## Maize Streak Virus

### Prevention
- Plant certified tolerant/resistant varieties e.g. Pan 5195, PH 4, FS 650, Duma 43, PAN 67, KH 633A, KH634A, HH500-31 and KH 500-33.
- Plant early in the season at the onset of rains or dry plant (when viral inoculum load is lowest)
- Keep the field free from weeds particularly grass weeds
- Rotate maize with non-grass crops like potatoes, cabbages, beans etc
- Avoid overlap/relay planting of maize crop.

### Monitoring
- Inspect maize crop 3 times per week especially when it is young.
- Scout for white to yellowish streaking on the leaves
- Check out for very narrow, more or less broken streaks on both sides of the leaves running parallel along the leaves
- Check out for jumping/leaping leafhoppers.
- Threshold: take action when at least one plant shows disease symptom

### Direct Control
- Uproot infected plants and feed livestock or burn
- Control vectors such as leafhoppers by digging a trench between maize fields and Napier

### Restrictions
- Note: For control of the vector, apply insecticides **(but only if applied across the area by all farmers)**
- There is no chemical control for the virus.

<table>
<thead>
<tr>
<th>Direct Control</th>
<th>Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha-cypermethrin – based products (ALBAZ 10 EC; ALFACYPER M EC; ALFAGOLD 100 EC; ALFAPOR 10% EC and many others). Usually 20-30ml per 20 litres of water, but read product label. (Pyrethroid group of pesticides)</td>
<td>WHO toxicity class II (moderately hazardous); Pre-harvest interval (P.H.I) 3-7 days; restricted; Re-entry interval (R.E.I) 3 days after spray; 2 maximum sprays per season; High risk to bees, very toxic to aquatic organisms. Does not work well at hot weather</td>
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<tr>
<td>Carbosulfan 350g/Kg (eg Marshal): 70ml per 20l of water.</td>
<td>WHO toxicity class II (moderately hazardous); Pre-harvest interval (P.H.I) 14 days</td>
</tr>
</tbody>
</table>

- When using a pesticide always wear protective clothing
- Always follow the instructions on the product label, such as dosage, timing of application, pre-harvest interval, max number of sprays, restricted re-entry interval. Do not empty into drains.
- WHO class II pesticides might not be allowed in local IPM schemes.
- Always consult recent list of registered pesticides

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**Kenya**

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