth and expansion of the root system, strengthens the stem by reducing the length of internode and increasing stem diameter
- Increases the number of productive stems
- Has a positive effect of yield volume and quality
- Creates favorable conditions for cropping

Action

Mode of action

The product quickly penetrates the plant and accelerates the biosynthesis of ethylene in plant tissues. Ethylene is a plant hormone that regulates many physiological processes in the plant. For example, due to the accumulation of ethylene, the growth of the root system is stimulated and the growth of the stem is inhibited, which leads to shortening of the stem and thickening of the second and third internodes, straw walls, as well as an increase in the number of productive stems.

This feature of ethylene is important in preventing lodging of grain crops. Also, ethylene accelerates the formation and ripening of the crop.

Protective effect period

During vegetation or storage period after treatment.

Speed of action

7 to 10 days after treatment.

Usage regulations

Crop	Purpose	Consumption rate product, l/ha	Consumption rate working solution, l/ha	Method, time and conditions of application. Application time for manual (machinery assisted) operations	Wait time (application frequency)
Spring and winter wheat, spring barley, winter and spring triticale, winter rye	Enhanced resistance to drowning, faster ripening, higher yield, better product quality	0.5-1.0	300	Plant treatment at end of tubing stage 1(1)	-(1)

Tomato	Faster ripening, higher yield of sales fruit	1.5	400-600	Spraying of plants during the beginning of mass ripening (at the phase of milk ripeness of fruits) 1(1)	5(1)
Common onion	Improved crop safety, reduced sprouting, higher resistance to diseases during storage	3.0-4.5	400-600	Treatment of plants 21 days before cropping 1(1)	21(1)

Application technique. Mix preparation method

Prepare the mix immediately before use. Fill the sprayer tank with water to 1/3, add the full preparation dose, and then top up with remaining water and stir. Stir continuously during planting treatment to ensure mix uniformity.

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

Use commercially available ground-based boom sprayers.

Phytotoxicity

NO phytotoxic effect, when used in recommended doses.

Potential for resistance

No facts of resistance to preparation were revealed.

Compatibility with other pesticides

It is compatible with some other pesticides that do not have alkaline properties and are not inhibitors of ethylene biosynthesis or its action and oxidizing agents. It is incompatible with solutions containing iron, copper, zinc ions and fungicides containing manganese.

General information

Chemical class

Chloroethylphosphonic acid derivatives

Hazard class

Hazard class 3, moderate hazard

Storage conditions

Keep the preparation in a room dedicated for pesticide storage. Storage temperature range - minus 10 °C to plus 35 °C.

Shelf life

5 years.

Packing

10 liter PE container

Registrant

Schelkovo Agrohim , Russia

Manufacturer

Schelkovo Agrohim, Russia