Sortie 3.6WDG

Sortie 3.6WDG is a selective, post-emergence herbicide fot the effective control of annual grasses and key broadleaf weeds in Wheat

Sortie 3.6WDG offers a novel and easy to use solution with high flexibility in managing a wide range of weeds.

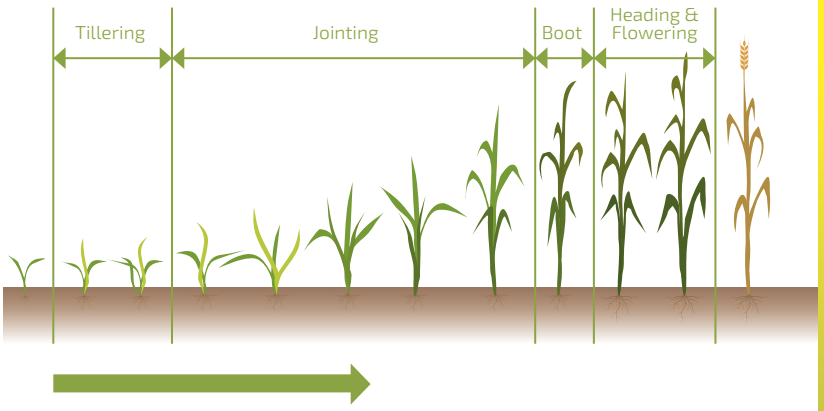
Active Ingredients

Mesosulfuron-methyl 30 gr/kg + Iodosulfuron-methyl sodium 6 gr/kg

Advantages

- Effective management of difficult to control grasses and broadleaf weeds
- Excellent crop safety
- Flexibility in application timing
- Highly systemic
- Enhanced user safety
- Excellent eco-toxicological profile
- Suitable for resistance management programs in wheat

- Better retention
- Faster uptake
- Lower water volumes
- Enhanced spreading



Mode of Action

- Mesosulfuron-methyl and Iodosulfuron-methyl-sodium are Sulfonyl-Urea Herbicides
- Both active ingredients act as ALS Inhibitors
- Exhibits highly synergetic action
- The product active ingredients inhibit ALS ebzyme activity in plants. The lack of this enzyme in mammals and humans contributes to the product safety
- Fully systemic activity on target weeds via foliage absorption and soil uptake
- The product safener act as a catalyst, specifically promotingthe degradation of Mesosulfuron and Iodosulfuron in Wheat

Mesosulfuron-methyl

- **IUPAC Name:** methyl 2-[(4,6-dimethoxypyrimidin-2-ylcarbamoyl) sulfamoyl]-a-(methanesulfonamido)-p-toluate
- **Molecular formula:** $C_{17}H_{21}N_5O_9S_2$
- Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) Inhibitors
- **WSSA Mode of Action Classification:** 2, HRAC Group: B(2)

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 herbicides with different mode of action through the season to prevent the development of resistant pests

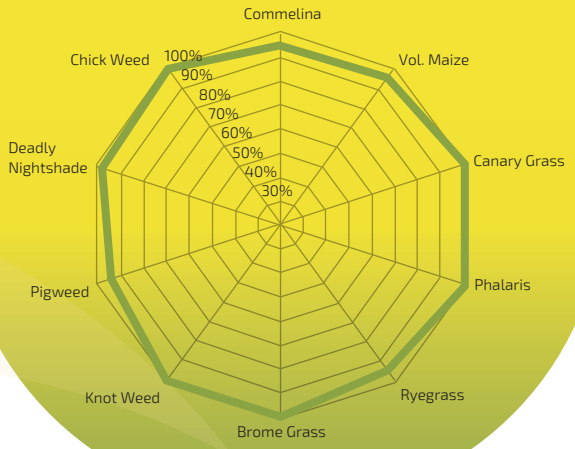
Elvira BV
Limburg , The Netherlands

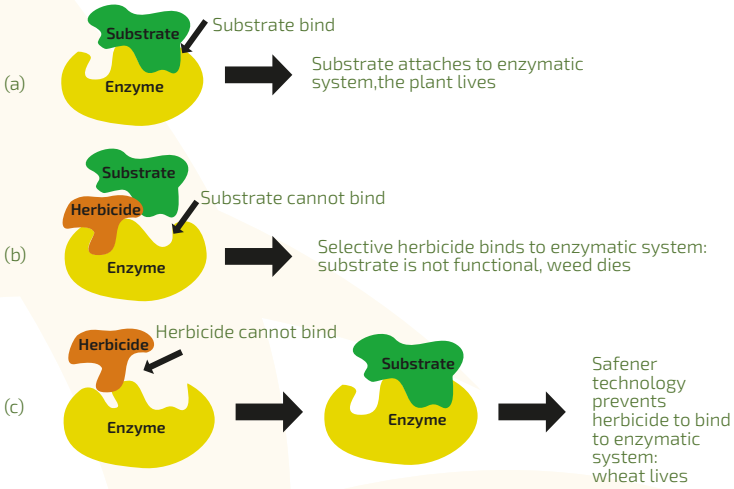
Field Trials

Extensive field trials and commercial applications have proven the efficacy of Sortie 3.6WDG against a wide range of broadleaf weeds.

In Greece (2016) Sortie 3.6WDG was tested for the control of a wide range of grasses broadleaf weeds in Wheat with excellent results.

% Efficacy of Sortie 3.6WDG:
1application at 450 gr/ha





Directions for Use

- **Sortie 3.6WDG** should be mixed with water to be ready for use.
- For ground application, it is recommended to use standard boom sprayer fixed on a tractor.
- Use a minimum water volume of 200 -300 lt/ha.
- Observe speed travel to be 6 – 8 km/ha.
- Spray pressure: 2.5 – 3.0 bar to ensure even and thorough coverage.
- Always follow the product label instructions.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Rate of Application

Crop	Application Rate	Susceptible Weeds		Application Remarks
Wheat	400 – 500 gr /ha*	**Grasses:** Wild oats (Avena sp.) Annual ryegrass (Lolium sp.) Brome grass (Bromus sp.) Phalaris (Phalaris sp.) Foxtail (Alopecurus myosuroides) Barley grass (Hordeum sp.) Annual blue-grass (Poa annua)	**Broadleaf Weeds:** Mayweed (Matricaria sp.) Whild raddish (Raphanus sp.) Pigweed (Sinapis arvensis) Chickweed (Stellaria media)	-Apply to already emerged weeds. -Wheat should be at least in the 3rd leaf stage.

Important Note:
The indicated crops and recommended rate of application mentioned in this Product informative sheet may not be applicable in the country where the product is intended to be used. User must refer and use the product only as per the officially registration at the country of use and the approved uses and rates by the authorized authorities. The supplier will not be responsible or liable if the product is used on crops which are not listed on the official label as approved the ministry of agriculture at the country of use.