

# **WARNINGS**

- Handle with extreme care.
- Store under lock and key away from food and feedstuffs, seed and other agricultural chemicals.
- Harmful by swallowing, inhalation and skin contact. Causes extreme eye and skin irritation.
- In case of poisoning call a doctor and show this label to him/her.
- Toxic to fish, bees and wildlife.
- Keep out of reach of children, uninformed persons and animals.
- Store in a cool dry place (under 20°C).
- Use only before budburst.
- Do not apply within two weeks of budburst on grape vines.
- Re-entry: Do not enter the treated field within one day after application unless wearing protective clothing.

ALTHOUGH THIS REMEDY HAS BEEN EXTENSIVELY TESTED UNDER A LARGE VARIETY OF CONDITIONS THE REGISTRATION HOLDER DOES NOT WARRANT THAT IT WILL BE EFFICACIOUS UNDER ALL CONDITIONSBECAUSE THE ACTION AND EFFECT THEREOF MAY BE AFFECTED BY FACTORS SUCH AS ABNORMAL SOIL, CLIMATIC AND STORAGE CONDITIONS: QUALITY OF DILUTION WATER; COMPATIBILTY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL AND THE OCCURRENCE OF RESISTANCE OF THE PEST AGAINST THE REMEDY CONCERNED AS WELL AS BY THE METHOD, TIME AND ACCURACY OF APPLICATION. THE REGISTRATION HOLDER FURTHERMORE DOES NOT ACCEPT RESPONSIBILTY FOR DAMAGE TO CROPS, VEGETATION, THE ENVIRONMENT OR HARM TO MAN OR ANIMAL OR FOR LACK OF PERFORMANCE OF THE REMEDY CONCERNED DUE TO FAILURE OF THE USER TO FOLLOW THE LABEL INSTRUCTIONS OR TO THE OCCURRENCE OF CONDITIONS WHICH COULD NOT HAVE BEEN FORESEEN IN TERMS OF THE REGISTRATION. CONSULT THE SUPPLIER IN THE EVENT OF ANY UNCERTAINTY.

## **PRECAUTIONS:**

- Wear a face shield and protective clothing (overall, rubber boots and gloves) during mixing and application.
- Do not inhale fumes or spray mist.
- After use or in case of accidental skin contact, immediately wash with soap and water.
- Do not eat, drink or smoke while mixing or applying or before washing hands and face and change of clothing after use.
- Prevent contamination of food, feedstuff, eating utensils and drinking water
- Prevent drift of spray mist onto other crops, grazing, rivers, dam or any areas not under treatment.
- Spray drift can cause damage to desirable plants.
- Spray equipment must be thoroughly washed and rinsed after use. Dispose of water where it will not contaminate crops, grazing and water bodies.
- Rinse empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the
  rinsings to the contents of the spray tank before destroying the container in the prescribed manner. Destroy empty
  containers by perforation and flattening and never use for any other purpose.
- Do not drink any form of alcohol 24 hours before, during and 24 hours after spraying of this product since alcohol increases the irritation effect of **LIBERATE**.

### SYMPTOMS OF HUMAN POISONING

Irritation of mucous membranes, redness of the face, vertigo, increased respiration, increased pulse rate and hypotension. Symptoms usually disappear after a short while but may last up to 24 hours in extreme cases. Symptoms are increased by the consumption of alcohol.

### **NOTE TO PHYSICIAN**

No known antidote. Treat symptomatically.

## **FIRST AID TREATMENT:**

Remove patient from source of poisoning and keep him guiet and reassured.

Eyes – flush eyes with copious amount of water for at least 15 minutes.

Skin - Remove contaminated clothing and shoes. Rinse contaminated body area thoroughly with plenty of soap and cold water.

Do not rub skin.

Inhalation – remove to fresh air. If breathing is difficult give oxygen. If not breathing give artificial respiration. Ingestion – give one or two glasses of water or milk to drink. Do not induce vomiting. Get immediate medical attention.

## **DIRECTIONS FOR USE** – Use only as directed

Apply as a direct spray with complete coverage of buds where rest breaking is sought. Where applicable, apply after pruning. Rain within 4 hours will reduce efficacy. Do not apply to crops when wet due to rain or dew.

## **COMPATIBILITY**

### LIBERATE is not compatible

with insecticides or fungicides and should not be used in tank mixes with these products.

When **LIBERATE** is recommended in combination with mineral oil, use the higher dose rate where difficult bud-break conditions are expected; e.g. for cultivars with medium to high chilling requirements, growing in warm areas or when insufficient cold units were registered during the year.

## **MIXING INSTRUCTIONS:**

- Make up solutions as indicated below by half filling the spray tank, with clean water then start agitation and add the required amount of **LIBERATE**. Fill with water to the required volume.
- Use a hand gun or knapsack sprayer equipped with D4 nozzles and 45 whirlplates. Spray at low pressure (<100 kPa).
- For bearing trees volumes of water should be determined by the tree row volume formula.
- Apples volumes should not exceed 1000l/ha.
- Apricots and plums volumes should not exceed 750l/ha.

### **NOTE:**

- Apples and Plums LIBERATE may advance and shorten the flowering period. This can affect cross-pollination and thinning.
- Grapes Cultivar response may vary depending on growing conditions. Consult the supplier. Grapes Do not apply within two weeks of budburst on grape vines.
- Do not apply by brush, hand spray or sponge as this may lead to erratic results as well as uneven application.
- Do not leave spray mixture to stand overnight.

CROP	DOSAGE/100& WATER	REMARK
Apples – Non-bearing trees. 1-3 years old. (Braeburn, Fuji, Golden Delicious, Granny Smith, Pink Lady, Royal Gala, Smoothee, Starking, Sundance, Topred.) For a more even and an increase in budding  Apples - Bearing Trees	4,0ℓ	Apply approximately from 1 to 10 September (4 to 5 weeks before budding).  Do not apply if trees have begun to bud – use the mixture with mineral oil as for bearing trees.
(Braeburn, Fuji, Golden Delicious, Granny Smith, Pink Lady, Royal Gala, Smoothee, Starking, Sundance, Topred.) For a more even and an increase in budding	0,5-1,0ℓ + 2,0-4,0ℓ mineral oil	Apply 4 to 5 weeks prior to normal budburst. Note: shoot damage may occur on young apples suffering from abnormal stress, as well as one year old shoots.
Apricots (Bulida, Imperial - Palesteyn, Peeka, Royal.) Bearing trees – For a more even and increase in budding	0,5ℓ + 2,0-3,0ℓ mineral oil	Apply 4 to 5 weeks before normal budburst.
<u>Kiwi Fruit</u> For a more even and increase in budding	5,0ℓ	Apply after pruning and 4 to 5 weeks before to normal bud break.
Pears - Non-bearing trees (Beurre Bosc, Bon Chretin, Deyenne Du Comice, Flamingo, Packham's Triumph, Rosemary.) For a more even and increase in budding.	1,0ℓ + 2,0–4,0ℓ mineral oil	Apply during the approximate period 20 to 30 August or 2 to 4 weeks before the expected bud burst.
Pears - Bearing trees (Beurre Bosc, Bon Chretin, Deyenne Du Comice, Flamingo, Packham's Tri- umph, and Rosemary.) For a more even and increase in budding.	0,5ℓ + 2,0–4,0ℓ mineral oil	Apply 4 to 6 weeks before the expected full bloom taking into account any unusually low cold units where applications must only be made at the first signs of knobs on the buds.  N.B. Variable results are possible on trees that are abnormally stressed during application.
Plums - Bearing trees For a more even and an increase in budding. (Casselman, Eldorado, Gaviota, Leatitia, Redgold, Reubenel, Santa Rosa, Simka, Songold.)	0,5ℓ + 2,0-3,0ℓ mineral oil	Apply 4 to 5 weeks before normal budburst or 5 to 6 weeks before full budding or at first signs of bud swell but not later than bud swell.
Table and Wine Grapes For a more even and an increase in budding. (Table Grapes: Alphonse Lavalle, Barlika, Dan Ben Hanna, Sultana, Sultanina, Waltham Cross.) (Wine Grapes: Cabernet Sauvignon, Cape Riesling, Chardonnay, Chenin Blanc, Cinsaut, Colombar, Muscat d'Alexandrie, Sauvignon Blanc, Shiraz, Weisser Riesling, Zinfandel.)	3,0-5,0ℓ	Apply after pruning. Apply 3 to 4 weeks and not later than 2 weeks before normal bud burst. Sultanas: Do not apply later than 6 weeks before normal budding. NOTE:  1. Do not use LIBERATE for accelerated bud break where frost or a cold spell will damage young shoots or flowering. 2. Inconsistent results are possible where conditions do not favour delayed foliation.
<u>Sultanas</u> Advancement of budding.	3,0-5,0ℓ	