

SHARDA

DIFLUBENZURON 250WP

FLY & MOSQUITO LARVICIDE

Reg. No./Nr. L 9413
Act/Wet No./Nr. 36 of/van 1947

An insect larvicide (IGR) for the control of flies and mosquito larvae in their breeding sites and fungus flies and gnats in mushroom cultivation.

'n Insek-larfdoder (IGR) vir die beheer van vlieë en muskietlarwes in hulle broeiplekke en swamvlieë en muggies in sampioenverbouing.

IRAC INSECTICIDE GROUP CODE

A15

IRAC INSEKDODER GROEP KODE

ACTIVE INGREDIENT:

Diflubenzuron (benzoylurea) 250 g/kg

AKTIEWE BESTANDEEL:

Diflubensuron (bensoielureum)

NET VOLUME

1 kg

NETTO INHOUD

BATCH NUMBER

LOTNOMMER

DATE MANUFACTURED

DATUM VERVAARDIG

REGISTERED BY / GEREGISTREER DEUR:

Sharda International Africa (Pty) Ltd.

Co. Reg. No.: 2010/002268/07

+27 (0) 31 764 3011 / +27 (0) 87 822 2397

P.O. Box 82021, Southdale

Johannesburg, South Africa, 1235

shardaafrica.com

DISTRIBUTED BY / VERSPREI DEUR:

Henning & Henning (Pty) Ltd. t/a

Henchem Environmental Management Solutions

Co. Reg. No.: 2018/390446/07

+27 (0) 21 948 7366 / +27 (0) 82 416 5077

6B Palmiet St., Stikland, Cape Town, 7530

www.henchem.co.za

UN No. / VN Nr. 3077



henchem
environmental management solutions



**CAUTION
VERSIGTIG**



WARNINGS

- May cause slight eye irritation.
- Keep out of reach of children, uninformed persons & animals.
- Store under lock and key away from food and feed.
- Re-entry interval: Do not enter the treated area until the spray deposit has dried unless wearing 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

- Avoid inhalation of dust when mixing & mist when spraying.
- Avoid eye contact and excessive skin contact.
- Wear a face mask when using the powder.
- Do not eat, drink or smoke while mixing, applying or before washing hands and face.
- Prevent contamination of food, feed, eating utensils and drinking water.
- Prevent spray drift onto other crops, grazing, water bodies and areas not under treatment.
- Rinse the empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsing water to the contents of the spray tank before disposing of the container in the prescribed manner.

DIRECTIONS FOR USE (USE ONLY AS DIRECTED)

MIXING INSTRUCTIONS: Mix the required amount of Sharda Diflubenzuron 250 WP in 2 to 5 ℓ water; fill the spray tank with clean water and add the Sharda Diflubenzuron 250 WP slurry to the water in the spray tank. Agitate the mixture in the spray tank continuously while spraying.

APPLICATION INSTRUCTIONS

MUSHROOM GROWING: Sharda Diflubenzuron 250 WP will have no effect on adult flies in the mushroom house. It is therefore important to apply a registered insecticide space spray before the application of Sharda Diflubenzuron 250 WP. Apply Sharda Diflubenzuron 250 WP immediately after casing and disinfection. Apply once only as an even spray deposit on the casing layer.

POULTRY MANURE: Apply as a full cover spray to poultry manure at 7-day intervals.

MOSQUITOES: Dilute the required quantity of Sharda Diflubenzuron 250 WP in the volume of water required to give complete even droplet cover of the target area depending on the spray equipment used. High or low volume spray equipment can be used.

If Ultra Low Volume (ULV) spraying is used, a non-phytotoxic crop oil should be added to the spray solution at the ratio of 2 parts water to 1 part oil and applied at 3.0ℓ solution/ha.

Application should commence once the 1st and 2nd instar mosquito larvae are present in the water body. Regular scouting should be done and Sharda Diflubenzuron 250 WP re-applied when young larvae are again present. Sharda Diflubenzuron 250 WP will dissipate and re-application is necessary.

MUSHROOMS	DOSAGE	REMARKS
Fly Larvae (<i>Maggots</i>)	60 g in 10ℓ water (100 g / 16ℓ / 33.33 m ³)	Apply 1 ℓ spray solution per 2 m ² and repeat at weekly intervals.
Mosquito Larvae (<i>Aedes</i> , <i>Anopheles</i> and <i>Culex</i> species)	Clear surface water: 100-200 g per ha	Apply when mosquito larvae are small (1st and 2nd instar). Scout regularly and re-apply when small larvae re-appear.
	Polluted surface water: 200-400 g per ha	<u>Apply after casing and disinfection.</u>
Fungus Gnat Larvae (<i>Lycorididae</i> , <i>Phoridae</i> , <i>Sciaridae</i>)	400 g per 100 m ² in 100-150 ℓ water	Ensure an even spray distribution on the casing.

What is a Larvicide (IGR): This product does not directly kill larvae. An insect growth regulator stops the development of chitin in the insect larvae skin, which stops the development of the larvae. This process can take between 1 and 3 days. Mammals, fish and birds don't have chitin in their bodies, which result in low toxicity.

WAARSKUWINGS

- Mag ligte oogirritasie veroorsaak.
- Hou buite die bereik van kinders, oningeligte persone en diere.
- Berg onder slot en grendel weg van voedsel en voer.
- Herbetredingsinterval: Moet nie behandelde area binnegaan voordat die spuitneerslag drooggeword het nie tensy beskermende klere gedra word.

Hoewel hierdie insekdooder onder 'n groot verskeidenheid klimaatstoestande getoets is, waarborg die registrasiehouer nie dat hierdie produk onder alle omstandighede doeltreffend en veilig op die gewas sal wees nie gesien die uitwerking van die chemika-leë deur faktore soos abnormale klimaats- en bergingstoestande sowel as die metode en akkuraatheid van toediening beïnvloed word. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir gewasskade of vir ondoeltreffendheid as gevolg van die versuim van die gebruiker om die etiketaanbevelings na te volg of as gevolg van die ontstaan van toestande wat die registrasie-houer nie redeliker wyse kon voorsien nie. Raadpleeg u verskaffer in geval van enige onsekerheid.

VOORSORGMATREËLS

- Vermyn inaseming van stof terwyl gemeng word en spuitmis wanneer toegedien word.
- Vermyn oogkontak en oormatige vel kontak.
- Dra 'n gesigskerm met die meng van die poeier.
- Moet nie eet, drink of rook tydens toediening of voordat hande en gesig gewas is nie.
- Voorkom die besoedeling van voedsel, voer, eetgerei en drink water.
- Voorkom spuitstofwegdrywing na ander gewasse, weiding, waterligame en areas wat nie behandel word nie.
- Spoel die leë houer drie keer uit met 'n volume water gelyk aan ten minste 10% van die van die houer en voeg die uitspoelwater by die inhoud van die spuitnek voordat van die houer op die voorgeskrewe metode vernietig word.
- Vernietig leë houer deur gate in te maak en plat te slaan. Moet vir geen ander doel weer gebruik nie.
- Maak die toedieningsapparaat skoon na gebruik en raak ontslae van die waswater waar die nie gewasse, weiding of waterligame sal besoedel nie.

GEBRUIKSAANWYSINGS (GEBRUIK SLEGS SOOS AANGEDUI)

MENGINSTRUKSIES: Meng die benodigde hoeveelheid Sharda Diflubenzuron 250 WP in 2 tot 5 ℓ water; vul die spuitnek met skoon water en voeg die Sharda Diflubenzuron 250 WP -suspensie by die water in die spuitnek. Roer die mengsel deurlopend in die spuitnek terwyl gespuit word.

TOEDIENINGSINSTRUKSIES

SAMPROMO GROEI: Sharda Diflubenzuron 250 WP het geen invloed op volwasse vlieë in die sampioenhuis nie. Dit is dus belangrik om 'n geregistreerde insekdoder spuitbespuiting voor die toediening van Sharda Diflubenzuron 250 WP toe te dien. Dien Sharda Diflubenzuron 250 WP toe onmiddellik na omhulsel en ontsmetting. Dien slegs een keer toe as 'n egalige spuitneerslag op die omhulsel.

VEELMIS: Dien toe as 'n volle dekbespuiting op pluimveemis met tussenposes van 7 dae.

MUSKIETE: Verdun die benodigde hoeveelheid Sharda Diflubenzuron 250 WP in die hoeveelheid water wat benodig word om 'n volledige, egalige druppelbedekking van die teikenarea te gee, afhangende van die spuittoerusting wat gebruik word. Hoë of lae volume spuittoerusting kan gebruik word.

As u Ultra Low Volume (ULV) bespuiting gebruik, moet 'n nie-fitoksiene gewasolie by die spuitplossing gevoeg word in die verhouding van 2 dele water tot 1 deel olie en toegedien word met 3.0ℓ oplossing /ha.

Toediening moet begin sodra die 1^{ste} en 2^{de} stadium muskietlarwes in die waterliggaam voorkom. Gereelde ondersoek moet gedoen word en Sharda Diflubenzuron 250 WP weer toegedien word wanneer jong larwes weer voorkom. Sharda Diflubenzuron 250 WP verdwyn en herbespuiting is nodig.

SPESIED	DOSIS	REMARKS
Vliegjarwes (Maaiers)	60 g in 10 ℓ water (100 g / 16ℓ / 33.33 m ²)	Dien 1 ℓ spuitoplossing per 2 m ² toe en herhaal weekliks.
Muskiet Larwes (<i>Aedes</i> , <i>Anopheles</i> en <i>Culex spesies</i>)	Helder oppervlakwater: 100-200 g per ha Besoedelde oppervlakwater: 200-400 g per ha	Dien toe wanneer muskiet larwes klein is (1 ^{ste} en 2 ^{de} instar). Verken gereeld en hertoedien sodra klein larwes weer verskyn.
Sampioenmuggie Larwes (<i>Lycoridæ</i> , <i>Phoridæ</i> ,	400 g per 100 m ² in 100-150 ℓ water	Dien toe na afdekking en ontsmetting. Verseker 'n egalige spuitverspreiding op die afdekking.

Hoe werk inseklarf doder (IGR): Hierdie produk dood nie larwes direk nie. Insek groei reguleerders stop die vorming van chitien in die larf se vel, wat tot die dood van die larwe oor 1-3 dae lei. Soogdiere, visse en voels het nie chitien in hulle liggame nie wat tot lae toksisiteit lei.