Maximus 537.5SE™ is a unique mixture of 3 effective active ingredients belonging to different herbicide groups. Maximus 537.5SE™ offers an excellent solution for cost-effective, long-lasting residual weed management in maize, sugarcane and sorghum!

**ACTIVE INGREDIENT CONTENT**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Content</th>
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</thead>
<tbody>
<tr>
<td>Terbuthylazine</td>
<td>125 g/lt</td>
</tr>
<tr>
<td>Mesotrione</td>
<td>37.5 g/lt</td>
</tr>
<tr>
<td>Metolachlor</td>
<td>375 g/lt</td>
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</tbody>
</table>

**Biological properties**

- **Terbuthylazine** is a Triazine herbicide absorbed mainly by the roots. Acts by inhibiting the photosynthesis at photosystem II. WSSA Group 5.
- **Mesotrione** is a Triketone herbicide, mainly absorbed by the foliage and roots. Acts by inhibiting the 4-HPPD enzyme. Characteristic symptoms are whitening of leaves, followed by necrosis of the meristematic tissue. WSSA Group 27.
- **Metolachlor** is a selective Chloroacetamide herbicide, absorbed predominantly by the hypocotyls and shoots. It inhibits germination and inhibits cell division. WSSA Group 15.

**Application Rate – Maize, Sugarcane & Sorghum:**

- **1.6-2.0 lt of product / ha & use 100–160 lt of spraying mixture/ha**
- Higher rate suitable for heavier soil types.
- For optimal results:
  - Grasses less than 5cm tall & Broadleaves less than 8cm tall

**Application Timing:**

- **Pre-emergence:**
  - As per the listed crops indicated on the label
- **Post-emergence:**
  - When the crop is up to the 2nd or 3rd leaf stage

**Susceptible weeds - Indicatively:**

- Barnyard grass, Common Cocklebur, Crabgrass, Common Purslane, Black Nightshade, Amaranth, Lambsquarters, Pigweed, Amaranth, Pigweed, Panicum, Annual Foxtail, Yellow Foxtail, Jimsonweed, Thistle, Spotted Ladysthumb, Velvetleaf

**Crop rotation (in months):**

- Sugarbeet: 24
- Peas: 5
- Vegetables: 12
- Cereals, Spring (wheat, oats, barley): Anytime
- Cotton
- Sunflower
- Maize (field)

**Field proven efficacy**

- Maximus 537.5SE™ - 1.6 lt/ha
- Maximus 537.5SE™ - 2 lt/ha
- Nicosulfuron 45SC - 1 lt/ha

Grasses

Broadleaf
Sineria Industries ltd offers the Complete Package for excellent weed management in Maize!

Farmer’s must give maize the suitable environment to unlock its full potential! 
Weeds adversely affect production in a number of ways:
• Inhibit seed germination and plant establishment
• Exploit nutrients and moisture from the soil due to competition
• Shade the emerging plants, reducing the available sunlight
• Hosts for harmful insects and diseases
• Result in reduced yield

In Maize, early weeding is essential to a good yield. The most critical period of weed competition is during the first four weeks after the emergence of the crop. Weeds should be removed before maize reaches the 4-leaf stage.

Sineria comes to offer the Complete Package with 3 revolutionary and complementary products!

• Metolachlor 29% + Atrazine 37%
  Rate: 2.5-3.0 lt/ha
  Application: Pre- and early post.
  Targeted weeds: 
  Broadleaf & annual grasses. Excellent action on nutsedge

• Terbuthylazine 125g/l + Mesotrione 37.5g/l + Metolachlor 375g/l
  Rate: 1.6-2.0 lt/ha
  Application: Pre- and post; up to the 2nd or early 3rd leaf stage.
  Targeted weeds: 
  Broadleaf & annual grasses.

• Mesotrione 4.0% + Nicosulfuron 2.0% + Terbuthylazine 20.0%
  Rate: 2.0-2.5 lt/ha
  Application: Pre- and post; up to including 3rd leaf stage and early 4th leaf stage
  Targeted weeds: 
  Broadleaf & annual grasses.

Three different herbicides – Four different mode of action combinations!
• Suitable for resistance management programs.
• Always alternate between herbicides with different mode of action to prevent the development of resistant biotype weeds.
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