

# SPEKTRUM 500 WG

## Herbicide

For rapid knockdown and control of various grass and broadleaved weeds when mixed with glyphosate or paraquat /diquat herbicides.

### KEY FEATURES

- Fast Knockdown
- Key weeds controlled including - Marshmallow, Black Bindweed, Wireweed, Wild Radish and Volunteer Canola
- Weed control prior to sowing winter cereals, legumes and summer crops including cotton, sorghum, and summer legumes.
- Wide compatibility with a range of knockdown and 2,4-D herbicides.
- Rapid burndown and necrosis

### BEST USE TIPS

- To ensure even mixing, half-fill the spray tank with clean water
- Tear open the necessary number of sachets and drop the water-soluble bags contained within into the spray tank without touching the bags
- Keep the agitation system engaged. Mix thoroughly until fully dissolved. Add the knockdown herbicide and remaining water. Mix thoroughly. Add spray additive near the end of the filling process to minimise foaming
- Always maintain adequate agitation during application and use the tank mix promptly
- Apply a minimum of 80L spray solution per hectare

### PRODUCT DETAILS

**ACTIVE:** Flumioxazin 500 g/kg

**GROUP:** G Herbicide

**APVMA Approval Number:**  
89625 / 125456

### SAFE HANDLING OF SPEKTRUM HERBICIDE

**SPEKTRUM 500 WG** Herbicide is a water dispersible granule formulation and is contained within a water-soluble bag. The water-soluble bags dissolve readily in water.

- **DO NOT** handle water soluble bags or expose to moisture because this may cause breakages
- **DO NOT** touch bags with wet hands or place on wet surfaces
- **DO NOT** damage foil sachets that contain the water-soluble bags. Protect unused sachets by keeping them in the original container
- Open sachets only as needed

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Sales Representative visit

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### OTHER GROUP G HERBICIDES SOLD BY KENSO AGCARE

**OX 240 EC** - 240 g/L

Oxyfluorfen,

**SQUATTER 400 EC** - 400 g/L

Carfentrazone Ethyl

### HOW IT WORKS

Flumioxazin is a light-dependent peroxidising herbicide (LDPH), which acts by blocking heme and chlorophyll biosynthesis resulting in the accumulation of photo-toxic porphyrins in the cytoplasm of the contacted plant cells. This results in subsequent cell rupture and leakage of cell cytoplasm, resulting in cell death.

**SPEKTRUM** is a Group G herbicide. The herbicidal effect expresses rapidly as browning of the leaves, or bleaching as it is sometimes referred to. Brownout is caused by the inhibition of photosynthesis and bleaching of the chloroplasts.

Affected leaves turn yellow soon after application, followed by desiccation and eventual necrosis. Sunlight is vital to initiate symptoms and instrumental to herbicidal efficacy because of its role in the formation of the chemical agent responsible for the cell wall disruption.

Residual control occurs as the weeds begin to germinate and **SPEKTRUM** is taken up by the epicotyl, where it accumulates. Symptoms then occur when the shoot breaks through the soil surface and is exposed to sunlight.

With higher residual rates being used with a knockdown, emerged weeds can sometimes suffer antagonism under high light intensity. Germinating weeds will normally not be seen as sunlight filters into the top layer of soil activating the herbicide and killing weeds before they emerge.



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