



# SIVANTO<sup>®</sup>

prime

5 l

## Insecticide

A soluble concentrate insecticide for the control of aphids and whiteflies on the crops listed.

contains:  
Flupyradifurone  
(Butenolide)



# SIVANTO<sup>®</sup>

## prime

SEE ENCLOSED PAMPHLET FOR FULL PARTICULARS

Reg. No. L10776 (Act No. 36 of 1947)  
Namibian Registration No. N-AR 2084

**A soluble concentrate insecticide for the control of aphids and whiteflies on the crops listed.**

SIEN INGESLOTE PAMFLET VIR VOLLEDIGE BESONDERHEDE

Reg. Nr. L10776 (Wet Nr. 36 van 1947)  
Namibiese Registrasie Nr. N-AR 2084

**'n Oplosbare konsentraat insekdoder vir die beheer van plantuise en witvlieg op gewasse soos aangedui.**

GROUP / GROEP 4D INSECTICIDE / INSEKDODER



**WARNING**

#### HAZARD STATEMENTS:

Harmful if inhaled. May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs (muscle) through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

#### PRECAUTIONARY STATEMENTS:

Wear protective gloves/ protective clothing/ eye protection/ face protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.

#### Active ingredient:

Flupyradifurone (Butenolide)..... 200 g/l

#### Aktiewe bestanddeel:

Flupyradifurone (Butenolide)..... 200 g/l

**REGISTERED BY / GEREKISTREER DEUR:** Bayer (Pty) Ltd / (Edms) Bpk

Reg. 1968/011192/07

P.O. Box/Posbus 143, Isando, 1600 South Africa/Suid-Afrika

TEL: (OFFICE HOURS) / (KANTOORURE) (011) 921 5911

**IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL ASSEBLIEF :** 0861 555 777

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**Sivanto<sup>®</sup>** is 'n geregistreerde handelsmerk van die Bayer AG.

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**BATCH NUMBER / LOTNOMMER:** See on pack

**DATE OF MANUFACTURE / DATUM VERVAARDIG:** Sien op houër

UN No. / VN Nr.: 3082

**Bayer**

RSA/0823/Sivanto Prime 5L/  
Label and Booklet Code: ZA84946265F

## **WARNINGS:**

### **HAZARD STATEMENTS:**

- Harmful if inhaled.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- May cause damage to organs (muscle) through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.

**WHEAT:** ALLOW 57 DAYS BETWEEN LAST APPLICATION AND HARVEST.  
**BARLEY:** ALLOW 54 DAYS BETWEEN LAST APPLICATION AND HARVEST.  
**STONEFRUIT:** ALLOW 35 DAYS BETWEEN LAST APPLICATION AND HARVEST.  
**TOMATOES:** ALLOW 3 DAYS BETWEEN LAST APPLICATION AND HARVEST.

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

**Do not apply more than once on wheat, barley and stone fruit**

**Do not apply more than 3 sprays per season on tomatoes.**

Harmful if inhaled.

May cause an allergic skin reaction.

Very toxic to aquatic life with long lasting effects.

Store in a cool place away from food and feedstuffs.

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.

**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 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:**

- Wear protective gloves/ protective clothing/ eye protection/ face protection.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.

Do not inhale fumes or spray mist.

Wear rubber gloves, overall and eye protection.

Avoid contact with skin, eyes and clothing.

Wash contaminated clothing daily.

Wash hands immediately after work, if necessary take a shower.

Wash immediately with soap and water after accidental skin contact.

Do not eat, drink or smoke whilst mixing and applying or before washing hands and face.

Prevent contamination of food, feeds, eating utensils and drinking water.

Prevent drift onto other edible crops, grazing, rivers, dams and areas not under treatment.

Clean applicator thoroughly before re-using with other material. Dispose of wash water where it will not contaminate food, grazing or water.

Rinse empty container three times with a volume water equal to at least one tenth of that of the container and add the rinsings to the contents of the spray tank before disposing of the container in the prescribed manner.

Destroy empty container by perforation and flattening and do not re-use for any other purpose.

#### **RELEVANT SUBSTANCES:**

| Formulation inert                                       | CAS Number  | Conc. (%) |
|---------------------------------------------------------|-------------|-----------|
| Flupyradifurone                                         | 203313-25-1 | 17.1      |
| Propylene carbonate                                     | 108-32-7    | >10       |
| Oxirane, methyl-, polymer with oxirane, monobutyl ether | 9038-95-3   | >25       |

#### **RESISTANCE MANAGEMENT:**

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

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate with registered products from different insecticide group codes.
- Avoid using Group 4 compounds for more than 50% of the crop cycle. Refer IRAC instructions on use of insecticides: (<http://www.irac-online.org/documents/group-4-imm-guidelines/>).
- Integrate other control methods (chemical, cultural, biological) into insect control programs.

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

#### **DIRECTIONS FOR USE:** USE ONLY AS DIRECTED.

For withholding periods that has to be allowed between application and harvest refer to "**WARNINGS**" above.

**Ground Application:** **Sivanto Prime** may be applied with conventional high-volume spray equipment. Calibrate the apparatus before application to ensure that the correct dosage is applied. The distribution of the spray volume must be uniform throughout the target area. Ensure good coverage of the whole plant by using enough water and suitable spraying equipment.

#### **MIXING AND SPRAYING INSTRUCTIONS:**

Ensure that application equipment is clean and not contaminated with other chemicals.

Half fill the spray tank with clean water. Add the required quantity of **Sivanto Prime** to the water in the spray tank and stir well. Apply in sufficient water to ensure good coverage and adjust the water volume according to the crop growth stage.

**COMPATIBILITY:**

**Sivanto Prime** is compatible with **Aviator Xpro** (Reg. No. L10089), **Resolve** (Reg. No. L8708), **Folicur 250 EW** (Reg. No. L3857), **Prosaro 250 EC** (Reg. No. L8510), **Prosper Trio** (Reg. No. L9083), **Nativo** (Reg. No. L8942) **Belt** (Reg. No. L8860), **Antracol 70 WP** (Reg. No. L2065), **Infinito 687.5 SC** (Reg. No. L8470), **Bulldock Beta 125 SC** (Reg. No. L7612), and in tank mixtures with **Resolve** (Reg. No. L8708) + **Prosaro 250 EC** (Reg. No. L8510), **Resolve** (Reg. No. L8708) + **Nativo** (Reg. No. L8942), **Bulldock Beta 125 SC** (Reg. No. L7612) + **Infinito 687.5 SC** (Reg. No. L8470), **Bulldock Beta 125 SC** (Reg. No. L7612) + **Antracol 70 WP** (Reg. No. L2065), **Belt** (Reg. No. L8860) + **Infinito 687.5 SC** (Reg. No. L8470) and **Belt** (Reg. No. L8860) + **Antracol 70 WP** (Reg. No. L2065).

**APPLICATION TABLE:**

| CROP/PEST                                                                                                                        | DOSAGE RATE                                       | REMARKS                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BARLEY &amp; WHEAT</b><br>Russian aphid<br><i>(Diuraphis noxia)</i><br>Oat aphid<br><i>(Rhopalosiphum padi)</i><br>Aphid spp. | 200 ml/ha                                         | Apply at first sign of infestation.                                                                                                                                                                                                                                                         |
| <b>STONE FRUIT</b><br><b>(Apricots, Nectarines, Peaches &amp; Plums)</b><br>Green Peach Aphid<br><i>(Myzus persicae)</i>         | 25 ml/100 ℓ                                       | Apply at first sign of infestation.<br>Application volume should not exceed 1 500 ℓ/ha                                                                                                                                                                                                      |
| <b>TOMATOES</b><br>Glasshouse Whitefly<br><i>(Trialeurodes vaporariorum)</i><br>Cotton Whitefly<br><i>(Bemisia tabaci)</i>       | 75 ml/100 ℓ<br>(Do not apply less than 375 ml/ha) | Apply at first sign of infestation or in a preventative spray program.<br>Repeat sprays at 7 to 10 day intervals.<br><b>Do not</b> apply more than 3 successive applications for a period longer than 21 days.<br>Ensure good coverage of the foliage, minimum application volume 500 ℓ/ha. |

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## **WAARSKUWINGS:**

### **GEVAARVERKLARINGS:**

- Skadelik indien ingeasem.
- Mag allergiese velreaksie veroorsaak.
- Veroorsaak ernstige oogirritasie.
- Mag skade aan organe veroorsaak (spiere) deur langdurige of herhaalde blootstelling.
- Baie giftig vir waterlewendende organismes met langdurige gevolge

|                     |                                                                        |
|---------------------|------------------------------------------------------------------------|
| <b>KORING:</b>      | <b>LAAT 'N MINIMUM VAN 57 DAE TOE TUSSEN LAASTE TOEDIENING EN OES.</b> |
| <b>GARS:</b>        | <b>LAAT 'N MINIMUM VAN 54 DAE TOE TUSSEN LAASTE TOEDIENING EN OES.</b> |
| <b>STEENVRUGTE:</b> | <b>LAAT 'N MINIMUM VAN 35 DAE TOE TUSSEN LAASTE TOEDIENING EN OES.</b> |
| <b>TAMATIES:</b>    | <b>LAAT 'N MINIMUM VAN 3 DAE TOE TUSSEN LAASTE TOEDIENING EN OES.</b>  |

**LET WEL:** Die aanbevole onthoudingsperiode tussen laaste toediening en oes voldoen aan die vereistes vir plaaslike residuvlakke maar mag dalk nie voldoen aan die vereistes vir uitvoer nie. Indien die behandelde gewas bestem is vir die uitvoermark, skakel met die betrokke uitvoerliggaam voor toediening van die produk, rakende onthoudingsperiodes.

**Moet nie meer as 1 bespuiting per seisoen op koring, gars en steenvrugte maak nie.**

**Moet nie meer as 3 bespuitings per seisoen op tamaties maak nie.**

Skadelik wanneer ingeasem.

Kan 'n allergiese vel reaksie veroorsaak.

Baie giftig vir akwatiese lewe met langdurige uitwerking.

Bewaar in 'n koel plek weg van voedsel en voer.

Hou buite bereik van kinders, oningeligte persone en diere.

**HERBETREDING:** Moet nie behandelde gebied betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.

**ALHOEWEL HIERDIE MIDDEL OMVATTEND ONDER 'N GROOT VERSKEIDENHEID TOESTANDE GETOETS IS WAARBORG DIE REGISTRASIEHOUE NIE DAT DIT ONDER ALLE TOESTANDE DOELTREFFEND SAL WEES NIE AANGESIEN DIE WERKING EN EFFEK DAARVAN BEÏNVLOED KAN WORD DEUR FAKTORE SOOS ABNORMALE KLIMAATS- EN BERGINGSTOESTANDE; KWALITEIT VAN VERDUNNINGSWATER; VERENIGBAARHEID MET ANDER STOWWE WAT NIE OP DIE ETIKET AANGEDUI IS NIE EN DIE VOORKOMS VAN WEERSTAND VAN DIE SIEKTE TEEN DIE BETROKKE MIDDEL SOWEL AS DIE METODE, TYD EN AKKURAATHEID VAN TOEDIENING. VERDER AANVAAR DIE REGISTRASIEHOUE NIE VERANTWOORDELIKHEID VIR SKADE AAN GEWASSE, PLANTEGROEI, DIE OMGEWING OF VIR NADELIGE EFFEK OP MENS OF DIER OF VIR 'N GEBREK AAN PRESTASIE VAN DIE BETROKKE MIDDEL AS GEVOLG VAN DIE VERSUIM VAN DIE GEBRUIKER OM ETIKETAANWYSINGS NA TE KOM OF AS GEVOLG VAN DIE ONTSTAAN VAN TOESTANDE WAT NIE KRAGTENS DIE REGISTRASIE VOORSIEN KON WORD NIE. RAADPLEEG DIE VERSKAFFER IN DIE GEVAL VAN ENIGE ONSEKERHEID.**

## **VOORSORGMAATREÛLS:**

### **VOORSORGVERKLARINGS:**

- Dra beskermende handskoene/beskermende klere/oogbeskerming/gesigbeskerming
- **INDIEN INGEASEM:** Neem slagoffer na vars lug en hou gemaklik vir asemhaling.
- **INDIEN blootgestel of besorg:** Verky mediese noodhulp.

Verhoed inaseming van dampe en spuitmis.

Dra rubberhandskoene, oorpak en 'nibril.

Voorkom aanraking met vel, oë en klere.

Was besoedelde klere daaglik.

Was hande onmiddellik na gebruik, indien nodig neem 'n stort.

Was onmiddellik met seep en water na toevallige velkontak.

Moet nie eet, drink of rook tydens vermenging en toediening of voordat hande en gesig gewas is nie.

Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

Verhoed wegdrywing na ander eetbare gewasse, weiding, riviere, damme en areas nie onder behandeling nie.

Maak spuitapparaat deeglik skoon alvorens hergebruik met ander materiaal. Raak ontslae van uitspoelwater waar dit nie voedsel, voer of water kan besoedel nie.

Spoel leë houer drie keer uit met 'n volume water gelykstaande aan ten minste een tiende van dié van die houer en voeg die uitspoelwater by die inhoud van die spuittenk voordat van die houer op die voorgeskrewe metode ontslae geraak word.

Vernietig leë houer deur gate in te maak en plat te slaan en moet vir geen ander doel hergebruik nie.

## **RELEVANTE STOWWE:**

| Formulation inert                                       | CAS Number  | Conc. (%) |
|---------------------------------------------------------|-------------|-----------|
| Flupyradifurone                                         | 203313-25-1 | 17.1      |
| Propylene carbonate                                     | 108-32-7    | >10       |
| Oxirane, methyl-, polymer with oxirane, monobutyl ether | 9038-95-3   | >25       |

## **WEERSTANDSBESTUUR:**

Vir weerstandsbestuur is **Sivanto Prime** 'n groepkode 4D insekdoder. Enige insekpopulasie mag individue insluit wat 'n natuurlike weerstand teen **Sivanto Prime** of enige ander groepkode 4D insekdoder het. Indien hierdie insekddoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die insekpopulasie oorheers. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **Sivanto Prime** of enige ander groepkode 4D insekddoders beheer word nie.

Om insekdoder weerstand te vertraag:

- Vermyn eksklusiewe herhaaldelike gebruik van insekddoders in dieselfde insekdoder groepkode. Wissel af met produkte van verskillende insekdoder groepkodes.
- Vermyn om Groep 4 insekddoders vir meer as 50% van die gewas-siklus te gebruik. Raadpleeg IRAC-instruksies oor die gebruik van insekddoders: (<http://www.irac-online.org/documents/group-4-irm-guidelines/>).
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in siekte beheer programme.

**Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.**

## **GEBRUIKSAANWYSINGS:** GEBRUIK SLEGS SOOS AANGEDUI.

Vir onthoudingsperiodes tussen toediening en oes, verwys na "**WAARSKUWINGS**" hierbo.

**Grondtoediening:** **Sivanto Prime** mag met konvensionele hoë-volume spuittoerusting toegedien word. Kalibreer die toerusting voor toediening om te verseker dat die regte dosering toegedien word. Die verspreiding van die spuitvolume moet eweredig wees oor die teikenarea. Verseker goeie dekking van die hele plant deur genoeg water en geskikte spuittoerusting te gebruik.

## **MENG EN TOEDIENINGS INSTRUKSIES:**

Verseker dat spuitapparaat skoon is en nie met ander middels gekontamineer is nie.

Maak spuittenk half vol met skoon water. Voeg die vereiste hoeveelheid **Sivanto Prime** by die water in die spuittenk roer deeglik. Dien toe in genoegsame water om 'n deeglike bedekking te verseker en pas die watervolume aan volgens die gewas se groeistadium.

## **VERENIGBAARHEID:**

**Sivanto Prime** is verenigbaar met **Aviator Xpro** (Reg. Nr. L10089), **Resolve** (Reg. Nr. L8708), **Folicur 250 EW** (Reg. Nr. L3857), **Prosaro 250 EC** (Reg. Nr. L8510), **Prosper Trio** (Reg. Nr. L9083), **Nativo** (Reg. Nr. L8942) **Belt** (Reg. Nr. L8860), **Antracol 70 WP** (Reg. Nr. L2065), **Infinito 687.5 SC** (Reg. Nr. L8470), **Bulldock Beta 125 SC** (Reg. Nr. L7612) en in tenkmengsels met **Resolve** (Reg. Nr. L8708) + **Prosaro 250 EC** (Reg. Nr. L8510) en **Resolve** (Reg. Nr. L8708) + **Nativo** (Reg. Nr. L8942), **Bulldock Beta 125 SC** (Reg. Nr. L7612) + **Infinito 687.5 SC** (Reg. Nr. L8470), **Bulldock Beta 125 SC** (Reg. Nr. L7612) + **Antracol 70 WP** (Reg. Nr. L2065), **Belt** (Reg. Nr. L8860) + **Infinito 687.5 SC** (Reg. Nr. L8470) en **Belt** (Reg. Nr. L8860) + **Antracol 70 WP** (Reg. Nr. L2065).

## **TOEDIENINGSTABEL:**

| GEWAS/PLAAG                                                                                                                             | TOEDIENINGS-<br>HOEVEELHEID:                                  | OPMERKINGS                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GARS &amp; KORING</b><br>Russiese luis<br>( <i>Diuraphis noxia</i> )<br>Hawerluis<br>( <i>Rhopalosiphum padi</i> )<br>Plantluis spp. | 200 ml/ha                                                     | Dien toe met eerste tekens van infestasië.                                                                                                                                                                                                                                                                                 |
| <b>STEENVRUGTE</b><br>( <b>Appelkoos, Nektarien,</b><br><b>Perskes &amp; Pruime</b> )<br>Groenperskeluis<br>( <i>Myzus persicae</i> )   | 25 ml/100 ℓ                                                   | Dien toe met eerste tekens van infestasië.<br>Die toedieningsvolume moet nie 1 500 liter per hektaar oorskry nie.                                                                                                                                                                                                          |
| <b>TAMATIES</b><br>Witvlieg<br>( <i>Trialeurodes vaporariorum</i> )<br>Katoen Witvlieg<br>( <i>Bemisia tabaci</i> )                     | 75 ml/100 ℓ<br>(Moenie minder<br>as 375 ml/ha<br>toedien nie) | Dien toe met eerste tekens van infestasië of<br>in 'n voorkomende spuitprogram.<br>Herhaal met 7 tot 10 dae intervalle. <b>Verny</b><br>om meer as 3 opeenvolgende toedienings<br>vir 'n tydperk langer as 21 dae toe te dien.<br>Verseker 'n deeglik bedekking van blare met<br>'n minimum van spuit volume van 500 ℓ/ha. |

**Aviator®**, **Resolve®**, **Folicur®**, **Prosaro®**, **Prosper®**, **Belt®**, **Bulldock®**, **Infinito®**, **Antracol®** en **Nativo®** is geregistreerde handelsmerke van Bayer AG.

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