

### 3.8 **Limazine<sup>®</sup> 250/250SE**

Selective pre – and early post – emergence herbicide for weed control in maize and sugarcane.

*Alachlor (2-chloro-2,6-diethyl-N-(methoxymethyl)-acetanilide).....:250g/l*

*Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine).....:250g/l*

#### **Mode of action**

**Atrazine:** Selective systemic herbicide, absorbed principally through the roots, but also through the foliage, with translocation acropetally in the xylem and accumulation in the apical meristems and leaves.

**Alachlor:** selective systemic herbicide, absorbed principally by germinating shoots, but also by the roots, with translocation throughout the plant, and accumulation mainly in vegetative parts rather than in reproductive parts.

#### **Biochemistry**

**Atrazine:** inhibits photosynthetic electron transport. Maize tolerance is attributed to rapid detoxification by glutathione transferase.

**Alachlor:** acts by inhibition of protein synthesis and root elongation. Maize tolerance is attributed to rapid detoxification by glutathione transferase.

#### **Directions for use**

**Limazine** being a residual herbicide acts through the soil and therefore must be activated by at least 30mm of rain or irrigation within 7 days after application.

For best results it is recommended to apply Limazine prior to weed emergence on a well-prepared seedbed.

Where ranges of rates are mentioned, low rates are for soil with low clay or organic matter content, whereas high rates are for soils with high clay or organic matter content.

#### **Maize**

**Limazine** may be applied pre-plant incorporated, pre-emergence (at or after sowing) treatments or as early post-emergence treatment of weeds less than 2–4cm high.

**Rate of application:** 4 to 5 L/Ha according to the types of soil.

**Spray volume:** **Limazine** should be applied in 200 to 400 liters of water. The higher spray volume should be used on the areas where the weeds have already emerged.

#### **Sugarcane**

**Limazine** may be applied pre – emergence or early post – emergence as a directed spray on weeds less than 4 cm high.

**Rates of application:** 4 to 5L/ Ha according to the types of soils.

**Spray volume:** 200 to 400L/ Ha.

**Important:** **Limazine** must be activated by at least 30mm of rain or irrigation water within 7 days after application.

[Top](#)