

I PRO FLO 500 SC

Act No. 36 of 1947 / Wet Nr. 36 van 1947

SA Reg. No. L8213 / NAM reg. No. N-AR 1064

**READ ATTACHED PACKAGED LEAFLET BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

GROUP

2

FUNGICIDE

PRODUCT INFO:

A water base suspension concentrate, contact fungicide for the control of diseases on crops as listed.

PRODUK INFO:

'n Water basis suspensiekonsentraat kontak swamdoder vir die beheer van siektes op gewasse soos aangedui.

HAZARD STATEMENTS:

May cause an allergic skin reaction.
Suspected of causing cancer.
Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

Wear protective gloves, protective clothing, eye, and face protection.
Wash hands, face, and exposed skin thoroughly after handling.



WARNING

Active Ingredient / Aktiewe Bestanddeel

Iprodione (dicarboximide) 500 g/e Iprodioon (dikarboksimied)

Net (ℓ) SEE CONTAINER

Registration Holder / Registrasiehouer



ICA International Chemicals (Pty) Ltd. • Reg. No. 2001/013319/07
28 Planken Street • Plankenbrug Industrial • STELLENBOSCH • 7600 • SOUTH AFRICA
Tel. +27-21 886 9812 • www.icaonline.co.za

Batch No.

SEE

Lot Nr.

Date of Manufacture

CONTAINER

Datum van Vervaardiging

Expiry Date

Vervaldatum

In case of poisoning, call the following number: Human Poison Helpline +27-861 555 777

Emergency number: Griffon Poison Information Centre +27-82 446 8946



What is
GHS?

I PROFLO

Act No. 36 of 1947
SA Reg. No. L8213 / NAM Reg. No. N-AR 1064

A water base suspension concentrate contact fungicide for:

- Control of postharvest decay in apples and pears as listed under controlled atmosphere condition.
- Control of postharvest decay in apricots, nectarines, plums and peaches as listed.
- Control of Botrytis in table and wine grapes, potatoes, strawberries and tomatoes.
- Control of Botrytis and Alternaria in onions.
- Control of turf diseases as listed.

ACTIVE INGREDIENT:

Iprodione (dicarboxamide) 500 g/ℓ

REGISTERED BY:

ICA International Chemicals (Pty) Ltd., Reg. No. 2001/013319/07
28 Planken Street • Plankenbrug Industrial • Stellenbosch • 7600 • South Africa
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WARNINGS

May cause an allergic skin reaction.
Suspected of causing cancer.
Very toxic to aquatic life with long lasting effects.

WITHHOLDING PERIODS (Minimum number of days between last pre-harvest application and harvest):

- *Wine grapes and potatoes* 7 days
- *Table grapes, apricots, nectarines, peaches, plums, onions and tomatoes* 3 days
- *Strawberries* 1 day

Compliance with these withholding periods and below application instructions will ensure that residues do not exceed local maximum residue limits (MRL) but may not meet the import requirements of other countries. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, MRL and recommended withholding periods. Although I PROFLO is regarded as crop-safe on most of the important cultivars, this does not mean that a more sensitive cultivar might be available in future. I PROFLO must be tested on fruit of new cultivars prior to general usage.

RE-ENTRY INTERVAL: Do not enter treated field 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 disease 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, and the environment or harm to man/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

If medical advice is needed, have product container or label at hand.
Obtain, read and follow all safety instructions before use.
Avoid breathing mist/vapours/spray.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves, protective clothing, eye and face protection.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical help.
If exposed or concerned, get medical advice.
For specific treatment see first aid measures on this label.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Store locked up.
Dispose of contents and container in accordance with national regulations.

TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS: Invert empty container over mix or spray tank and allow draining for at least 30 seconds until flow has slowed to a drip. Triple rinse the empty container with clean water equal to a minimum of 30 % of the volume of the container. Add rinsing to the contents of the spray tank. Offer container for recycling or puncture and dispose of at authorised landfill (www.croplife.co.za). Do not use container for any other purpose.

RELEVANT SUBSTANCES:

Iprodione (Cas no: 36734-19-7) Carcinogenicity Category 2, H351; Aquatic Acute Category 1, H400; Aquatic Chronic Category 1, H410 (50 % w/v).

1,2-benzisothiazol-3-one (Cas no: 2634-33-5) Skin Sensitization Category 1, H317 (< 1 % w/v).

FIRST AID MEASURES

In case of accident or if you feel unwell seek medical advice immediately and show this LABEL where possible.

- INHALATION:**
- Remove the victim from immediate source of exposure. Move victim to fresh air, if it can be done safely, and keep comfortable. If victim's breathing has stopped, perform artificial respiration.
 - DO NOT perform mouth-to-mouth resuscitation if victim ingested or inhaled the substance; wash face and mouth before giving artificial respiration. Administer oxygen if victim's breathing is difficult or irregular. Get medical help.
- SKIN:**
- Remove and isolate contaminated clothing, shoes, and leather goods immediately and take a shower.
 - Rinse affected areas (skin) with non-abrasive soap or mild detergent and large amounts of running water. Wash contaminated clothing before reuse.
 - Get medical help if irritation develops and persists.
- EYES:**
- Rinse eyes cautiously with clean running water for at least 15 minutes, while holding eyelids apart. Remove contact lenses after 5 minutes if present and easy to do.
 - Continue rinsing while holding eyelids apart. Seek medical help if irritation continues.
- INGESTION:**
- If swallowed, DO NOT induce vomiting, unless instructed to do so by poison control center or doctor. Have person sip a glass of water if able to swallow.
 - Never give anything by mouth to an unconscious person. Get medical help.
- NOTE TO PHYSICIAN:**
- There is no specific antidote. All treatments should be based on observed signs and symptoms of distress in the patient.

RESISTANCE WARNING

For resistance management: IPROFLO is a group code (2) fungicide. Any fungal population may contain individuals naturally resistant to **IPROFLO** and other group code (2) fungicides. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **IPROFLO** or any other group code (2) fungicide.

To delay fungicide resistance:

- avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with registered products from different fungicide group codes,
- for tank mixing or alternation with products in fungicide group code U or M, refer to applicable individual product labels,
- integrate the control methods (chemical, cultural, biological) into disease control programmes.

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

MODE OF ACTION

Iprodione is a dicarboximide fungicide, inhibiting DNA and RNA synthesis during germination of fungal spores. Dicarboximides also inhibit the enzyme NADH cytochrome-c reductase, thereby preventing lipid and membrane synthesis and ultimately mycelium growth.

USE RESTRICTIONS

- For postharvest treatment of apples and pears **IPROFLO** may only be applied to pear cultivar "Packham's Triumph" and the following apple cultivars, "Royal Gala", "Golden Delicious", "Topred" and "Granny Smith".
- For pre-harvest spray on pears for control of calyx-end rot, do not apply after 75 % petal drop. **IPROFLO** may only be applied to "Bon Chretien", "Buerre Bosch" and "Packham's Triumph" cultivars.
- Do not use **IPROFLO** in tank mixes for postharvest applications.

DIRECTIONS FOR USE – use only as directed

Compatibility:

Do not use **IPROFLO** in tank mixes for postharvest applications. **IPROFLO** is compatible with formulations containing diphenylamine (DPA) used for postharvest treatment of superficial scald on apples and pears, however, a physical compatibility test is recommended prior to application. Such a mixture must be thoroughly agitated at all times. Tank mixes must be used with caution on table grapes due to the risk of enhancing visual residues on the berries. Since the compatibility of **IPROFLO** with other remedies is unknown, a physical compatibility test is recommended prior to application.

Mixing Instructions:

Half fill the mixing tank with clean water. Shake the **I PROFLO** container and add the required quantity of **I PROFLO** while agitating. Top up the mixing tank with the required quantity clean water whilst agitating. Ensure mixing is properly done and agitate constantly **before and during** application. Clean all equipment thoroughly after use and dispose of wastewater without polluting the environment.

APPLICATION TABLE		
CROP AND DISEASE	DOSAGE	REMARKS
<p>APPLES and PEARS <u>Postharvest treatment</u> Postharvest Botrytis and Penicillium rot</p> <p><i>(Only for Royal Gala, Golden Delicious, Topred and Granny Smith apples)</i></p> <p><i>(Only for Packham's Triumph pears)</i></p>	100 mℓ/100 ℓ water	<p>Fruit must be thoroughly rinsed and disinfected with Sporekill® (L7115) or chlorine according to set procedures prior to the treatment of I PROFLO.</p> <p>Apply I PROFLO suspension either as a drench or dip treatment ensuring contact time with the fruit between 30 seconds to 2 minutes.</p> <p>Dipping tanks can be topped up with 100 mℓ I PROFLO for every 100 ℓ fresh water added. It is recommended that no more than 12 tons of fruit be treated with every 100 ℓ of mixture; thereafter the mixture must be fully replaced.</p> <p>Do not allow the dipping mixture to stand overnight.</p>
<p>PEARS (<u>Orchard application</u>) Calyx-end rot (<i>Botrytis</i> spp.)</p> <p><i>(Only Bon Chretien, Buerre Bosch and Packham's Triumph)</i></p>	100 mℓ/100 ℓ water	Apply two full cover sprays. The first at full blossom and the second at 75 % petal drop.
<p>APRICOTS <u>Pre-harvest spray</u> Postharvest Botrytis and Monilinia rot</p>	100 mℓ/100 ℓ water	Apply as a full cover spray, ensuring that the fruit are thoroughly wetted. Apply twice, i.e., at 10 and 3 days prior to harvest.
<p>NECTARINES <u>Pre-harvest spray</u> Postharvest Botrytis, Monilinia and Rhizopus rot</p>	100 mℓ/100 ℓ water	Apply as a full cover spray, ensuring that the fruit are thoroughly wetted. Apply twice, i.e., at 10 and 3 days prior to harvest.
<p>PEACHES (both fresh & canning) <u>Pre-harvest spray</u> Postharvest Botrytis, Monilinia and Rhizopus rot</p>	100 mℓ/100 ℓ water	Apply as a full cover spray, ensuring that the fruit are thoroughly wetted. Apply twice, i.e., at 10 and 3 days prior to harvest.
<p>PLUMS <u>Pre-harvest spray</u> Postharvest Botrytis, Monilinia and Rhizopus rot</p>	100 mℓ/100 ℓ water	<p>Apply as a full cover spray, ensuring that the fruit are thoroughly wetted. Apply twice, i.e., at 10 and 3 days prior to harvest.</p> <p>OR</p> <p>After harvest dip fruit in suspension for one minute, remove and allow drying. Do not exceed indicated dip concentration.</p> <p>Note: DO NOT apply both pre- & postharvest treatments as it could result in exceeding residues limit.</p>
<p>TABLE GRAPES Botrytis rot</p>	1 ℓ/ha	<p>Commence application at colour break just after the last bunch thinning and repeat 3 days before harvest. Only apply with mist blower delivering a droplet spectrum with a VDM of 150 – 200 μm. A water volume of 750 ℓ per hectare is recommended.</p> <p>IMPORTANT: Do not spray to the point of run-off, as this could enhance the risk of visual residues. Ensure, however, that bunches are adequately covered on all sides by the spray mist.</p>

<p>WINE GRAPES Botrytis rot</p>	<p>100 mℓ/100 ℓ water</p>	<p>Apply 500 – 1000 ℓ spray mixture per hectare depending on the size of the vines. Ensure thorough wetting of bunches. The number of I PROFLO sprays applied per season should be determined by the history of disease in the vineyard and expected severity of the disease. A minimum of two (2) applications is recommended under conditions of low to moderate disease pressure, with maximum of four (4) treatments when severe disease incidence is expected.</p> <p><u>Treatment 1:</u> Apply I PROFLO at full-blossom stage.</p> <p><u>Treatment 2:</u> If moderate to severe disease incidence is expected, apply either I PROFLO, or a suitable alternative such as Protector 400 SC (L8606) according to its label instructions at pea-size stage, before closure of the bunches.</p> <p><u>Treatment 3:</u> If severe disease incidence is expected, apply I PROFLO or suitable alternative such as Protector 400 SC (L8606) according to its label instructions in period between bunch closure and beginning of ripening.</p> <p><u>Treatment 4:</u> Three weeks prior to harvest apply I PROFLO or suitable botrytis remedy (Protector 400 SC) according to its label instructions.</p> <p>IMPORTANT: Please note treatments 1 and 4 are critical and they must be applied whether treatment 2 and 3 are used or not.</p> <p>NB: Applications should be made as soon as possible after mealy bug sprays or be repeated if a mealy bug spray is made within 14 days after I PROFLO application. Do not apply more than three (3) iprodione applications per season.</p>
<p>ONIONS Purple blotch (<i>Alternaria blotch</i>) and Botrytis neck rot</p>	<p>1 ℓ/ha</p>	<p>Start application when plants are in 3 – 5 leaf stage (about 10 – 15 days after transplant) and repeat at 14 – 21 day intervals. Use the shorter spray interval under high disease pressure.</p> <p>IMPORTANT: This is a preventative treatment and should be applied before the disease symptoms appear. Do not apply to wet plants.</p>
<p>POTATOES Control of Grey mould (<i>Botrytis</i> spp.) on foliage</p>	<p>200 mℓ/100 ℓ water</p>	<p>Apply I PROFLO as a high volume full cover spray. Apply I PROFLO in a preventative fungicide spray programme, in 7 day intervals, with a maximum of three (3) I proFlo applications per season. Interchange I PROFLO with fungicides from other FRAC group codes.</p> <p><u>NB: Start applications before canopy closure.</u></p> <p>Ensure thorough coverage of the foliage.</p>
<p>STRAWBERRIES Control of Grey mould (<i>Botrytis cinerea</i>)</p>	<p>1 ℓ/ha</p>	<p>Apply I PROFLO in a preventative fungicide spray programme, in 7 day intervals with a maximum of three (3) I PROFLO applications per season. Do not apply more than two (2) successive I PROFLO sprays. Interchange the I PROFLO applications with fungicides from other FRAC group codes.</p>
<p>TOMATOES Grey rot (<i>Botrytis cinerea</i>)</p>	<p>100 mℓ/100 ℓ water</p>	<p>Apply as a full cover spray ensuring thorough coverage of the fruit. Commence spraying when conditions favor disease development and continue at 7 – 14 day intervals. This program will also provide early blight control if the shorter 7 day spray interval is applied. Do not exceed three (3) I PROFLO applications per season.</p>
<p>TURF Dollar spot, Fusarium, Helminthosporium Leaf spot and Rhizoctonia brown patch</p>	<p>40 mℓ/100 m²</p>	<p>Dilute the required quantity of I PROFLO in sufficient clean water to allow for good coverage of the turf surface at the indicated rate.</p> <p><u>Preventative treatment:</u> Commence application from the beginning of the season and repeat treatments when conditions are favorable for the disease development.</p> <p><u>Corrective treatment:</u> Commence application when first disease symptoms appear and repeat every 14 – 21 days. This treatment will</p>

		prevent the disease from spreading beyond the infected areas and suppress it on the already infected parts. Note: If grass is being cut, I PROFLO should be applied after cutting and further mowing should not take place until at least 24 hours after treatment.
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Protector 400 SC (Reg. No. L8606, Act 36 of 1947) and Sporekill (Reg. No. L7115, Act 36 of 1947) are registered products of ICA International Chemicals.

SA-NAMlpr-008

I PROFLO

Wet Nr. 36 van 1947

SA Reg. Nr. L8213 / NAM Reg. Nr. N-AR 1064

'n Water basis suspensie konsentraat kontak swamdoder vir:

- Beheer van Botrytis in aarbeie, aartappels, tafel- en wyndruiwe en tamaties;
- Beheer van Botrytis en Alternaria in uie;
- Beheer van na-oes bederf in appels en pere soos aangedui onder beheerde atmosfeer toestande;
- Beheer van na-oes bederf in appelkose, nektariens, pruime en perskes soos aangedui;
- Beheer van grasperk siektes soos aangedui.

AKTIEWE BESTANDEEL:

Iprodion (dikarboksimid) 500 g/ℓ

GEREGISTREER DEUR:

ICA International Chemicals (Pty) Ltd., Reg. Nr. 2001/013319/07
Plankenstraat 28 • Plankenbrug Industrieël • Stellenbosch • 7600 • Suid-Afrika
Tel. +27-21 886 9812 • www.icaonline.co.za

WAARSKUWINGS

Mag allergiese velreaksie veroorsaak
Vermoede dat dit kanker veroorsaak
Baie giftig vir waterlewende organismes met langdurige gevolge

ONTHOUDINGSPERIODES (Minimum aantal dae tussen laaste voor-oes toediening en oes):

- *Aarbeie* 1 dag
- *Wyndruiwe en aartappels* 7 dae
- *Tafeldruiwe, appelkose, nektariens, pruime, perskes, uie en tamaties* 3 dae

Nakoming van hierdie onthoudingsperiodes en toedieningsmetodes sal verseker dat die plaaslike maksimum residu limiete (MRL) nie oorskry word nie, maar mag dalk nie voldoen aan die invoervereistes van ander lande nie. Indien die gewas wat behandel gaan word, bestem is vir uitvoer, raadpleeg die betrokke in- of uitvoerder rakende die gebruik van hierdie produk, die MRL en aanbevole onthoudingsperiodes. Alhoewel **I PROFLO** as gewasveilig beskou word op meeste van die belangrike kultivars, beteken dit nie dat 'n meer sensitiewe kultivar in die toekoms op die mark kan kom nie. **I PROFLO** moet eers op vrugte van nuwe kultivars getoets word voordat dit oor groot areas aangewend word.

HERBETREDINGSINTERVAL: Moet nie behandelde gebied binnegaan voordat die spuitneerslag droog is nie tensy beskermende klere gedra word.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie, aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander produkte wat nie op die etiket aangedui is nie en die voorkoms van weerstand teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effekte op mens of dier of vir 'n gebrek aan doeltreffendheid, as gevolg van die versuim van die gebruiker om die 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 geval van enige onsekerheid.

VOORSORGMATREÛLS

Indien mediese advies benodig word, hou die produkhouer of -etiket byderhand.
Hou buite bereik van kinders.
Verkry, lees en volg alle veiligheidsinstruksies voor gebruik.
Vermyn die inaseming van stuifsel/dampe/spuitstof.
Besoedelde werksklere moet nie buite werkspasie toegelaat word nie.
Vermyn vrystelling in die omgewing.
Dra beskermende handskoene, beskermende klere, oog- en gesigbeskerming.
INDIEN OP VEL: Was met baie water en seep.
Indien velirritasie ontstaan: Kry mediese hulp.
INDIEN blootgestel of besorg, verkry mediese advies.
Vir spesifieke behandeling sien noodhulp afdeling op hierdie etiket.
Trek alle besoedelde klere uit en was dit voor hergebruik.
Maak stortsel bymekaar.
Berg agter slot en grendel.

Raak ontslae van inhoud en houer in ooreenstemming met nasionale regulasies.

SPOEL DIE LEË HOUER DRIE MAAL SOOS VOLG: Keer die leë houer om oor 'n meng- of spuittenk en laat vir ten minste 30 sekondes leegloop totdat die vloeï stadiger word tot 'n gedrup. Spoel die leë houer drie maal met skoon water gelyk aan 'n minimum van 30 % van die volume van die houer. Voeg spoelwater by die inhoud van die spuittenk. Kap gate in die gespoelde houer, waarna dit aan 'n goedgekeurde versamelaar of verwerker oorhandig moet word (www.croplife.co.za). Moenie die houer vir enige ander doeleindes gebruik nie.

RELEVANTE STOWWE:

Iprodioon (Cas no: 36734-19-7) Kankerwekkend Kategorie 2, H351; Waterlewend Akut Kategorie 1, H400; Waterlewend Kronies Kategorie 1, H410 (50 % m/v).

1,2-bensisotiasool-3-one (Cas no: 2634-33-5) Vel Sensitiserings Kategorie 1, H317 (< 1 % m/v).

NOODHULPBEHANDELING

In geval van 'n ongeluk of as jy onwel voel, verkry onmiddellik mediese advies en wys hierdie ETIKET waar moontlik

- INASEMING:**
- Neem die slagoffer weg van die onmiddellike bron van blootstelling. Verskuif die slagoffer na vars lug as dit veilig gedoen kan word en hou gemaklik. Indien die slagoffer ophou asemhaal, pas kunsmatige asemhaling toe.
 - MOENIE mond-tot-mond asemhaling toepas indien slagoffer die stof opgeneem of ingesam het nie, was eers slagoffer se gesig en mond voor kunsmatige asemhaling toegepas word. Dien suurstof toe as die slagoffer se asemhaling moeilik of onreëlmatig is. Verkry mediese hulp.
- VEL:**
- Verwyder en isoleer besmette klere, skoene en leergoedere dadelik en neem 'n stort.
 - Spoel aangetaste areas (vel) onmiddellik met nieskurende seep of sagwerkende wasmiddel en groot hoeveelhede lopende water. Was besmette klere voor hergebruik.
 - Kry mediese hulp indien irritasie ontwikkel en voortduur.
- OË:**
- Spoel oë versigtig met skoon lopende water vir ten minste 15 minute terwyl die ooglede vanmekaar gehou word. Verwyder kontaklense na 5 minute indien aanwesig en maklik om te doen.
 - Hou aan met spoel terwyl ooglede vanmekaar gehou word. Kry mediese hulp indien irritasie voortduur.
- OPNEMING:**
- Indien ingesluk, MOENIE vomering induseer nie, tensy 'n gifsentrum of dokter opdrag gee om dit te doen. Laat die persoon slukkies water neem indien dit moontlik is om te sluk.
 - Moet nooit iets per mond aan 'n bewustelose persoon gee nie. Verkry mediese hulp.
- NOTA AAN GENEESHEER:**
- Daar is nie 'n spesifieke teenmiddel nie. Alle behandeling moet gebaseer word op waargenome tekens en simptome van nood by die pasiënt.

WEERSTANDSWAARSKUWING

Vir weerstandsbestuur: IPROFLO is 'n groeppkode (2) swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen **IPROFLO** of enige ander groeppkode (2) swamdoder het. Indien hierdie swamdoder herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **IPROFLO** of enige ander groeppkode (2) swamdoder beheer word nie.

Om weerstand teen swamdoders te vertraag:

- vermy die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groeppkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende swamdodergroeppodes,
- raadpleeg toepaslike individuele produketikette wanneer daar afgewissel word, of tenkmengsels gemaak word, met produkte in swamdoder groeppodes U of M,
- integreer ander beheermaatreëls (chemies, verbouing, biologies) in swamdoder programme.

Vir spesifieke inligting oor weerstandsbestuur kontak die verskaffer van hierdie produk.

WERKINGSWYSE

Iprodioon is 'n dikarboksimied swamdoder wat DNS en RNS sintese gedurende swamspoor ontkieming inhibeer. Dikarboksimied inhibeer ook die ensiem NADH sitochroom-c reductase wat lipied en membraan sintese voorkom en gevolglik dus ook miselium groei.

GEBRUIKSBEPERKINGS

- Vir na-oes behandeling van appels en pere mag **IPROFLO** slegs op peer kultivar "Packham's Triumph" en die volgende appel kultivars toegedien word, "Royal Gala", "Golden Delicious", "Topred" en "Granny Smith".
- Vir voor-oesbespuiting op pere vir beheer van blomendverrotting, moenie later as 75 % blomblaarval toedien nie. **IPROFLO** mag slegs op "Bon Chretien", "Buerre Bosch" en "Packham's Triumph" kultivars toegedien word.
- MOENIE **IPROFLO** in tenkmengsels vir na-oes toedienings gebruik nie.

GEBRUIKSAANWYSINGS – gebruik slegs soos aangedui

Verenigbaarheid:

Moenie **IPROFLO** in tenkmengsels gebruik vir na-oes toedienings nie. **IPROFLO** is mengbaar met formulasies wat difenielamien (DPA) bevat vir na-oes behandeling van oppervlakkige brand op appels en pere, maar 'n vooraf mengbaarheidstoets word aanbeveel. Sulke tenkmengsels moet deeglik voor en deurgaans tydens toediening geroer word. Tenkmengsels moet met versigtigheid op tafeldruie toegedien word aangesien die risiko van sigbare residue verhoog mag word. Aangesien die verenigbaarheid van **IPROFLO** met ander middels onbekend is, word 'n fisiese verenigbaarheidstoets aanbeveel voor toediening.

Menginstruksies:

Maak mengtenk halfvol met skoon water. Skud **I PROFLO** houer en voeg die aanbevole hoeveelheid **I PROFLO** by terwyl geroer word. Vul die tenk met die verlangde hoeveelheid skoon water. Maak seker dat vermenging deeglik plaasvind en roer mengsel konstant **voor** en **tydens** toediening. Alle toerusting moet na gebruik deeglik skoongemaak word en afvalwater moet, sonder om die omgewing te besoedel, weggedoen word.

TOEDIENINGSTABEL		
GEWAS EN SIEKTE	DOSIS	OPMERKINGS
AARBEIE Beheer van Grysskimmel (<i>Botrytis cinerea</i>)	1 ℓ/ha	Dien I PROFLO in 'n voorkomende spuitprogram met 7 dae intervalle toe tot 'n maksimum van drie (3) I PROFLO aanwendings per seisoen. Moenie meer as twee (2) opeenvolgende I PROFLO bespuitings aanwend nie. Wissel I PROFLO met middels vanuit ander FRAC groepkodes af.
AARTAPPELS Beheer van Grysskimmel (<i>Botrytis</i> spp.) op loof	200 mL/100 ℓ water	Dien as 'n hoë volume voldekbespuiting toe. Dien I PROFLO in 'n voorkomende spuitprogram met 7 dae intervalle toe. 'n Maksimum van drie (3) I PROFLO aanwendings kan per seisoen toegedien word. Wissel I PROFLO met middels vanuit ander FRAC groepkodes af. <u>NB: Begin bespuitings voor die rye toe maak.</u> Verseker deeglike bedekking, bo-, sowel as onderkant van loof.
APPELS en PERE Na-oes behandeling Na-oes Botrytis and Penicillium verrotting (Slegs vir Royal Gala, Golden Delicious, Topred en Granny Smith appels) (Slegs vir Packham's Triumph pere)	100 mL/100 ℓ water	Spoel en ontsmet vrugte deeglik volgens voorgeskrewe prosedure met Sporekill ® (L7115) of gechlorineerde water voor I PROFLO toediening. Dien die I PROFLO suspensie as 'n doop- of drenkbehandeling toe en verseker 'n kontakperiode van minstens 30 sekondes tot 2 minute met vrugte. Dompeltenke kan aangevul word met 100 mL I PROFLO vir elke 100 ℓ skoon water wat bygevoeg word. Dit word aanbeveel dat nie meer as 12 ton vrugte met elke 100 ℓ mengsel behandel word nie, waarna die mengsel ten volle vervang moet word. Moenie die doopmengsel oornag laat staan nie.
PERE (Boord bespuiting) Blomendverrotting (<i>Botrytis</i> spp.) (Slegs Bon Chretien, Buerre Bosch en Packham's Triumph)	100 mL/100 ℓ water	Dien twee voldekbespuitings toe, die eerste by volblom en tweede by 75 % blomblaarval.
APPELKOSE Voor-oesbespuiting Na-oes Botrytis en Monilinia verrotting	100 mL/100 ℓ water	Dien as 'n voldekbespuiting toe. Verseker dat die vrugte deeglik benat word. Dien twee keer toe, bv. 10 en weer 3 dae voor oes.
NEKTARIENS Voor-oesbespuiting Na-oes Botrytis, Monilinia en Rhizopus verrotting	100 mL/100 ℓ water	Dien as 'n voldekbespuiting toe. Verseker dat die vrugte deeglik benat word. Dien twee keer toe, bv. 10 en weer 3 dae voor oes.
PERSKES (Beide vars en inmaak) Voor-oesbespuiting Na-oes Botrytis, Monilinia en Rhizopus verrotting	100 mL/100 ℓ water	Dien as 'n voldekbespuiting toe. Verseker dat die vrugte deeglik benat word. Dien twee keer toe, bv. 10 en weer 3 dae voor oes.
PRUIME Voor-oesbespuiting Na-oes Botrytis, Monilinia en Rhizopus verrotting	100 mL/100 ℓ water	Dien as 'n voldekbespuiting toe. Verseker dat die vrugte deeglik benat word. Dien twee keer toe, bv. 10 en weer 3 dae voor oes. OF Doo vrugte na-oes vir een minuut in suspensie. Laat dan toe om af te droog. Moenie aangeduide doopkonsentrasie oorskry nie. Nota: MOENIE beide voor- en na-oes behandelings toedien nie, dit kan toelaatbare residu vlakke oorskry.
TAFELDRUIWE Botrytis verrotting	1 ℓ/ha	Begin toediening met deurslaan net na die finale tros uitdunning en herhaal 3 dae voor oes. Toediening moet slegs met 'n newelblaser aangewend word met 'n druppelspektrum van VMD

		<p>150 – 200 µm. 'n Watervolume van 750 ℓ per hektaar word aanbeveel.</p> <p>BELANGRIK: Moenie tot by die punt van afloop spuit nie, dit sal die risiko van sigbare residue vergroot. Verseker egter genoegsame bedekking deur sproeinewel op alle kante van die trosse te plaas.</p>
<p>WYNDRIUWE Botrytis verrotting</p>	100 mL/100 ℓ water	<p>Dien 500 – 1000 ℓ spuitmengsel per hektaar toe afhangende van die grootte van die stokke. Verseker dat die trosse deeglik benat word. Die geskiedenis van <i>Botrytis</i> spp. in 'n boord sowel as die verwagte siektedruk daarvan bepaal die aantal I PROFLO bespuitings wat per seisoen toegedien moet word. 'n Minimum van twee (2) toedienings word aanbeveel onder toestande van lae tot matige siektedruk, met tot vier (4) toedienings wanneer 'n hoë siektedruk verwag word. Die tye van toediening behoort soos volg te wees.</p> <p><u>Behandeling 1:</u> Dien I PROFLO tydens volblomstadium toe.</p> <p><u>Behandeling 2:</u> Indien matige tot hoë besmetting verwag word moet of I PROFLO, of 'n geskikte alternatiewe middel soos Protector 400 SC (L8606) volgens etiketaanwysings op die ertjiekorrelstadium toegedien word, voordat die trosse toemaak.</p> <p><u>Behandeling 3:</u> Indien ernstige siektedruk verwag word moet of I PROFLO, of 'n geskikte alternatiewe middel soos Protector 400 SC (L8606) volgens etiketaanwysings in periode vanaf trosse toemaak tot en met deurslaan toegedien word.</p> <p><u>Behandeling 4:</u> Drie weke voor oes moet of I PROFLO, of 'n geskikte alternatiewe botrytis-middel (Protector 400 SC) volgens etiketaanwysings toegedien word.</p> <p>BELANGRIK: Let wel dat behandelings 1 en 4 krities is en dat hulle toegedien moet word, afgesien daarvan of behandelings 2 en 3 toegedien word of nie.</p> <p>NB: Toedienings behoort so gou moontlik na witluis bespuitings gemaak word, of herhaal word indien 'n witluis bespuiting binne 14 dae vanaf I PROFLO toediening gedoen word. Moenie meer as drie (3) iprodioon bespuitings per seisoen toedien nie.</p>
<p>GRASPERKE Dollervlek, Fusarium, Helminthosporium blaarvlek en Rhizoctonia bruinkol</p>	40 mL/100 m ²	<p>Verdun die aanbevole hoeveelheid I PROFLO in voldoende skoon water om te verseker dat goeie bedekking van die grasoppervlaktes verkry word.</p> <p><u>Voorkomende behandeling:</u> Begin met toediening aan die begin van die seisoen en herhaal wanneer toestande vir siekteontwikkeling gunstig is.</p> <p><u>Korrektiewe behandeling:</u> Dien toe sodra eerste siektesimptome verskyn en herhaal met tussenposes van 14 – 21 dae. Hierdie behandeling sal die verspreiding van siektes verhoed asook 'n onderdrukking van die siektes in reeds besmette gebiede tot gevolg hê.</p> <p>Nota: Indien gras gesny word, moet I PROFLO slegs toegedien word nadat die gras gesny is. Minstens 24-uur moet verloop tussen I PROFLO toediening en die daaropvolgende sny van die gras.</p>
<p>TAMATIES Botrytis-vrot (Grysvrot) (<i>Botrytis cinerea</i>)</p>	100 mL/100 ℓ water	<p>Dien as 'n voldekbespuiting toe en verseker deeglike benatting van vrugte. Begin toediening wanneer toestande gunstig vir die ontwikkeling van die siekte is en herhaal elke 7 – 14 dae. Vroeë roes beheer sal ook verkry word indien 'n program van 7 dae spuitintervalle gevolg word. Moenie meer as drie (3) I PROFLO bespuitings per seisoen toedien nie.</p>
<p>UIE Alternaria vlek en Botrytis nekvrot</p>	1 ℓ/ ha	<p>Begin met toedienings wanneer plante in die 3 – 5 blaarstadium is (omtrek 10 – 15 dae na oorplanting) en herhaal met 14 – 21 dae intervalle. Gebruik die korter periode onder hoë siektedruk.</p> <p>BELANGRIK: Hierdie is 'n voorkomende behandeling en moet voordat die siektesimptome verskyn aangewend word. Moenie op nat plante toedien nie.</p>

Protector 400 SC (Reg. Nr. L8606, Wet 36 van 1947) en Sporekill (Reg. Nr. L7115, Wet 36 van 1947) is geregistreerde produkte van ICA International Chemicals.