

OLYMPUS 720D

Active Ingredient: Fenoxaprop-p-ethyl 64 g/l + Iodosulfuron-methyl sodium 6 g/l

Broad spectrum, selective, post-emergence herbicide for the effective control of annual grasses and key broadleaf weeds in Wheat.

Fenoxaprop-p-ethyl:

- IUPAC Name:
(R)-2[4-[(6-chloro-2-benzoxazolyl)oxy]-phenoxy]-propanoic acid.
- Molecular formula: $C_{18}H_{16}ClNO_5$
- Aryloxyphenoxy-propionate 'FOPs' Herbicide
- WSSA Mode of Action Classification:
1, HRAC Group: A(1)

Iodosulfuron-methyl sodium

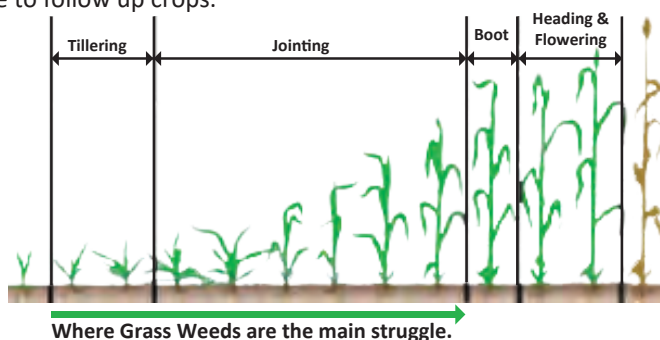
- IUPAC Name: sodium
([5-iodo-2-(methoxycarbonyl)phenyl]sulfonyl)carbamoyl(4-methoxy-6-methyl-1,3,5-triazin-2-yl)azanide
- Molecular formula: $C_{14}H_{13}IN_5NaO_6S$
- Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) Inhibitors
- WSSA Mode of Action Classification:
2, HRAC Group: B(2)

Always alternate with insecticides with different mode of action through the season to prevent the development of resistant pests.

Olympus 720D offers outstanding and economical management of a wide range of annual grasses and broadleaf weeds:

Technical aspects

- Contact and systemic herbicide.
- Flexibility in application timing – up to the tillering stage.
- Excellent rain fastness properties due to special OD formulation.
- Increased absorption of the active ingredient.
- Efficacy not depended on the soil type.
- Safe to follow up crops.



Mode of Action

Olympus 720D combines Iodosulfuron-methyl-sodium, a Sulfonyl-Urea herbicide with Fenoxaprop-p-ethyl, an Aryloxyphenoxy-propionate 'FOPs' Herbicide.

- Dual mode of Action.
- Highly synergetic action, emphasizing on grass weeds.
- Fully systemic activity, with additional contact action- absorbed principally by the leaves and the stem, with translocation both acropetally and basipetally to the roots or rhizomes.
- Includes safener acting as a catalyst by promoting the degradation of both active ingredients in Wheat.

Special OD Formulation – The art of chemistry

Increased

- Safety
- Stability
- Efficacy
- Rain-fastness
- Spray retention and spreading



Insoluble solid active ingredient

Non-aqueous continuous phase(Oil)

On dilution in the spray tank the oil phase is emulsified and the solids are dispersed

What is OD?

OD is a stable dispersion of active ingredients in oil dispersion.

- Each droplet contains all the active ingredients in single oil droplet covered by water film.
- Compared to other classic herbicides the active ingredients are contained in the oil drop and encircled by the oil film.

Uses

- Excellent for TC in solid forms.
- The product contains oil as an emulsifier which provides advantages to the formulation-
 - 1) Carrier of the A.I into the plant tissues.
 - 2) Solvent of the TC.
 - 3) Safener- no phytotoxicity detected.
 - 4) Protects the A.I from adverse conditions.(UV, pH, heat etc)

Directions for use:

- Olympus 72OD should be mixed with water to be ready for use.
- It may be applied with any type of spraying equipment.
- For best results spray when weeds are vigorously growing.

Rate of application:

Crop	Application Rate	Susceptible Weeds	Application Remarks
Wheat	1.0-1.25 Lt/ha*	Grasses: Wild oats (Avena sp.) Annual ryegrass (Lolium sp.) Brome grass (Bromus sp.) Phalaris (Phalaris sp.) Foxtail (Alopecurus myosuroides)	Broadleaf Weeds: Mayweed (Matricaria sp.) Wild raddish (Raphanus sp.) Pigweed (Sinapis arvensis) Chickweed (Stellaria Media)

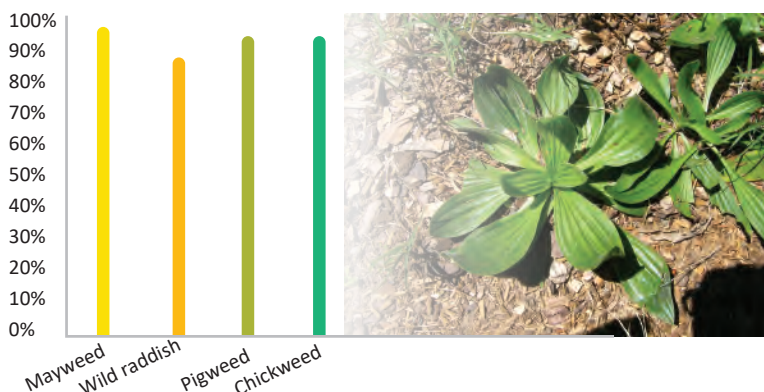
* Use at least 200Lt of spraying mixture per ha

Field Trials

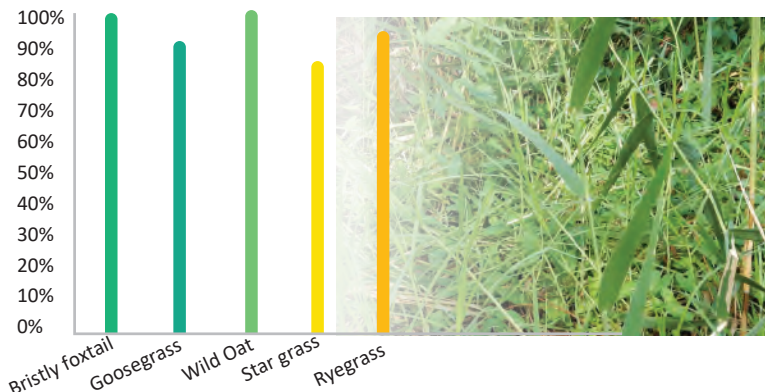
- Extensive field trials and commercial applications have proven the efficacy of Olympus 72OD against a wide range of grasses and broadleaf weeds.

- In Australia (2017) Olympus 72OD was tested for the control of a wide range of grasses and broadleaf weeds in Wheat with excellent results.

%Efficacy of Olympus 72OD against broadleaf weeds:



%Efficacy of Olympus 72OD against grasses:



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