## TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE.

## PRECAUTIONS

1. Handle with care. Avoid splashing and contact with eyes, nose and mouth.
2. Poisonous by swallowing, inhalation and contact with skin.
3. WEAR FULL PROTECTIVE CLOTHING i.e. rubber gloves, rubber boots, overalls, hood and respirator when mixing and applying this suckercide.
4. On completion of spraying, remove protective clothing and wash hands and face thoroughly with soap and water.
5. Dispose of the wash water in a safe manner.
6. KEEP APART FROM FOOD AND FOODSTUFFS.
7. **DO NOT** eat, drink or smoke while applying this suckercide.
8. KEEP OUT OF THE REACH OF CHILDREN.
9. Dangerous to livestock and domestic pets.
10. **DO NOT** contaminate drinking pools, dams, rivers, waterways and other water supplies.
11. Store in the original container and KEEP UNDER LOCK AND KEY.

**EMPTY CONTAINER DISPOSAL**
Invert the empty container over the spray tank or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of 10% of the container. Add the rinsings to the contents of the spray tank. Destroy the empty container by perforation and flattening. Bury away in a designated area or away from water sources. **DO NOT** use for any other purpose. If possible, offer the container for recycling.

**DECONTAMINATION OF SPRAYER**
Clean applicator thoroughly after use and ensure that all traces of N-Decanol 79 EC are removed. Make use of the following method;
(a) Drain and rinse tank, spray boom and hoses with clean water for at least 10 minutes.
(b) Fill tank with clean water and add to it 1,0 litre household bleach (5 %) or 1,5 litres of household bleach(3,5 %) per 200 litres of water. Rinse hoses and spray boom and leave in tank for 15 minutes whilst agitating. Drain through nozzle outlets.
(c)Repeat step (b) and thereafter, rinse thoroughly with clean water and dispose of the wash water at a site designated for the disposal of pesticides.

**SYMPTOMS OF POISONING**
Dizziness and headache can occur with prolonged exposure. Ingestion may cause gastro intestinal disturbances with nausea, vomiting, diarrhoea and the odour of alcohol in the excreta.

**FIRST AID**
**Inhalation:** Remove source of contamination or move victim to fresh air. Keep affected person warm and at rest. Supply oxygen if necessary. Seek medical advice immediately.
**Skin contact:** Remove contaminated clothing, shoes and leather goods. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Seek medical advice if necessary. Persons who become sensitized may require specialized medical management with anti-inflammatory agents.
**Eye contact:** Immediately flush eyes with gently flowing cold water or saline solution for 15 to 20 minutes, holding the eyelid(s) open. Seek medical attention immediately.
**Ingestion:** Have victim rinse mouth thoroughly with water. **DO NOT** induce vomiting. Seek medical advice immediately.

**ADVICE TO PHYSICIAN:**
No specific antidote known. Treat symptomatically and supportively.

**WARRANTY**:
The excellent results which this chemical should normally yield are not, however, warranted or guaranteed as effectiveness can be greatly influenced by factors outside the control of either the manufacturer or the suppliers. No warranty whatsoever, express or implied, is therefore given concerning the performance or effectiveness of this chemical. This product is warranted to consist of the ingredient shown on this label.

**SHELF LIFE**: Two years from the date of manufacture if kept in the original unopened container under constant cool and dry conditions.
**BATCH NUMBER**:
**DATE OF MANUFACTURE:**

# N-DECANOL 79 EC SUCKERCIDE

Reg. No.

NET CONTENTS:
Litres

**CAUTION**

**HARMFUL IF SWALLOWED**

**Composition Mass/volume**
**N-decanol.....790 g/l**

**Chemical group: Aliphatic fatty alcohol**

**A water emulsifiable concentrate plant growth regulant with contact action for the control of tobacco suckers.**


**Registered and distributed by:**
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OPTIMUM AGRO
REVOLUTIONISING PLANT PROTECTION

## DIRECTIONS FOR USE: Use only as directed.

**COMPATIBILITY:**
- Do not mix with other chemicals.
- Do not apply to plants recently treated with insecticides and herbicides.

**RECOMMENDATION:**
- Top the tobacco plants when they are in early flowering stage.
- Immediately remove any suckers over 20mm in length by hand.
- Apply N-Decanol 79 EC before the suckers have reached a length of 20mm.
- Ensure that the tobacco plants are in an upright position thus allowing the diluted emulsion to flow evenly down the stalk to come into contact with every sucker in each of the leaf axils.
- Apply the solution as soon as possible, after the above steps have been taken, preferably within two days.
- **DO NOT** apply if the plants are wet due to rain or dew. Wait for plants to dry before treating. Rainfall within two hours of application will reduce the effectiveness.
- **DO NOT** apply in the middle of the day in very hot weather when temperatures exceed 30°C as leaf scorching may occur.
- **DO NOT** apply to wilted plants.
- Injury may occur if the solution is applied to the underside of the leaf, thus leaves must be turned over before application.
- Stop application by knapsack sprayer if the wind speed exceeds 15 km per hour.

**METHOD OF APPLICATION**:
- Add the required amount of N-Decanol 79 EC to your spray tank and then add the water to prepare the diluted emulsion.
- In order to obtain the best results, it is important that the water be added to the N-Decanol 79 EC rather than the N-Decanol 79 EC to the water.
- N-Decanol 79 EC spray-mixture may be applied either by means of a knapsack sprayer using a coarse solid cone nozzle, held about 15 to 20cm above the top of the leaves of the plant, or by hand pouring the material onto the stems of the plant.
- A coarse spray is recommended. Where a knapsack sprayer is used, a low pressure of 100 to 150 kPa is maintained and the lance is held over the plant, long enough to allow the diluted emulsion to run down to the base of the plant to ensure contact with all the suckers. Excess material will not damage the plant, but is wasted.
- The alternative method of hand pouring may be done either by using a container, which applies 10 to 15 ml or by using a bottle fitted with a copper tube designed to give the correct amount, or by a dosing gun.

**APPLICATION RATES:**
- N-Decanol 79 EC should be diluted at the rate of 1 part of N-Decanol79 EC to 24 parts of water.
- Depending on the size of the plants, apply 10 to 15 ml of this mixture per plant.
- If the mixture is allowed to stand for an extended period of time, the diluted emulsion may separate. It is therefore advisable to prepare the mixture prior to application.
- Stir well to ensure good blending.

| Quantity of mixture per plant | Quantity for 1000 plants: | |
|---|---|---|
| | Concentrate | Total volume of mixture |
| 10 ml | 400 ml | 10 l |
| 12.5 ml | 500 ml | 12.5 l |
| 15 ml | 600 ml | 15 l |

N-Decanol 79 EC should give good sucker control for at least 3 weeks with a single application. Since the treated suckers do not grow vigorously, a single hand suckering after treatment should suffice. (A second hand suckering may be necessary to remove any suckers passed over).

**RESISTANCE MANAGEMENT**
N-Decanol 79 EC is a from the fatty alcohol, aliphatics chemical group. Suckers may develop resistance to treatment with N-decanol 79 EC. Alternate with a suckercide or plant growth regulator with a different mode of action to delay the development of resistance to treatment with N-Decanol 79 EC.

**WARNINGS**
1. **DO NOT** enter treated area until spray deposit has dried unless wearing protective clothing.
2. Prevent spray drift and/or contamination onto susceptible crops, grazing, rivers, dams and any other areas not under treatment.