



SPITFIRE™ 900 SP

Reg. No. L8197 Act No. 36 of 1947

A water soluble powder short residual contact insecticide for the control of insects on crops as indicated.

ACTIVE INGREDIENT:
Methomyl (carbamate)

REGISTERED BY:
BITRAD CONSULTING (PTY) LTD.
Co. Reg. No. 2002/025636/07
PO Box 51454, WIERDA PARK 0149

WARNINGS:

• WITHHOLDING PERIODS: MINIMUM NUMBER OF DAYS WHICH SHOULD BE ALLOWED BETWEEN THE LAST APPLICATION AND HARVEST OR GRAZING:

Brussels sprouts, Broccoli,	
Cabbage and Cauliflower	4 days
Citrus (for 20 g per 100 litre dosage)	2 days
Citrus (for higher dosages)	28 days
Green beans and Potatoes	3 days
Grain sorghum, Grazing, Lucerne,	
Lupins, Maize and Wheat	7 days
Peaches	16 days
Sunflowers	28 days
Tobacco (flue-cured)	7 days
Tobacco (air-cured)	14 days
Tomatoes	2 days

- DO NOT USE **SPITFIRE™ 900 SP** IN COMBINATION WITH G-49 WETTING AGENT ON TOBACCO SEEDBEDS OR ON CITRUS.
- Handle with extreme care.
- TOXIC AND FATAL BY SWALLOWING, BREATHING OR SKIN CONTACT.
- Can be absorbed through skin and eyes.
- Toxic to fish, bees and other animals.
- Store under lock and key in a cool, dry place out of the reach of children, uninformed persons and animals and away from feed and food, in accordance with the Hazardous Substances Act 1973, (Act No. 15 of 1973).
- **Re-entry:** Do not enter treated area within 2 days after application unless wearing protective clothing.
- DO NOT USE IN THE HOME GARDEN.
- Keep container tightly closed.
- In case of poisoning **CALL A DOCTOR IMMEDIATELY** and make the label available to him.
- AERIAL APPLICATION: Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow 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 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 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:

- Do not inhale dust vapour or spray mist.
- Wear protective clothing (overalls, rubber boots and gloves, face shield and respirator) when handling the product and during application.
- After work wash entire body with soap and water.
- Do not eat, drink or smoke whilst applying, mixing or before washing hands and face and changing clothes.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Wash contaminated clothing and protective equipment in a strong washing soda solution and rinse thoroughly before wearing again.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean all equipment thoroughly after use and do not contaminate crop, grazing, rivers or dams with wash water.
- Ensure plastic containers and plastic bags are empty (plastic bags do not contain any water soluble sachets) before being disposed of.
- Destroying the empty containers by perforation and flattening and dispose of in a responsible manner.
- Do not use empty containers for any other purpose.

RESISTANCE WARNING

For resistance management, **SPITFIRE™ 900 SP** is a group code **1A** insecticide. Any insect population may contain individuals naturally resistant to **SPITFIRE™ 900 SP** and other group code **1A** insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **SPITFIRE™ 900 SP** or any other group code **1A** insecticide. To delay insecticide resistance:

- Avoid exclusive repeated use of insecticide from the same insecticide group code.
- Alternate or tank mix with products from different insecticide 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.

SYMPTOMS OF HUMAN POISONING:

Headache, fatigue, faintness, giddiness, excessive sweating, nausea, abdominal pain, vomiting, blurred vision, muscle twitching, unusually small pupils, respiratory distress, coma.

ANTIDOTE:

Atropine sulphate.

FIRST AID TREATMENT:

- ALWAYS OBTAIN TREATMENT FROM A PHYSICIAN IMMEDIATELY.
- Remove patient from source of poisoning to a well-ventilated area.
- Keep the patient quiet and reassured.
- Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and cold water.
- Do not rub skin.
- Flush contamination out of eyes with clean water for at least 15 minutes.
- If swallowed induce vomiting by tickling the back part of the throat.
- Repeat until vomit is clear and free from the smell of poison.
- Administer artificial respiration or closed chest cardiac massage if necessary.
- Do not apply direct mouth-to-mouth respiration.
- Never give anything by mouth to an unconscious person.
- Call a physician immediately and advise him of poisoning, or transport patient to a physician or hospital, whichever is fastest.
- SHOW THIS LABEL TO THE PHYSICIAN.

NOTE TO PHYSICIAN:

Preferred treatment of poisoning in adults is Atropine sulphate 2 - 4 mg, intravenously, repeated at 10 to 30 minute intervals until atropinization (dry flushed skin and tachycardia) appears. Pralidoxime (2 PAM, Protopam) and other oximes are contra indicated. However, for exposure to both **SPITFIRE™ 900 SP** and an organophosphorus insecticide, 2 PAM may be used as required to supplement the atropine sulphate treatment as described.

AERIAL APPLICATION:

Aerial application of **SPITFIRE™ 900 SP** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS 10118 (Aerial Application of Agricultural Pesticides). 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 mixture volume of at least 30 l 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 to 40 droplets per cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 250 to 280 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 3 to 4 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.
- 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.

DIRECTIONS FOR USE:

USE ONLY AS DIRECTED

For period that has to be allowed between last treatment and harvest, see "WARNINGS".

COMPATIBILITY:

SPITFIRE™ 900 SP is compatible with most fungicides and insecticides normally used.

IT IS NOT COMPATIBLE WITH ALKALINE MATERIALS.

Do not use in combination with G-49 wetter on tobacco seedbeds or on citrus.

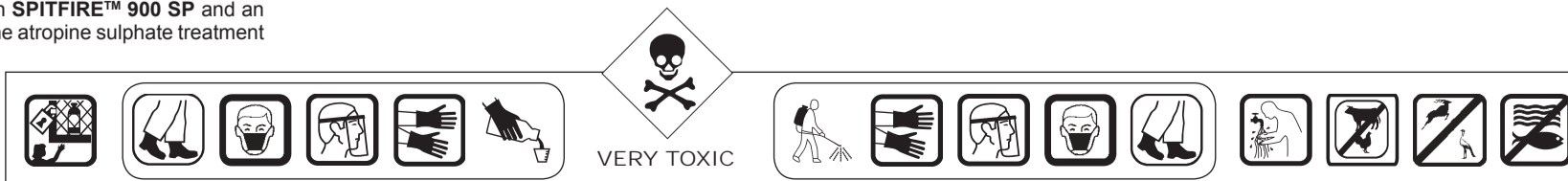
MIXING INSTRUCTIONS:

1. Fill spray tank with water from ¼ to ½ of its volume. Start agitation (use mechanical or hydraulic agitator).
2. Add the required number of **SPITFIRE™ 900 SP** water soluble sachets immediately to the water in the spray tank.
3. Do not touch water soluble sachets with bare hands or allow them to become wet before adding to contents of spray tank - wear dry rubber gloves.
4. Fill spray tank with water to the required volume and continue agitation for several minutes before spraying in order to dissolve water soluble sachets and its contents entirely.

APPLICATION TABLE:

CROP/PEST	DOSAGE	DIRECTIONS FOR APPLICATION
BEANS: American bollworm	Aerial application: 250 g per ha. Ground application: 50 g per 100 l water	Apply in 30 litres water per ha. as soon as the larvae appear. Repeat if necessary. (See AERIAL APPLICATION above.) Spray thoroughly to ensure good coverage. Apply up to 500 litres spray mixture per ha. depending on crop size. Repeat if necessary.
CITRUS: Aphids American bollworm	Ground application: 20 g per 100 l water Aerial application: 250 g per ha.	Apply as a light cover spray as soon as pests appear. Repeat when necessary. Apply in 50 litres water per ha. as soon as aphids and larvae appear. Repeat when necessary. (See AERIAL APPLICATION above.)
Mealy bug	20 g per 100 l water	Apply as a full cover spray with a high-pressure sprayer as soon as nymphs appear on the fruit. Repeat if necessary.
Orange dog caterpillar	25 g per 100 l water	Apply as a light cover spray as soon as larvae are noticed.
Red scale	100 g SPITFIRE™ 900 SP + 3 l narrow range mineral oil per 100 l water	Corrective treatment: Apply when 25 - 40 % of the fruit is infested with one or more live nymphs or adult scale. Bearing trees: Apply only once between December and March and on early maturing cultivars between December and January. Use only high-pressure hand spray guns. (compressor type). Do not apply with conventional citrus spray rigs.
Soft green scale	20 g SPITFIRE™ 900 SP + 500 ml narrow range mineral oil per 100 l water.	Apply as a full cover spray with a high-pressure pump when the first visible signs of infestation are seen. Do not use less than 500 ml narrow range mineral oil per 100 litres water.
Waxy scale	25 g per 100 l water	Apply as a full cover spray with a high-pressure pump as soon as the young nymphs of a new generation move from the leaves to the twigs. This treatment will not be successful against adult waxy scale.
CRUCIFERAE: (Broccoli, Brussels sprouts, Cauliflower, Cabbage) American bollworm	Aerial application: 250 g per ha. Ground application: 250 g per ha.	Apply in 30 litres water as soon as larvae appear. Repeat if necessary. (See AERIAL APPLICATION above.) Apply in sufficient water to ensure good coverage. Repeat if necessary.
Aphids Diamond-back moth and Greater cabbage moth larvae	Ground application: 50 g per 100 l water	Apply when pests first appear on the leaves and repeat weekly. Use up to 500 litres spray mixture per ha. During hot weather and peak infestation repeat application at intervals of 3 - 5 days. Ensure the thorough wetting of plants.

CROP/PEST	DOSAGE	DIRECTIONS FOR APPLICATION
GRAIN SORGHUM, WHEAT, LUPINS AND LUCERNE: American bollworm	Aerial application: 200 g per ha. Ground application: 200 g per ha. 50 g per 100 l water	Apply in 30 litres water as soon as larvae are noticed. Repeat if necessary. (See AERIAL APPLICATION above.) Low volume: Apply in 100 - 200 litres water. High volume: Apply up to 400 litres spray mixture per ha. Repeat if necessary.
GRAZING AND OTHER CROPS: Army worm	Ground application: 50 g per ha.	Apply in 400 litres water as soon as infestation is noticed.
MAIZE: American bollworm	Aerial application: 200 g per ha. Ground application: 200 g per ha. 50 g per 100 l water	SPITFIRE™ 900 SP WILL NOT KILL LARVAE WHICH HAVE ALREADY ENTERED THE COB Apply in 30 litres water per ha. as soon as larvae are observed on the silks. (See AERIAL APPLICATION above.) Low volume: Apply in 100 - 200 litres water. High volume: Apply up to 400 litres spray mixture per ha.
PEACHES: False codling moth	50 g per 100 l water	Early varieties: Apply two sprays ensuring that the trees are thoroughly wetted. Apply the first spray 4 weeks before harvest and the second spray 10 days later. Late varieties: Apply 3 sprays ensuring that the trees are thoroughly wetted. Start 6 weeks before harvest and repeat at 10-day intervals. REGISTERED TREATMENTS FOR FRUIT FLY CONTROL SHOULD ALSO BE APPLIED (TO BOTH EARLY AND LATE VARIETIES).
POTATOES: Potato tuber-moth (larvae) American bollworm	Aerial application: 300 - 500 g per ha. Ground application: 50 g per 100 l water	Apply in 30 litres of water per ha. (See AERIAL APPLICATION above.) Use the higher dosage if the spray interval exceeds one week. For tuber moth apply as soon as the plant is one month old and repeat applications weekly throughout the growing season. Potatoes must be ridged at least twice during the growing season. For American bollworm one application is enough to control one outbreak. If further outbreaks occur repeat applications as necessary. Ensure a good coverage and wetting of the plants. Apply up to 1 000 litres spray mixture per ha.
SUNFLOWERS: American bollworm	Aerial application: 100 g SPITFIRE™ 900 SP + 100 ml cypermethrin EC per ha.	Apply in at least 30 litres water per ha. as soon as eggs or larvae are noticed on the plants (approximate 6 weeks after planting). (See AERIAL APPLICATION above.) These products are only effective against larvae on the leaves and on the outside of the heads. SPITFIRE™ 900 SP WILL NOT KILL LARVAE WHICH HAVE ALREADY ENTERED THE HEADS. SPITFIRE™ 900 SP AND CYPERMETHRIN ARE TOXIC TO BEES AND SHOULD NOT BE SPRAYED IN THE FULL BLOSSOM PERIOD.
TOBACCO: American bollworm Tobacco slug Green stinkbugs (Pentatomidae)	Aerial application: 250 g per ha. Ground application: 50 g per 100 l water	Apply in 30 litres water when pests are noticed. Repeat if necessary. (See AERIAL APPLICATION above.) Apply when pests are noticed. Repeat if necessary. Apply up to 500 litres spray mixture per ha.
Leaf miner	Ground application: 50 g per 100 l water	Spray and wet plants thoroughly as soon as infestation is noticed. Repeat at weekly intervals. Apply up to 500 litres spray mixture per ha.
TOMATOES: American bollworm Tomato semi-looper Leaf miner Aphids Thrips	Ground application: 50 g per 100 l water	Apply as a full cover spray as soon as fruit begins to set or earlier if necessary and repeat at 7 - 10 day intervals during the growing season.



VERY TOXIC



SPITFIRE™ 900 SP

Reg. Nr. L8197 Wet Nr. 36 van 1947

'n Wateroplosbare poeier kontakinsekdoder met 'n kort nablywende werking vir die beheer van verskeie insekte op gewasse soos aangedui.

AKTIEWE BESTANDEEL:
Metomil (karbamaat)

GEREGISTREER DEUR:
BITRAD CONSULTING (PTY) LTD.
Co. Reg. No. 2002/025636/07
PO Box 51454, WIERDA PARK 0149

WAARSKUWINGS:

- ONTHOUDINGSPERIODES: MINIMUM AANTAL DAE WAT MOET VERSTRYK TUSSEN DIE LAASTE TOEDIENING EN OES OF WEIDING (VOER)

Aartappel en Groenbone	3 dae
Blomkool, Brokkoli, Spruitkool, en Kopkool	4 dae
Graansorghum, Koring, Lupiene, Lusern, Mielies en Weiding	7 dae
Perskes	16 dae
Sitrus (vir 20g per 100 liter dosis).....	2 dae
Sitrus (vir hoër dosis)	28 dae
Sonneblom	28 dae
Tabak (oondroog)	7 dae
Tabak (lugdroog)	14 dae
Tamaties	2 dae

- MOET NIE **SPITFIRE™ 900 SP** IN KOMBINASIE MET G-49 BENATTINGSMIDDEL OP TABAKSAADBEDDINGS OF OP SITRUS GEBRUIK NIE.
- Hanteer uiters versigtig.
- GIFTIG EN NOODLOTTIG INDIEN INGESLUK, INGEASEM OF DEUR VELKONTAK.
- Kan deur die vel en oë opgeneem word.
- Giftig vir visse, bye en ander diere.
- Bêre agter slot en grendel in 'n koel, droë plek buite bereik van kinders, oningeligte persone en diere en weg van voedsel en voer in ooreenstemming met die Wet op Gevaarhoudende stowwe 1973, (Wet No. 15 van 1973).
- Herbetreding:** Moet nie behandelde area binne 2 dae na toediening betree tensy beskermende klere gedra word nie.
- NIE VIR GEBRUIK IN HUISTUINE NIE.
- ONTBIED 'N GENEESHEER ONMIDDELLIK IN GEVAL VAN VERGIFTIGING** en stel hierdie etiket aan hom beskikbaar.
- Hou die houer dig toe.
- LUGTOEDIENING - Stel alle inwoners in die nabye omgewing in kennis van die area wat bespuit gaan word en reik die nodige waarskuwings uit. Moet nie oor aangrensende gebiede of waterbronne spuit of die spuitnewel toelaat om dit te besoedel nie.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is waarborg die registrasiehouer nie dat dit onder all 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 plaag teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, en omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel 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.

VOORSORGMATREËLS:

- Moenie die stofdampe of sproeinewel inasem nie.
- Dra altyd beskermende klere (oorpak, rubberstelwels- en handskoene, gesigskerm en respirator) wanneer die produk hanteer en toegedien word.
- Was die hele liggaam na werk met seep en water.
- Moenie eet, drink of rook gedurende toediening of vermenging, of voordat hande en gesig gewas is en ander klere aangetrek is nie.
- Voorom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Was besoedelde klere en beskermende toerusting in 'n sterk wassoda-oplossing, en spoel daarna deeglik uit voor hergebruik.
- Verhoed wegdrywing van sproeinewel na ander gewasse, weidings, riviere, damme en ander gebiede wat nie behandel word nie.
- Maak alle apparaat deeglik skoon na gebruik en moenie gewasse, weiding, riviere of damme met spoelwater besoedel nie.
- Maak seker dat plastiese houers en plastieksakkies leeg is (die plastieksakkies nie wateroplosbare sakkies in het nie) voor hulle vernietig word.
- Vernietig die leë houers deur gate daarin te maak en plat te slaan en raak daarvan op 'n verantwoordelike wyse ontslae.
- Moet nie leë houers vir enige ander doel gebruik nie.

WEERSTANDWAARSKUWING:

SPITFIRE™ 900 SP is 'n groepkode **1A** insekdoder. Enige populasie van 'n spesifieke insek mag individue insluit wat 'n natuurlike weerstand teen **SPITFIRE™ 900 SP**, of enige ander groepkode **1A** insekdoder het. Indien hierdie insekdoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die insekpopulasie oorheers. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **SPITFIRE™ 900 SP** of enige ander groepkode **1A** insekdoder beheer word nie

Om weerstand teen insekdoders te vertraag:

- Verm y die eksklusiewe herhaaldelike gebruik van insekdoders met dieselfde groepkode.
 - Wissel af met, of gebruik tenkmengsels van produkte in verskillende insekdoderprogramme.
 - Integreer ander beheermaatreëls (chemies, verbouing, biologies) in insekdoderprogramme.
- Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

SIMPROME VAN MENSLIKE VERGIFTIGING

Hoofpyn, vermoedigheid, flouheid, duiseligheid, oormatige sweet, mislikheid, buikpyn, braking, belemmerde gesigsvermoë, spiertrekkings, ongewoon verkleinde pupille, asemhalingsnood, bewusteloosheid.

TEENMIDDEL:

Atropien-sulfaat.

NOODHULPBEHANDELING:

- VERKRY ALTYD ONMIDDELLIK BEHANDELING VAN 'N GENEESHEER.
- Verwyder persoon van die oorsaak van vergiftiging (na 'n koel en goed geventileerde omgewing).
- Stel hom gerus en hou hom stil.
- Verwyder besoedelde klere en spoel die besmette liggaamsdele met baie seep en koue water af.
- Moet nie die vel hard vrywe nie.
- Besmette oë moet vir minstens 15 minute met skoon water uitgespoel word.
- Indien per mond ingeneem, veroorsaak braking deur die agterste gedeelte van die keel met vinger te prikkel.
- Herhaal totdat braaksel helder is en nie meer na gif ruik nie.
- Pas kunsmatige asemhaling of geslote hartmassering toe indien nodig.
- Moet nie direkte mond-tot-mond asemhaling toepas nie.
- Moet nooit iets per mond aan 'n bewustelose persoon toedien nie.
- 'n Geneesheer moet onmiddellik ontbied word of die pasiënt moet onmiddellik na die naaste hospitaal of geneesheer vervoer word, afhangende watter die vinnigste is.
- STEL DIE ETIKET BESKIKBAAR AAN DIE GENEESHEER.

INLIGTING AAN GENEESHEER:

In die geval van volwassenes moet Atropien-sulfaat 2 - 4 mg, binnears toegedien word. Herhaal elke 10 tot 30 minute totdat pasiënt ten volle ge-atropiniseerd is (droë gloeiende vel en tagikardie). Pralidoxime (2 PAM, Protopam) en ander oksieme het die teenoorgestelde uitwerking en moet NIE gebruik word nie.

In geval van blootstelling aan sowel **SPITFIRE™ 900 SP** as 'n organiese fosfaatinsekdoder mag 2 PAM gebruik word soos benodig om die voorgeskrewe atropien-sulfaat behandeling aan te vul.

LUGTOEDIENING:

SPITFIRE™ 900 SP kan slegs deur 'n geregistreerde Lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS 10118 (Aerial Application of Agricultural Pesticides) uit die lug bespuit word. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word, en die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- Volume:** 'n Spuitmengsel volume van minstens 30 l per ha word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiëit waarborg, of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- Druppel bedekking:** 30 tot 40 druppels per cm² moet op die teikenarea herwin word.
- Druppelgrootte:** 'n Druppelspektrum met 'n VMD van 250 tot 280 mikrons word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikrons (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- Vlieghoogte:** Handhaaf die hoogte van die spuitbalk bo die teiken op 3 tot 4 meter. Moet nie spuit wanneer die vliegtuig duik nie, uitklm of draai nie.
- Gebruik geskikte **atomiseringsapparaat** wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die binnste 60 tot 75 % van die vierkspan om te verhoed dat druppels binne-in die **vierkpuntvorteks** beweeg.
- Die verskil in **temperatuur** tussen die nat- en droëboltermometer van 'n swaaighrometer, moet nie 8°C oorskry nie.
- Stop bespuiting indien die **windspoed** 15 km/uur oorskry.
- Stop bespuiting tydens **turbulente**, onstabiele en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur **inversie toestande** (deur bo of binne die inversie laag te spuit) en/of **hoë lugvog toestande** (relatiewe humiditeit 80% en meer) mag tot volgende probleme aanleiding gee:
 - verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken)
 - skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.
- Verseker dat die Lugbespuitingsoperateur presies weet watter lande bespuit moet word.
- Dit is noodsaaklik om 'n versekering van die Lugbespuitingsoperateur te verkry dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

GEBRUIKSAANWYSINGS:

GEBRUIK SLEGS SOOS AANGEDUI

Sien “**WAARSKUWINGS**” aangaande tydsduur wat moet verloop tussen laaste behandeling en oes.

VERENIGBAARHEID:

SPITFIRE™ 900 SP is verenigbaar met meeste swamdoders en insekmiddels wat normaalweg gebruik word. DIT IS NIE VERENIGBAAR MET ALKALIESE STOWWE NIE.

Moet nie in kombinasie met G-49 benatter op tabaksaadboddings of sitrus gebruik nie.

MENGINSTRUKSIES:

- Vul die spuittenk ¼ tot ½ met water. Skakel roermeganisme (meganies of hidrolies) aan.
- Plaas die verlangde aantal **SPITFIRE™ 900 SP** wateroplosbare sakkies onmiddellik in die water in spuitenk.
- Moet nie die wateroplosbare sakkies met kaal hande aanraak nie of laat nat word voor dit by die inhoud van die spuitenk gevoeg word - dra droë rubberhandskoene.
- Vul die spuittenk verder met water tot verlangde volume en hou aan met roer vir 'n paar minute voor gespuit word om die sakkies en die inhoud daarvan volledig op te los.

TOEDIENINGSTABEL:

GEWAS/PLAAG	DOSIS	GEBRUIKSAANWYSINGS
AARTAPPELS: Aartappelmot (larwes) Amerikaanse bolwurm	Lugtoediening: 300 - 500 g per ha. Grondtoediening: 50 g per 100 l water	Dien toe in 30 liter water. (Sien LUGTOEDIENING hierbo.) Gebruik die hoër dosis as die spuitussenpose langer as een week is. Vir aartappelmot, begin toedien sodra die plant een maand oud is en herhaal toedienings weekliks gedurende die groeiseisoen. Aartappels moet ten minste twee maal gedurende die groeiseisoen opgeërd word. Vir Amerikaanse bolwurm is een toediening genoeg om een verskyning te beheer. Indien verdere verskynings plaasvind herhaal toediening soos nodig.
BOONTJIES: Amerikaanse bolwurm	Lugtoediening: 250 g per ha. Grondtoediening: 50 g per 100 l water	Dien in 30 liter water toe sodra die larwes opgemerk word. Herhaal indien nodig. (Sien LUGTOEDIENING hierbo.) Sorg vir goeie benatting van plante. Dien tot 500 liter spuitmengsel per ha. toe afhangende van gewasgrootte. Herhaal indien nodig.
GRAANSORGHUM, KORING, LUPIENE EN LUSERN: Amerikaanse bolwurm	Lugtoediening: 200 g per ha. Grondtoediening: 200 g per ha. 50 g per 100 l water	Dien in 30 liter water toe sodra die larwes opgemerk word. Herhaal indien nodig. (Sien LUGTOEDIENING hierbo.) Lae volume: Dien in 100 - 200 liter water toe. Hoë volume: Dien tot 400 liter spuitmengsel per ha toe. Herhaal indien nodig.
KOOLGEWASSE: (Brokkoli, Spruitkool, Blomkool, Kopkool) Amerikaanse bolwurm	Lugtoediening: 250 g per ha Grondtoediening: 250 g per ha	Dien in 30 liter water toe sodra die larwes hulle verskyning maak. Herhaal indien nodig. (Sien LUGTOEDIENING hierbo.) Dien in genoeg water toe om 'n goeie bedekking te verseker. Herhaal indien nodig.
Larwes van die Ruitrugmot Grootkoolmot Plantluis	50 g per 100 liter water	Dien toe wanneer plaë vir die eerste keer op die blare verskyn. Herhaal weekliks. Gebruik tot 500 liter spuitmengsel per ha. Gedurende warm weer en hoë infestasie, verkort die spuit tussenposes na 3 - 5 dae. Sorg dat die plante deeglik benat word.



UITERS GIFTIG

GEWAS/PLAAG	DOSIS	GEBRUIKSAANWYSINGS
MIELIES: Amerikaanse bolwurm	Lugtoediening: 200 g per ha. Grondtoediening: 200 g per ha. 50 g per 100 liter water	SPITFIRE™ 900 SP SAL NIE LARWES DOOD WAT REEDS DIE MIELIEKOP BINNEGEDRING HET NIE. Dien in 30 liter water toe sodra die larwes op die baard opgemerk word. (Sien LUGTOEDIENING hierbo.) Lae volume: Dien in 100 - 200 liter water toe. Hoë volume: Dien tot 400 liter spuitmengsel per ha toe.
PERSKES: Valkodlingmot	50 g per 100 l water	Vroeë variëteite: Dien twee bespuitings toe en sorg dat die bome deeglik benat word. Dien die eerste bespuiting 4 weke voor oestyd toe en die tweede bespuiting 10 dae later. Laat variëteite: Dien 3 bespuitings toe en begin 6 weke voor oes en herhaal met tussenposes van 10 dae. Verseker goeie benatting van die bome. DIEN OOK 'N GEREGETREERDE PRODUK TOE VIR DIE BEHEER VAN VRUGTEVLIEË OP BEIDE VROEE EN LAAT VARIËTEITE.
SITRUS: Plantluis Amerikaanse bolwurm	Grondtoediening: 20 g per 100 l water Lugtoediening: 250 g per ha.	Dien toe as 'n ligte dekbespuiting wanneer die plantluis en/of larwes verskyn. Herhaal indien nodig. Dien toe in 50 liter water per ha. sodra plantluis en larwes opgemerk word. Herhaal indien nodig. (Sien LUGTOEDIENING hierbo.)
Lemoenvlinder (larwes)	25 g per 100 l water	Dien toe as 'n ligte dekbespuiting sodra die larwes opgemerk word.
Rooidoopluis	100 g SPITFIRE™ 900 SP + 3 l smalbestek minerale olie per 100 l water	Korrektiewe behandeling: Dien toe wanneer 25 - 40 % van die vrugte besmet is met een of meer lewendende nimfe of volwasse dopluis. Draende bome: Dien slegs eenkeer toe vanaf Desember tot Maart en op vroeë kultivars vanaf Desember tot Januarie. Gebruik slegs hoë lugdruk handspuitgewere (kompressor-tipe). Ander konsvensionele sitrus bespuitings-apparaat moet nie gebruik word nie.
Sagte groen dopluis	20 g SPITFIRE™ 900 SP + 500 ml smalbestek minerale olie per 100 l water.	Dien toe as 'n volle dekbespuiting met 'n hoëdrukspuitpomp met eerste tekens van besmetting. Moenie minder as 500 ml sitrus smalbestek minerale olie per 100 liter water gebruik nie.
Wasdopluis	25 g per 100 l water	Dien toe as 'n volle dekbespuiting met 'n hoëdrukpomp sodra die jong nimfe van 'n nuwe geslag vanaf die blare na die takkies beweeg. Hierdie behandeling sal nie suksesvol teen volwasse wasdopluis wees nie.
Witluis	20 g per 100 l water	Dien toe as 'n volle dekbespuiting met 'n hoëdrukpomp sodra nimfe op vrugte voorkom. Herhaal indien nodig.
SONNEBLOM: Amerikaanse bolwurm	Lugtoediening: 100 g SPITFIRE™ 900 SP + 100 ml sipermetrin EC per ha.	Dien toe in ten minste 30 liter water per ha. sodra eiers of larwes op plante opgemerk word (ongeveer 6 weke na plant). (Sien LUGTOEDIENING hierbo.) Hierdie middels is slegs effektief teen larwes op die blare en aan die buitekant van die kop. SPITFIRE™ 900 SP SAL NIE LARWES WAT REEDS DIE KOP BINNEGEDRING HET, DOOD NIE. SPITFIRE™ 900 SP EN SIPERMETRIEN IS GIFTIG VIR BYE EN MOET NIE IN DIE VOLBLOMSTADIUM GESPUIT WORD NIE.
TABAK: Amerikaanse bolwurm Tabakslak Groenstinkbesies (Pentatomidae)	Lugtoediening: 250 g per ha. Grondtoediening: 50 g per 100 l water	Dien toe in 30 liter water wanneer plaë opgemerk word. Herhaal indien nodig. (Sien LUGTOEDIENING hierbo.) Dien toe wanneer plaë opgemerk word. Herhaal indien nodig. Dien tot 500 liter spuitmengsel per ha. toe.
Blaarmyner	Grondtoediening: 50 g per 100 l water	Dien toe wanneer plaag opgemerk word en verseker deeglike benatting van plant. Spuit weekliks. Dien tot 500 liter spuitmengsel per ha. toe.
TAMATIES: Amerikaanse bolwurm Valslandmeterlarf Plantluis Blaarmyner Blaaspoottjie	Grondtoediening: 50 g per 100 l water	Dien toe as 'n volle dekbespuiting met vrugset of vroeër indien nodig en herhaal met tussenposes van 7 - 10 dae gedurende die groeiseisoen.
WEIDINGS EN ANDER GEWASSE: Kommandowurm	Grondtoediening: 50 g per ha.	Dien toe in 400 liter water per ha. sodra besmetting opgemerk word.