

DOMINATE 20 SP

Distributed by: Harvest Chemicals
Registration Holder/Registrasiehouer Harvest Crop Solutions (Pty)Ltd.
Reg.No. 2014/187205/07
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HARVEST
CHEMICALS



A water soluble powder systemic,
Contact and stomach insecticide for the control
of pests in Citrus, Tomatoes, Wheat and Grapes.

'n Emulgeerbare konsentraat kontak mytdoder
met 'n lang nawerking vir die beheer van sekere
myte in piesangs, sitrus, katoen, mango's en
druwe.

Batch No	Reg. No. L 10730, Act No 36 of 1947.		Reg Nr L 10730, Wet Nr. 36 van 1947.		Lot Nr
	INSECTICIDE GROUP CODE		4A	INSEKODER GROEPKODE	
Date of manufacture	Active Ingredient: Acetamiprid (acetamidine)		AktieweBestanddeel: Asetamipried (asetamidiën)		Vervaardigings- datum
	200g/kg				
	Nett Volume		kg	Netto Volume	



CAUTION
VERSIGTIG



WARNINGS

Withholding period – Minimum time between last application and harvest, grazing and feeding

Citrus	150 days
Tomatoes	3 days
Wheat	56days
Table Grapes.....	45days

NOTE: Above withholding periods are based on local requirements for residue levels.
Withholding periods may differ in other countries to which treated produce may be exported.

- Handle with care.
- Harmful if swallowed, inhaled or skin contact.
- Do not graze treated area.
- Toxic to bees, fish, other aquatic invertebrates, animals and wildlife.
To ensure safety to bees, it is recommended not to spray directly on bees or when they are active in crops.
- Store in dry place, under moderate temperature conditions away from food, animal feeds and eating utensils.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry Interval** - Do not enter treated areas until spray deposits has dried unless wearing prescribed protective clothing.

Although this insecticide has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, compatibility 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 responsibility 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:

- Do not inhale spray mist.
- Wear protective clothing, gloves and a face shield when handling the product.
- Immediately after use or accidental skin contact, wash thoroughly with soap and water.
- Avoid contact with skin and eyes. In the event of accidental contact with the eyes, wash with running water for at least 15 minutes. Seek medical attention if irritation persists.
- Do not eat, drink or smoke during mixing or application of the product.
- Wash hands and face after use, before eating, drinking, smoking or using the toilet.
- Prevent contamination of food, animal feeds, drinking water, eating utensils or clothing during handling, application, storage or disposal of the product containers.
- Avoid spray drift onto adjacent crops, grazing, rivers and dams.
- Clean spraying equipment after use. Rinse in a safe area to avoid contamination of crops, grazing, rivers, dams and water sources.
- Triple rinse empty container with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings of the contents to the spray mix before destroying the container by perforation, flattening and burying. Do not use the empty container for any other purpose.

FIRST AID TREATMENT:

- Remove the patient away from source of contamination to a well-ventilated, cool area and keep the patient reassured and quiet.
- All contaminated clothing must be removed and the contaminated body area properly washed with plenty of clean, soapy water.
- Don't rub hard on the area of affected skin.
- If eyes are contaminated rinse eyes out with clean water for at least 15 min. Seek medical attention if irritation persists.

Note to physician: Treat symptomatically.

USAGE RESTRICTIONS

- To minimise the risk of developing insect resistance to **DOMINATE 20 SP** the product should not be applied more than twice per season to the same field or orchard unless indicated in a programme spray (e.g. tomatoes).
- **DOMINATE 20 SP** should be alternated with chemically unrelated insecticides to prevent the development of insect resistance.
- Insecticidal activity and systemic uptake of **DOMINATE 20 SP** will be impaired if trees or crops are under stress.
- Systemic uptake will be impaired if trees or crops are covered by dust, preventing proper wetting and coverage.
- Do not spray under hot and/or dry conditions.

INSECTICIDE RESISTANCE MANAGEMENT (IRM)

DOMINATE 20 SP is a group 4A insecticide.

Any insect population may contain individuals naturally resistant to **DOMINATE 20 SP** and other group code 4 A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **DOMINATE 20 SP** or any other group code 4 A insecticides.

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank-mix with products from different insecticide group codes.
 - Integrate the control methods (chemical, cultural, biological) into insect control programmes.
- For specific information on resistance management contact the registration holder of this product.

DIRECTIONS FOR USE:

USE ONLY AS INDICATED

Compatibility

DOMINATE 20 SP is compatible in a diluted mixture with most commonly used fungicides and insecticides in citrus, tomatoes and wheat. Compatibility with other products can be influenced by the formulation of these products as well as the quality of the dilution water. Pre-test for compatibility on a small scale to confirm compatibility before tank mixing on a large scale.

DOMINATE 20 SP is compatible with spinosad 480 SC and medium mineral oil.

DOMINATE 20 SP is not compatible with chemicals with a strong alkaline reaction upon dilution or very alkaline spray water. Use a suitable buffer to buffer alkaline spray liquids at PH 5 -7 before adding **DOMINATE 20 SP** to the spray mix.

Mixing Instructions:

Add 50 % of the required volume of water to the spray tank.

Dissolve the required quantity of **DOMINATE 20 SP** in a small volume of water before adding to the spray tank while agitating and

continuing to fill the spray tank.

Rinse the mixing container and add the rinsing water to the spray tank.

When **DOMINATE 20 SP** is used in a water/oil mixture, dissolve the **DOMINATE 20 SP** in the spray tank water prior to adding the oil.

STANDARD SEQUENCE OF PREPARING TANK MIXES

1. Fill spray tank to approximately 25-50 % of the total required volume and commence agitation.
2. Add: Water dispersible granules (after pre- mixing with water to obtain a slurry).
3. Add: Wettable powders (after pre mixing with water to obtain a slurry).
4. Add: **DOMINATE 20 SP** and other aqueous suspensions.
5. Fill the spray tank to the required volume.
6. Add: Emulsifiable concentrates.
7. Add: Wetting agents.
8. Agitate during mixing and spraying.

APPLICATION

CROP	DOSAGE	APPLICATION DIRECTIONS
CITRUS Citrus Thrips (<i>Scirtothrips aurantii</i>)	40 g/ 100ℓ water	<u>Nurseries and non-bearing transplanted trees</u> Apply to the outside of the foliage in a film wet application. Repeat the application when the infestation re-occur or increase.
	40 g/ 100ℓ water	<u>Bearing trees (Excluding lemons)</u> Apply preventatively to the outer tree foliage in a film wet application. Apply at 100 % petal drop or shortly thereafter when monitoring indicated that 2% of fruit are infested. Repeat application when monitoring indicates that threshold levels are reached again but not later than 6 weeks after first application.
Mealy Bug (<i>All Species</i>)	40 g/ 100ℓ water	<u>Nurseries and non-bearing transplanted trees</u> Apply as a high volume full cover spray when infestations are first noticed. Repeat the application when the infestation re-occur or increase.
	50 g/ 100ℓ water	<u>Bearing trees (Excluding lemons)</u> Apply as a high volume full cover spray at 100% petal drop or shortly thereafter when first infestations are noticed. Repeat application when monitoring indicate that threshold levels are reached or 6 weeks after first application
Red Scale (<i>Aonidiella aurantii</i>)	50 g/ 100ℓ water	<u>Nurseries and non-bearing transplanted trees</u> Apply as a high volume full cover-spray when infestations are first noticed and repeat when infestations re-occur or increase.
	50 g/ 100ℓ water	<u>Bearing trees (Excluding lemons)</u> Apply as a high volume full cover spray targeting foliage and branch framework at or shortly after 100% petal drop when the pest is first noticed. Repeat after 6 weeks or when monitoring indicate that threshold levels are reached.
Aphids (<i>Aphis gossypii</i>) (<i>Toxoptera citricida</i>)	40 g/ 100ℓ water	<u>Nurseries and non-bearing transplanted trees</u> Apply to the outside foliage of the trees in a film wet application when infestation are first noticed or predicted.
	40 g/ 100ℓ water	<u>Bearing trees (Excluding lemons)</u> Apply to the outside foliage of the trees in a film wet application when infestations are first noticed or predicted – within 6 weeks after 100 % petal drop.
Leafminer (<i>Phyllocnistis citrella</i>)	40 g/ 100ℓ water	<u>Nurseries and non-bearing transplanted trees</u> Apply to the outside foliage of the trees in a film wet application when infestation are first noticed or predicted.
	40 g/ 100ℓ water	<u>Bearing trees (Excluding lemons)</u> Apply to the outside foliage of the trees in a film wet application when infestations are first noticed or predicted – within 6 weeks after 100 % petal drop.
Psylla (<i>Trioza eryteae</i>)	40 g/ 100ℓ water	<u>Nurseries and non-bearing transplanted trees</u> Apply to the outside foliage of the trees in a film wet application when infestation are first noticed or predicted.
	40 g/ 100ℓ water	<u>Bearing trees (Excluding lemons)</u> Apply to the outside foliage of the trees in a film wet application when infestations are first noticed or predicted – within 6 weeks after 100 % petal drop.

Note: For the control of Mealy Bug and Red Scale in bearing Citrus trees the use of day degree models may be of assistance to determine timing of application.

CROP-TOMATO/PEST	DOSAGE	APPLICATION DIRECTIONS
American Leafminer (<i>Liriomyza trifoli</i>)	50 g/ 100ℓ water	Apply as a full cover spray to ensure proper wetting and coverage of the foliage – at the first appearance of the pest. Repeat at weekly intervals.
White Fly (<i>Bemisia tabaci</i>)	50 g/ 100ℓ water	Apply as a full cover spray to ensure proper wetting and coverage of the foliage – at the first appearance of the pest. Repeat at weekly intervals.
CROP-WHEAT/PEST	DOSAGE	APPLICATION DIRECTIONS
Brown Ear Aphid (<i>Sitobion avenae</i>) Common wheat aphid (<i>Schizaphis graminum</i>) Oat aphid (<i>Rhopaloshihum padi</i>)	50 g/ 100ℓ water	Apply when the pest is first noticed and repeat when necessary. Do not apply later than the ear emergence stage. Apply in a spray mix containing a minimum of 75 ℓ water per hectare. Ensure proper wetting of plants.
CROP-GRAPES/PEST	DOSAGE	APPLICATION DIRECTIONS
Table Grapes: Mealy bug (<i>Planococcus ficus</i>)	50 g + buffering agent	Monitor for mealy bug males using pheromone traps. When the threshold have been reached, wait for crawler movement and apply only once when mealy bug crawlers are observed on bases of shoots or leaves. Continue monitoring and follow up with another registered product with a different mode of action if required. The use of Dominate 20 SP in summer must be preceded by a winter program against mealy bug with a registered contact insecticide. Observe the withholding period.