

Tribenuron-methyl

Common name: tribenuron-methyl

IUPAC name: methyl 2-[4-methoxy-6-methyl-1,3,5-triazin-2-yl(methyl)carbamoylsulfamoyl]benzoate

Chemical Abstracts name: methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]benzoate

Molecular weight: 395.4

Molecular formula: C<sub>15</sub>H<sub>17</sub>N<sub>5</sub>O<sub>6</sub>S

Formulation: 10% WP

Applications

Biochemistry

Affects sensitive weeds through inhibition of the enzyme acetolactate synthase(ALS). Inhibits of ALS leads to the rapid cessation of cell division and subsequent growth processes in plants.

Mode of action

Selective, post-emergence herbicide, acting primarily through foliar uptake, with little or no soil activity. Symptoms of chlorosis appear in affected weeds in days, with necrosis and death occurring after 10-25 days under optimal conditions.

Uses

Post-emergence control of broad-leaved weeds in cereal crops, including wheat, barley, oats, rye and triticale. Applied at 13.5-22.5g/ha.

10% WP characteristics:

Item	Index
Appearance	Loose powder
Content(tribenuron-methyl), %	≥10
Content (metsulfuron-methyl),%	≤0.1
Water, %	≤3.0
PH value	8.0-10.0
Wetting time, s	≤90
Degree of fineness(45 μ m sieve),%	≥96
Suspension rate, %	≥80

TC characteristics:

Item	Index
Appearance	White to light yellow powder
Content (tribenuron-methyl), %	≥95.0
Content (metsulfuron-methyl),%	≤0.5
Water, %	≤0.4
PH value	3.0-7.0

Storage and transportation:

Put in a ventilated and dry place. Keep away from food, seed and feed. Do not touch eyes, skin and be absorbed by mouth and nose..