

### 3.4 Galigan® 240EC

*A novel vegetable weeder*

**Galigan** is a pre- and post-emergence herbicide. **Galigan** has control over a wide spectrum of broadleaf weeds and grasses in Tomato and Cabbage (other vegetables include Onion and Garlic), field crops (Maize, Sugarcane, Cotton) and ornamental crops.

Rain or irrigation is essential for activation of the residual effect of **Galigan**. Pre-emergence control is most effective when **Galigan** is applied to weed free established soil surfaces. After weeds or soil surfaces are sprayed, they should not be disked or cultivated in any manner.

In post emergence sprays, **Galigan** is most effective against annual broadleaf weeds when they are less than 10 cm high and at the 1-2 leaf stage of susceptible annual grass weeds.

#### Formulation

**Galigan** is available as an Emulsifiable Concentrate (EC) formulation containing 240g/L of Oxyfluorfen.

#### Mode of Action

**Galigan** causes massive accumulation of *porphirines* and enhances peroxidation of lipids in the cell membranes, which cause irreversible damage in cell function and structure of sensitive plants.

As a pre-emergence, it forms a thin layer on soil after activation with water. Susceptible species absorbs **Galigan** through the hypocotyls, at the germination stage.

As a post-emergence herbicide the product is absorbed through the leaves and young stems and causes rapid scorch of the plant.

As a post-emergence herbicide, is most effective against annual broadleaf weeds and susceptible annual grass weeds.

#### Features and Benefits

Feature	Benefit
<b>Galigan</b> is strongly adsorbed on the soil and shows negligible leaching.	Effective control of weeds
<b>Galigan</b> is not affected by microbial activity in the soil.	Its potency is sustained for a long time in soil
<b>Galigan</b> controls weeds within one week.	Rapid action against targeted weeds. Hence no delay in subsequent farm activities
<b>Galigan</b> has long residual activity	Controls weeds over a long period of time and therefore no repeated weeding

#### Application rate

Recommended rate is 1.0 L in 1000L of water per Ha.

#### Tips to consider:

For Pre-emergence control, apply **Galigan** to a weed-free soil surface.

Sprayed soil should not be ploughed.

## **Compatibility**

**Galigan** is compatible with many other pesticides. However, as compatibility is partially dependent on adjuvants in the formulation, new mixtures should be tested before use.

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