ASSEMBLY 160 ME

Active ingredient: picloram (pyridine carboxylic acid) as tri-isopropanolamine salt 80g/l [Group O] and fluroxypyr (pyridine compound) as methyl heptyl ester 80g/l [Group O]

A micro-emulsion, systemic herbicide with residual activity for the control of unwanted woody plants in non-crop areas.

Features

<table>
<thead>
<tr>
<th>Cut stump</th>
<th>Foliar</th>
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</thead>
<tbody>
<tr>
<td>It acts as plant growth regulator - mimics growth hormones.</td>
<td>It is a broad-spectrum herbicide for tree and brush control in non-crop areas.</td>
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<tr>
<td>No effect on grasses when used at recommended rates.</td>
<td>It is an auxin type herbicide that is absorbed by leaves with a rain free period of 4h required for maximum efficacy.</td>
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<tr>
<td>It is non-volatile due to rapid absorption and it is also non-flammable. Avoid spray drift onto susceptible plants.</td>
<td>Once absorbed it is translocated rapidly in plant tissue primarily via the symplastic pathway (incl. phloem), and accumulates in growing points.</td>
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<tr>
<td>Highly leachable especially in sandy soils low in clay and does not strongly adsorb to soil particles.</td>
<td>Average half-life in soil is 90 days with a range of 20-300 days depending on soil characteristics.</td>
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<tr>
<td>Degraded by photolysis in water with a half-life of less than 2 days. Can leach into groundwater in areas with shallow water tables.</td>
<td>Degraded by micro-organisms in soil with only metabolite being carbon dioxide. Moderately persistent.</td>
</tr>
<tr>
<td>Classified as moderately toxic to aquatic life and fish. Relatively safe to animals, non-toxic to honeybees and earthworms.</td>
<td>It has a low environmental impact and has little or no effect on soil micro-organisms.</td>
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</tbody>
</table>

Direction for use

- **Assembly 160 ME** is registered as a cut stump and foliar application and it is important to add Summit Super at 0.5% to the spray mixture.

CUT STUMP

- Cut the unwanted plant as low as possible to the soil surface, preferably no more than 15cm.
- Use a knapsack sprayer with a solid cone nozzle to apply a coarse spray onto the cut stump surface and remaining bark.
- Apply immediately after felling onto the cutting surface to optimize results, but within 30 minutes - a delay will result in an “air lock” which will reduce absorption.
- Stump applications are more effective in the dryer part of the season as sap ooze that prevent the herbicide entering the plant, is less than during the raining season.

FOLIAR

- Use a knapsack sprayer with a solid cone nozzle to ensure an even coverage of the target area.
- Apply as a full cover spray (to the point of run-off) to foliage and stems of actively growing plants with full leaf cover.
- Slash target plants exceeding a height of 2m and spray the regrowth when reaching 0.5m in height.
- Avoid spraying plants that are under any kind of stress.
- Prevent spray drift onto susceptible plants, non-target plants or any crop nearby. A re-treatment or second spray may be required for difficult to control plant species.

Note: Consult the **ASSEMBLY 160 ME** label for registered targeted plants, recommendations and dosage rates. Other plant species that were not present during development trials of this product might also be controlled. However, the registration holder does not accept responsibility for control of unlisted plant species.

ALWAYS READ THE LABEL BEFORE USE

**ASSEMBLY 160 ME** Active ingredient: picloram (pyridine carboxylic acid) as tri-isopropanolamine salt 80 g/l and fluroxypyr (pyridine compound) as methyl heptyl ester 80g/l Reg. No. L10593 (caution), Act 36 of 1947

Registration holder: Villa Crop Protection (Pty) Ltd., Co. Reg. No. 1992/002474/07, PO Box 10413, Aston Manor, 1630 Tel. (011) 396-2233

**SUMMIT SUPER** Active ingredient: nitrogen solution/non-ionic surfactant 929g/l Reg. No. L8539 (caution) Act 36 of 1947

Registration holder: Villa Crop Protection (Pty) Ltd., Co. Reg. No. 1992/002474/07, PO Box 10413, Aston Manor, 1630 Tel. (011) 396-2233

[www.villacrop.co.za](http://www.villacrop.co.za)