

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Fungicide



**NUGGET 660 WDG**

Reg. No. L 9287 Act/Wet No. 36 of/van 1947

1: 18/7/2013 – May 2017

*A wettable granular fungicide for the control of scab on pome fruit.*

*'n Benatbare korrel swamdoder vir die beheer van skurfsiekte op kernvrugte.*

**ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL**

dithianon (quinone) **660 g/kg** ditianon (kinoon)

FRAC FUNGICIDE GROUP CODE **M9** FRAC SWAMDODER GROEPKODE

kg

**villa**

Registration holder / Registrasiehouer:

Villa Crop Protection (Pty) Ltd.

Co. Reg. No. / Mpy. Reg. Nr. 1992/002474/07

PO Box / Posbus 10413, Aston Manor, 1630

Tel: 011 396 2233

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

**UN Number: 3077**

Willow Set & Print 011 394-4486

GEBRUIKSAANWYSLINGS INGESLUIT

VERWYS NA BESONDERHEDE  
GEDRUK OP HOUER/SAK

Date formulated:  
Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED  
REFER TO DETAILS PRINTED  
ON CONTAINER/BAG

Batch number:  
Lotnommer:



**CAUTION  
VERSIGTIG**



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dithianon (quinone) / dithianon (kinoon) ..... 660 g/kg

Registration holder / Registrasiehouer:

**VILLA CROP PROTECTION. (PTY) LTD**

Co. Reg. No. 1983/008184/07 Mpy. Reg. Nr.

P.O. Box / Posbus 10413, ASTON MANOR, 1630.

TEL: (011) 396 2233

**CAUTION / VERSIGTIG****WARNINGS****Withholding periods:**

Minimum time between the last application and harvest or feeding:	
Apples and Pears	21 days

**NOTE**

**ABOVE-MENTIONED WITHHOLDING PERIODS REFER TO COMPLIANCE WITH LOCAL MAXIMUM RESIDUE LIMITS (MRL'S). HOWEVER, IT IS IMPORTANT TO NOTE THAT IMPORT TOLERANCES OF OTHER COUNTRIES MIGHT POSSIBLY BE EXCEEDED. IF THE TREATED CROP WILL BE EXPORTED, FIRST CONSULT THE RELEVANT IMPORTER OR EXPORTING BODY REGARDING THE USE OF THIS PRODUCT, MRL'S AND RECOMMENDED WITHHOLDING PERIODS.**

- Harmful if inhaled.
- Poisonous if swallowed.
- Harmful to fish.
- Will cause damage to the eyes and irritate the skin.
- Repeated exposure may cause allergic disorders.
- Store away from food, feeds, seed, fertilizers and other agricultural chemicals.
- Store in a cool, dry, well-ventilated place in the original container/bag, tightly closed and secured and out of sunlight.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area within 1 day after treatment 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 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 diseases 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**

- Avoid inhalation of the dust.
- Avoid contact of product with skin and eyes.
- Wear cotton overalls buttoned to the neck and a washable hat, elbow-length PVC gloves and goggles. wrist and a washable hat when opening the container/bag, preparing spray and using
- Wash with soap and water after use and accidental skin contact.
- In case of eye contact, immediately flush the eyes with clean, cold water for 15 minutes, holding the eyelid(s) open. If irritation persists, seek medical advice.
- Wash contaminated clothes, gloves and goggles daily after use.
- Do not eat, drink or smoke whilst applying or mixing, or before washing hands, arms and face thoroughly or change of clothing.
- Prevent contamination of other crops, grazing, springs, rivers, dams or any other area not under treatment.

- Shake container/bag contents into spray tank until the container/bag is empty.
- Clean the spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- Destroy the empty container/bag by perforation and flattening and dispose of it by burying it in a local landfill. If no landfill is available, bury the containers/bags below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.
- Do not dispose of undiluted chemicals on-site.
- Empty containers/bags and product should not be burnt.
- **Never** re-use an empty container/bag for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

### **RESISTANCE WARNING**

**NUGGET 660 WDG** is a group code M9 fungicide. Any fungus population may contain individuals naturally resistant to **NUGGET 660 WDG** and other group code M9 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **NUGGET 660 WDG** or any other group code M9 fungicide.

To delay fungicide resistance:

- avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes,
- integrate other control methods (chemical, cultural, biological) into disease control programmes.

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

### **USE RESTRICTIONS**

- Do not apply if it is likely to rain before spray is dry.
- Do not apply to wet crops.
- Do not apply **NUGGET 660 WDG** on Doyenne du Comice and Kieffer pears.
- Do not apply under slow drying conditions as an increase in fruit russet may occur.
- If climatic conditions at the time of application result in slow drying of the spray deposit, some varieties of fruit may show minor skin russet.
- Do not apply **NUGGET 660 WDG** within 14 days before, or following an application of a mineral oil to the crop.

### **DIRECTIONS FOR USE: Only use as directed.**

#### **Compatibility:**

- **NUGGET 660 WDG** is compatible with other insecticides and fungicides, however, physical compatibility tests, as well as a small scale test on the crop, must always be done before large scale commercial use of such a mixture, to confirm physical compatibility and crop safety.
- **NUGGET 660 WDG** is not compatible with alkaline materials such as **Lime sulphur, Lime** and **Bordeaux** mixture.
- Under certain conditions it is incompatible with spraying oils and some other liquid formulations (Refer above).

#### **Mixing instructions:**

- Half fill the tank with clean water and ensure that agitation takes place in the tank.
- Measure the required volume of **NUGGET 660 WDG** and pre-mix this with at least 10 litres water.
- If any other products are to be mixed with **NUGGET 660 WDG**, the required volume of the products must be pre-mixed in similar fashion.
- Agitate the water in the spray tank and add the product(s) to the tank in the following sequence (as applicable): Wettable/soluble powders, suspension concentrate, water soluble concentrate, emulsifiable concentrate.
- Fill the spray tank with water to the required level while maintaining agitation to ensure thorough mixing of the spray mixture before spraying commences.
- Maintain agitation while spraying.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

**Application:**

- Apply **NUGGET 660 WDG** with correctly calibrated spray equipment that is in good working order.
- The spray volume required for a specific growth stage must be determined accurately according to the Tree-Row-Volume method as described by Unrath (*Deciduous Fruit Grower*, November 1986). The application volume rate per hectare is then determined according to the spray volume calculated for high volume application per hectare.

**APPLICATION RATES**

<b>Crop / Disease</b>	<b>Dosage rate</b>	<b>Remarks</b>
<b><u>Apples</u></b> Apple Scab ( <i>Venturia inaequalis</i> )	35 g / 100 ℓ water	<b>Apply NUGGET 660 WDG as part of a spray programme.</b>  <b><u>USE STRICTLY PREVENTIVELY:</u></b>  <u>Pre-flowering:</u> Apply at 7 day intervals from green tip stage till 75 % petal fall. <u>Post flowering:</u> From 75 % petal fall, continue at 14 day intervals until middle December.
<b><u>Pears</u></b> Scab ( <i>Venturia pirina</i> )		