Schelkovo Agrohim
Zavodskaya street 2
141108 Schelkovo
Russia
+7 495 745 0551, 745 0198
info@betaren.ru


# Pixel, OD

oil dispersion

typhensulfuron-methyl 90 g/L + flumetsulam 24 g/L + florasulam 18 g/L

Premium-class herbicide for controlling a wide range of dicotyledonous weeds in the late stages of the development of cereal crops

## Advantages:

- High efficiency and rapid action due to innovative oil formulation and synergistic effect of three active ingredients
- Maximum extended spectrum of action for dicotyledonous weeds, including those that are difficult to control
- Effectiveness in overgrown weeds
- Wide window in application phases, from tillering to flag leaf
- Exceptionally mild effects on crops, no loss in the yield due to herbicidal stress
- No restrictions for crop rotation

## Action

**Mode of action**

*Tifensulfuron-methyl, flumetsulam, and florasulam* are systemic compounds. They are mainly absorbed by the leaves of weeds and quickly move to the root system and the stems, where they concentrate in the growing-points and exert a herbicidal effect. At the biochemical level, the mechanism of action is to block the acetolactate synthase (ALS) enzyme, which is involved in the biosynthesis of essential amino acids in the weed meristematic tissues. This causes cessation of protein synthesis and stops cell division, which leads to the death of weeds.
The total synergistic effect of the three active substances maximizes the herbicidal activity of the product in relation to the widest spectrum of dicotyledonous weeds.

**Period of protective effect**

Throughout the growing period (depending on the weather conditions and in the absence of a new weed "wave").

**Rate of exposure**

The active growth of sensitive weeds and competition with the crop halt within a few hours after treatment. The first visible symptoms of weed depression appear 2-5 days after application, and their final death occurs 2-4 weeks after treatment and depends on the species composition and the developmental phase of weeds, the degree of contamination, and climatic conditions before, during, and after spraying.

**Action spectrum**

Annual and perennial dicotyledonous weeds
Susceptible species: ragweed, cornflower, speedwell (species), field vetch, field bindweed, knotweed (species), field mustard, black bindweed, hedge mustard, flixweed, common cocklebur, drug fumitory, treacle mustard, field larkspur, chickweed, buttonweed, common wood sorrel, common arache, field poppy, goosefoot (species), field scorpion grass, sunflower volunteers, rapeseed volunteers, black nightshade, shepherd’s purse, hemp-nettle (species), cleavers, common purslane, corn chamomile, wild radish, chamomile (species), bladder campion, common winter cress, sorrel (species), amaranth (species), field
pennycress, dead-nettle (species).
Moderately susceptible species: creeping thistle, field gromwell, trailing hollyhock, thistle (species), nettle (species), spurge (species), dandelion (species), common wormwood, violet (species)

# 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) |
|---|---|---|---|---|---|
| Spring wheat, winter wheat, spring barley, winter barley | Annual and perennial dicotyledonous weeds, including sow thistle, plume thistle species | 0.25-0.3 | 200-300 | Spraying of crops from the crop tillering stage through a phase of the second internode formation (inclusive) -(3) | 60(1) |

**Product application features**

After spring application, winter cereals, winter rapeseed, and cereal grasses can be sown in the same field in the fall of the same year.

There are no limitations for the spring of the next year.

Where replanting is required, spring cereal crops, maize and sorghum can be sown in the same field. Do not use the product on cereal crops sown with clover, alfalfa, or other leguminous plants.

**Phytotoxicity**

The product is not phytotoxic at observance of the procedures for the product application.

**Probability of resistance**

None, subject to strict adherence to recommendations for use.

**Compatibility with other pesticides**

Compatible with fungicides and insecticides. However, in each case, especially when combined with micronutrient fertilizers, before preparing the working solution, it is recommended to check the physical mixing properties of the preparations.

# General information

**Chemical class**

sulfonylureas, triazolpyrimidines

**Hazard class**

Hazard class 3, moderate hazard

**Storage conditions**

Keep the preparation in a room dedicated for pesticide storage. Storage temperature range - minus 15  C to plus 30  C

**Shelf life**

2 years.

**Packing**

5 liter PE container

**Registrant**

Schelkovo Agrohim, Russia

**Manufacturer**

Schelkovo Agrohim, Russia