A **Selective Herbicide** for **Post Emergence** use in **Wheat** for the control of a wide range of **Broadleaf Weeds**

Sekator® OD 375

Bayer CropScience

Sekator® OD 375

Composition

Amidosulfuron 100gr/l
Iodosulfuron-methyl sodium 25gr/l
Mefenpyr- diethyl 250gr/l

The Formulation

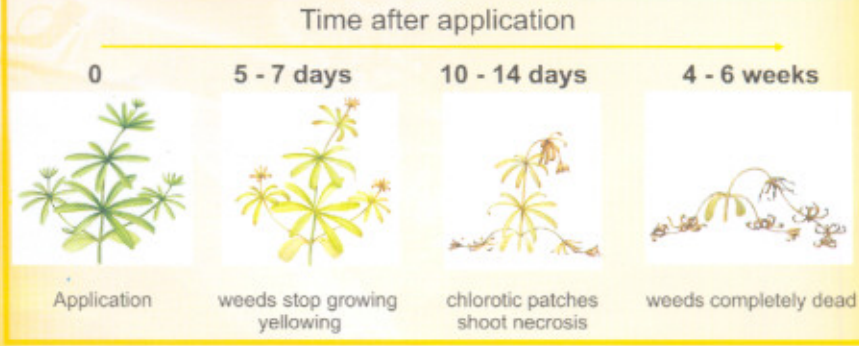
The OD formulation technology ensures better retention, better spreading and better uptake

Mode of Action

- **Amidosulfuron** & **Iodosulfuron** are rapidly absorbed through the plant leaves. They have phloem and xylem properties, which ensure full systemic action and translocation throughout the whole target weeds thereby resulting in a complete kill of meristematic tissues.
- As with other herbicides off the sulfonylurea family, the primary biochemical target site of **Sekator® OD 375** is the acetohydroxyacid synthase enzyme (AHAS).
- The visible symptoms of herbicidal action are discontinued growth within the first few days after application and the appearance of chlorotic patches, followed by slow sheath necrosis.
- Susceptible plants cease to grow almost immediately after post emergence application.
- **Mefenpyr-diethyl** is the safener, which enhances the degradation of the active ingredient to non-phytotoxic compounds in cereals without changing the metabolic pathway of amidosulfuron and iodosulfuron-methyl sodium. This specific safener, increases the crop tolerance to the two active ingredients, while maintaining the same high level of grass weed control.

Sekator OD

Speed of action (e. g. Galium)



Weed Spectrum

The following susceptible weeds are effectively controlled by **Sekator®OD 375**:

Broad leaf weeds

Black Jack	*(Bidens pilosa)*
Black nightshade	*(Solum nigrum)*
Chickweed	*(Stellaria media)*
Chinese Lantern	*(Nicandra physaloides)*
Devil's Thorn	*(Emex australis)*
Double Thorn	*(Oxygonum sinuatum)*
Erucastrum arabicum	
Gallant soldier	*(Galingsoga parviflora)*
Goose Grass	*(Galium spurium)*
Mexican marigold	*(Tagetes minuta)*
Pigweed	*(Amaranthus spp)*
Shepherd's purse	*(Capsella bursa pastoris)*
Thorn apple	*(Datura stramonium)*
Wandering Jew	*(Commelina bengalensis)*
White charlock	*(Raphanus raphanistrum)*

Moderately susceptible weeds

Black bindweed	*(Polygonum convulvulaceae)*
Dwarf marigold	*(Schkuhria pinnata)*
Fat hen	*(Chenopodium spp)*
Knotgrass	*(Polygonum aviculare)*
Purple gooseberry	*(Physalis ixocarpa)*
Yellow nutsedge	(Cyperus esculentus)

Application

Sekator® OD 375 is applied post emergence to the crops (wheat and barley) and broad leaf weeds. The best time of application is from 2-4 leaf stage to early tillering of grass weeds. The cereal crop stage during application should be up to the end of tillering.

Rate of Application

Ground application	0.125 litre per hectare in 150-200 litres of water
Knapsack application	10-12.5 ml per 20 litres of water

Excellent application timing flexibility with Sekator® OD 375: