

Dodo 20 SP

Reg. No.: L 11501 Act /Wet No. 36 of/van 1947

A water soluble powder, systemic insecticide with contact and stomach action for the control of pests as indicated on crops.

ACTIVE INGREDIENT

IRAC INSECTICIDE GROUP CODE

4A

Acetamiprid (neonicotinoids) 200 g/kg



WARNING

HAZARD STATEMENTS: May be harmful if swallowed | Harmful to aquatic life with long-lasting effects.

PRECAUTIONARY STATEMENTS: If medical advice is needed: Have product container or label at hand | Keep out of reach of children, uninformed persons and animals | Avoid release into the environment | Wear protective gloves, protective clothing, eye protection, face protection | Dispose of container and contents in accordance with local/national regulations.

Registration holder: Green Island Investments (Pty) Ltd.

Co. Reg. No.: 2013/043963/07

P.O. Box 1822, Heidelberg 1438, South Africa

Tel: 078 737 9236

24 HR EMERGENCY NUMBERS

Griffon Poison Information Centre: +27 82 446 8946

24 Hr Transport / Spill emergency no:

(Hazcall24) +27 86 044 4411 (Typhoon Plant Protection)

Distributed by: Typhoon Plant Protection (Pty) Ltd.

Co. Reg. No.: 1998/006156/07, C/O Farm Vlakfontein

Corner of the R23 Benoni Road & R550 Nigel Road

Brakpan District, Heidelberg 1438, Gauteng, South Africa

Tel: 078 737 9236

Net Mass/Volume:

kg

Expiry Date:

Batch No:

Date of Manufacture:

U.N. No. Not regulated

 **Typhoon**
PLANT PROTECTION



READ LABEL IN DETAIL BEFORE OPENING THE CONTAINER. FOR FULL PARTICULARS, SEE ENCLOSED LEAFLET.
KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

WARNINGS:**Withholding periods:**

Allow the following minimum number of days between the last application and harvest or feeding:	
Apples and Pears	50 days
Citrus	150 days
Potatoes	21 days

NOTE: The recommended withholding period between last application and harvest meets local residue requirements but may not meet export requirements. If the crop is intended for the export market, consult the relevant exporting body before application of the product with regard to pre-harvest interval requirements.

HAZARD STATEMENTS:

- May be harmful if swallowed.
 - Harmful to aquatic life with long lasting effects.
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- Harmful when swallowed or inhaled.
 - Inhalation of the dust and spray mist may cause irritation of the nose, throat and lungs. Cause mild to moderate irritation to the skin and eyes.
 - May be harmful to aquatic organisms and toxic to honey bees. The product may be used in flowering crops during flowering as the possible risk to bees from the use of the product is considered minimal. **Do not** spray directly onto bees or when bees are active in the crops.
 - Store in a cool, dry place and away from food, feeds and seed. Keep out of reach of children, uninformed persons and animals.
 - **Re-entry:** **Do not** enter treated area, until spray deposit has dried unless wearing protective clothing.
 - **Aerial application:** notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. **Do not** spray over or allow spray drift to contaminate adjacent areas or water.

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 conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water; incompatibility 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:

PRECAUTIONARY STATEMENTS:

- Avoid release to the environment.
 - Wear protective gloves, protective clothing, eye protection, face protection.
 - Dispose of container and contents in accordance with local/national regulations.
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- Wear protective clothing, suitable mask or face shield, rubber gloves and rubber boots when handling and mixing the product and whilst applying the spray mixture.
 - In case of skin contact, remove contaminated clothing, shoes and leather goods. Wash skin gently and thoroughly with clean, cold water and non-abrasive soap. **Do not** rub the skin. Obtain medical attention if irritation persists.
 - In case of eye contact, **immediately** flush eyes with copious amounts clean, cold water for at least 15 to 20 minutes, holding the eyelid(s) open. Obtain medical attention if irritation persists.
 - In case of ingestion, **do not induce vomiting. Do not** give anything by mouth to an unconscious person. Obtain medical attention immediately and make the container, or label or Safety Data Sheet available. If the person is alert, rinse mouth thoroughly with water and give one or two glasses of water to drink.
 - Wash with soap and water after use and accidental skin contact. Wash contaminated clothing after use.
 - **Do not** eat, drink or smoke while mixing or applying the product or before washing hands and face and changing clothing.
 - Avoid drift of spray mist onto other crops, grazing, rivers, dams and areas not under treatment.
 - Clean application equipment and mixing buckets after use. Dispose of wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.
 - Containers and packages must be completely emptied before being disposed of.
 - Shake out thoroughly into the mixing bucket, drum or mixing tank before destroying the empty container and package.
 - Destroy empty container and package and never re-use the empty container for any other purpose.
 - Prevent contamination of food, feeds, drinking water and eating utensils.

Related ingredients:

Substance/Mixture: Mixture Ingredients:

Hazardous Components:		
Substance name (IUPAC)	CAS - No.	Concentration % By weight
Acetamiprid (Active Ingredient)	135410-10-7	20%
Dodecylbenzene sulfonic acid, sodium salts	25155-30-0	>10%
White Carbon Filler	7440-44-0	65%

SYMPTOMS OF HUMAN POISONING:

May irritate the eyes and skin.

FIRST AID TREATMENT:

- Remove from source of exposure. Wash affected area.
- **Eye and skin contact:** Flush eyes with water for 15 minutes after eye contact.
- Wash with soap and water after skin contact.
- Should irritation of skin or eyes persist, consult a physician.
- **Inhalation:** Remove to fresh air. Assist breathing if necessary. Get medical attention.
- **Ingestion:** Wash out mouth. Give a spoon of activated charcoal in a glass of water. Get medical attention.
Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN:

Treat symptomatically.

RESISTANCE WARNING

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

Take note that acetamiprid is chemically related to other neonicotinoid products, e.g. imidacloprid. To minimize the possibility of resistance, apply a maximum of 2 neonicotinoid treatments per growing season.

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 other control methods (chemical, cultural, biological) into insect control programmes.

For specific information on resistance management contact the registration holder of this product.

USE RESTRICTIONS

Do not treat trees or plants which are under stress e.g. stress as a result of water logging, drought, soil compaction, nutrient deficiencies, root and stem diseases, nematodes, etc.

Do not treat trees in the post-harvest period as the systemic action and translocation of the product would be adversely affected.

Treat trees and plants when growing actively.

Take note that low temperatures will reduce the rate of systemic translocation from site of application to the target insect pests.

Dust on plants will adversely affect optimum uptake and activity of the product.

Very Important: The choice of products to be used during one growing season should take resistance strategy in consideration. Adhere to the instructions under **“Resistance Warning”** above.

DIRECTIONS FOR USE: Use only as indicated.

Compatibility:

- It is recommended to do a compatibility test on a small scale before using **DODO 20 SP** in a tank mixture with other agrochemicals.
- **DODO 20 SP** is not compatible with chemicals with strong alkaline reaction upon dilution or strong alkaline spray water.
- Therefore, always ensure the pH of the spray water is between 4,5 and 6,5 before adding **DODO 20 SP**. Use a buffer to ensure the water is the desired pH.
- Always refer to the label of the product which is to be used or tank mixed with **DODO 20 SP** and adhere to the **warnings, precautions, restrictions and instructions.**

Mixing Instructions:

- Half-fill the spray tank with clean water.
- Ensure that the pH of the spray water is between 4,5 and 6,5. If not, buffer the spray water with an approved buffer.
- Measure out the required quantity of **DODO 20 SP** and premix with at least 10 litres of the already buffered spray water.
- Add this premix to the spray tank while agitating.
- If used in mixtures with EC, EW or oil containing adjuvants, these products must be added last to the spray tank, when the tank is nearly filled with water to the final mixture volume.
- Agitate the mixture in the spray tank and add the second premixed product to the tank, provided **DODO 20 SP** has been completely dissolved.
- Fill the spray tank with water to the required volume, while maintaining agitation to ensure thorough mixing.
- Maintain agitation during spraying.
- Use the prepared mixture immediately. **Do not** allow to stand overnight.

AERIAL APPLICATION

Aerial application may only be done by a registered aerial application operator using a registered and correctly calibrated aircraft according to the instructions of SANS 10118:2009 (The Aerial Application of Pesticides). It is important to ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

Volume: A spray volume of 35 litres per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.

Droplet coverage: 30 – 45 droplets per cm² must be recovered at the target area.

Droplet size: A droplet spectrum with a VMD of 350 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.

Flying height: Maintain the height of the spray boom at 2 to 3 metres above the target. **Do not** spray when aircraft dives, is in a climb or when banking.

Use suitable **atomising equipment** that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.

Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the **wingtip vortices**.

The difference in **temperature** between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.

Stop spraying if the **wind speed** exceeds 15 km/h.

Stop spraying under **turbulent**, unstable and dry conditions during the heat of the day.

Apply before the crop growth becomes too dense, which will interfere with overall plant coverage.

Spraying under temperature **inversion conditions** (spraying in or above the inversion layer) and/or **high humidity conditions** (relative humidity 80 % and above) may lead to the following:

- reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage),
- damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.

Ensure that the Aerial Spray Operator knows exactly which fields to spray.

Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

APPLICATION RATES

NOTE: Always refer to and observe the withholding periods listed under “WARNINGS” above.

CROP AND PEST:	DOSAGE:	REMARKS:
Apples and Pears Codling moth (<i>Cydia pomonella</i>)	50 g / 100 ℓ water PLUS BUFFER	Please note the withholding period. Apply mid-November to mid-December (during the first or early second-generation Codling moth) at 10 to 14-day intervals. DO NOT exceed two (2) applications per season. Apply DODO 20 SP as part of a Codling moth spray programme and incorporating other registered, non-related insecticides.
Apples Woolly aphid (<i>Eriosoma lanigerum</i>)	50 g / 100 ℓ water PLUS BUFFER	Suppression of Woolly Aphid. Apply as a full cover spray when the pest starts to migrate upwards into the trees, or when first noticed. Apply a second treatment two (2) weeks later. Effective complete coverage is essential.
Pears Mealy bug (<i>Pseudococcus obscurus</i>)	50 g / 100 ℓ water PLUS BUFFER	Apply when crawlers start moving, but before they enter the calyx end of the fruit. Repeat the application if necessary 10 to 14 days later. DO NOT exceed two (2) applications per season. These sprays will also control Codling moth but should not exceed a spray interval of 14 days.

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CROP AND PEST:	DOSAGE:	REMARKS:
CITRUS Citrus hrips (<i>Scirtothrips aurantii</i>) Nurseries and non-bearing transplanted trees	40 g / 100 ℓ water	Outside cover application. Repeat when infestation level increases again.
Bearing trees (excluding lemons)	40 g / 100 ℓ water	Preventative outside cover treatment at or shortly after 100 % petal fall when 2 % of the fruit are infested. Repeat when threshold is exceeded again, but not later than six (6) weeks after first application.
Mealybugs (All species) Nurseries and non-bearing transplants	40 g / 100 ℓ water	Full cover spray when infestation is noticed. Repeat application when infestation level increases again.
Bearing trees (excluding lemons)	50 g / 100 ℓ water	Full cover spray when pest is noticed at 100 % petal fall. Repeat if necessary, within six (6) weeks.
Citrus red scale (<i>Aonidiella aurantii</i>) Nurseries and non-bearing transplants	50 g / 100 ℓ water	Full cover spray when infestation is noticed. Repeat application when infestation increases again.
Bearing trees (excluding lemons)	50 g / 100 ℓ water	Apply as a full cover spray to branch framework and foliage when the pest is noticed at 100 % petal fall. If scouting indicates such, repeat within six (6) weeks or apply another registered product.
Aphids (<i>Aphis gossypii</i> , <i>Toxoptera citricida</i>)	40 g / 100 ℓ water	(i) Nursery and non-bearing trees. Outside cover application, repeat when the threshold is exceeded again. (ii) Bearing trees (excluding lemons). Outside cover application when control is required during the first 6 weeks of petal fall.

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CROP AND PEST:	DOSAGE:	REMARKS:
Potatoes Green peach aphid (<i>Myzus persicae</i>) Whitefly (<i>Bemisia tabaci</i>)	50 g / ha PLUS (50 ml / 100 l water) BUFFER	Ground foliar application: Apply in 500 litres water. Apply as a foliar spray when infestations reach a treatment (or economic) threshold. Even and thorough coverage is essential. If repeated applications are required, alternate with products from a different mode of action group. DO NOT exceed three (3) treatments per season.
American Leafminer (<i>Lyriomyza trifolii</i>)	50 g / ha PLUS (50 ml / 100 l water) BUFFER	Apply first treatment as soon as the puncture marks appear on the bottom leaves: Apply in 500 to 1000 litres water per hectare. Ensure good coverage of all foliage as it is important for optimal efficacy. Apply up to three (3) treatments at 7-day intervals.