



# Meridian agritech



## AGRITAP SP

**BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY**

**GEBRUIKSAANWYSINGS INGESLUIT**  
**VERWYS NA BESONDERHEDE**  
**SOOS OP HOUER / SAK GEDRUK**  
Lotnummer  
Datum van vervaardiging

**DIRECTIONS FOR USE ENCLOSED**  
**REFER TO DETAILS AS PRINTED**  
**ON CONTAINER / BAG**  
Batch Number  
Date of manufacture

### AGRITAP SP

INSECTICIDE

Reg. No. L9464, Act/Wet No. 36 of/van 1947 1: 13/02/2014

**A soluble powder contact and systemic insecticide for the control of pests on crops as listed.**

**'n Oplosbare poeier kontak en sistemiese insekdoder vir die beheer van plae op gewasse soos aangedui.**

IRAC INSECTICIDE GROUP CODE	4C	IRAC INSEKDODERGROEPKODE
ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL		
Cartap hydrochloride	500 g/kg	Kartap hidrochloried

Registration Holder / Registrasiehouer  
**Meridian Agrochemical Company (Pty.) Ltd. / (Edms.) Bpk.**  
 Reg. No. 2000/010819/07  
 P.O. Box / Posbus 436, Modderfontein, 1645, South Africa / Suid-Afrika

1kg

**HARMFUL / SKADELIK**

## WARNINGS

**Withholding periods:** Minimum number of days between last application and harvest.

Tomatoes.....	7 days
Cabbage.....	7 days
Onions.....	14 days

- Handle with care.
- Harmful if swallowed.
- Toxic to fish, harmful to wildlife and moderately toxic to bees.
- Keep container tightly sealed and store in a cool place.
- Store away from food and feeds.
- Keep out of reach of children, uninformed persons and animals.
- Alternate the use on crops as listed with other registered products with a different mode of action and chemistry to prevent the build-up of resistance against **AGRITAP SP**.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Meridian Agrochemical Company (Pty) Ltd accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless a Meridian representative was consulted beforehand.
- **RE-ENTRY INTERVAL:** Do not enter treated area within 1 day after treatment unless wearing protective clothing.

**Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the 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

- Do not inhale dust or spray mist.
- Wear suitable protective clothing when handling the powder: overalls, rubber boots and gloves, as well as nose, mouth and eye protection.
- Do not eat, drink or smoke whilst mixing, applying or before washing hands and face.
- Wash contaminated clothing daily.
- Wash with soap and water after accidental skin contact and after use.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Avoid spray drift onto other edible crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator thoroughly after use. Dispose of wash water where it will not contaminate other crops, grazing, rivers or dams.
- Invert the empty container over the spray or mixing tank and empty thoroughly. Destroy the empty container. Do not re-use the container for any other purpose.

## SYMPTOMS OF POISONING

Nausea, trembling, salivation, dyspnoea and mydriasis.

### FIRST AID TREATMENT:

Wash contaminated body area well with soap and water. **Seek medical assistance immediately.**

Flush contamination out of eyes with clean water for 15 minutes. **Seek medical assistance immediately.**

If ingested, induce vomiting by tickling the back of the throat if instructed to do so by a medical practitioner. If ingested, seek medical assistance immediately.

If inhaled, remove the patient to fresh air, lie the patient down and keep them warm and at rest. If breathing is shallow or has stopped, ensure the airway is clear and apply resuscitation. **Seek medical assistance immediately.**

## NOTE TO PHYSICIAN

**AGRITAP SP** is not a cholinesterase inhibitor. Administer intravenous injection of 100 – 200 mg/litre Cysteine or intramuscular injection of 20 – 60 mg of BAL (Dimercaprol).

### RESISTANCE WARNING

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

#### To prevent insecticide resistance:

- Avoid excessive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with registered products from different insecticide group codes.
- Integrate other control methods (chemical, cultural, biological) into insect programmes.

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

### DIRECTIONS FOR USE

Use only as directed.

#### Compatibility:

- The compatibility of **AGRITAP SP** with other products may be influenced by the formulation of the products involved, as well as by the quality of the water. As these factors may vary, a physical compatibility test must always be performed before the tank mix is sprayed.
- When **AGRITAP SP** is used on in conjunction with any other agricultural remedy, all **Warnings, Precautions and directions for use** mentioned on that label.
- Because **AGRITAP SP** is susceptible to alkaline hydrolysis, the addition of a suitable buffer is recommended.
- The use of an adjuvant such as **SOLITAIRE**, a modified vegetable oil with penetrating and spreading properties, is recommended at a rate of 500 ml/ha.
- Due to resistance of diamondback moth to pyrethroids, carbamates and organophosphates, alternate the use of **AGRITAP SP** on crops as listed with other registered products with a different mode of action and chemistry to prevent the build-up of resistance against **AGRITAP SP**.

CROP/PEST	DOSAGE	REMARKS
<b>Tomatoes</b> American Leafminer ( <i>Liriomyza trifolii</i> )	400 g to a maximum of 2 kg/ha	Apply to field tomatoes at the first sign of infestation as a full cover spray. Repeat every 7 days in a programme. Do not exceed the recommended dosage rate as phytotoxicity may occur.
<b>Potatoes</b> Potato Leafminer ( <i>Liriomyza huidobrensis</i> )	400 g to a maximum of 2 kg/ha	Start spraying when the first moths are noticed, and repeat every 6 - 8 days until the infestation decreases. Apply 500 l spray mixture per hectare.
Potato Tuber moth ( <i>Phthorimaea operculella</i> )	400 g to a maximum of 2 kg/ha	<b>AGRITAP SP</b> applications are not effective against existing tuber infestations. Application must start as soon as the first moths are noticed. Repeat every 10 – 14 days until the infestation decreases. Alternate with other insecticides from a different IRAC grouping. Apply in 500 l spray mixture per hectare. Good agricultural practices are advised, such as proper ridging of beds to prevent soil cracks.
<b>Onions</b> Thrips ( <i>Thrips tabaci</i> )	400 g to a maximum of 2 kg/ha	Apply as soon as pest is noticed and repeat every 6 – 8 days.
<b>Cabbage</b> Diamondback moth larva ( <i>Plutella xylostella</i> )	400 g to a maximum of 2 kg/ha	Apply every 6 – 8 days as a full cover spray, at 500 l spray mixture per hectare. Alternate <b>AGRITAP SP</b> with other registered diamond backed moth larvae pesticides on cabbage. Will also control Cabbage webworm if present at application and at low numbers.

#### Acknowledgement of Trademarks:

Solitaire (L6962).....SAFAGRIC (Pty) Ltd

## WAARSKUWINGS

**Onthoudingsperiodes:** Minimum aantal dae tussen laaste toediening en oes.

Tamaties.....	7 dae
Kool.....	7 dae
Uie.....	14 dae

- Hanteer versigtig.
- Skadelik indien ingesluk.
- Giftig vir vis, skadelik vir wild en matig giftig vir bye.
- Hou houer dig geseël en bêre in 'n koel plek.
- Bêre weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Wissel die gebruik, op gewasse soos gelys, af met ander geregistreerde produkte met verskillende werkswyse en chemie, om opbou van weerstand teen **AGRITAP SP** te verhoed.
- Moet nie die produk vermeng of byvoeg by 'n ander landbou remedie of tenkmengsel wat nie spesifiek op die etiket aangebring is nie. Meridian Agrochemical Company (Pty) Ltd aanvaar geen verantwoordelikheid vir enige negatiewe effekte wat ervaar word indien die instruksies op die etiket na nagekom word nie, behalwe as 'n Meridian verteenwoordiger vooraf gekonsulteer is nie.
- Moet nie gebruik maak van hierdie produk op 'n manier wat nie op hierdie etiket verskyn nie
- **HERBETREDING:** Moet nie behandelde gebied betree vir 1 dag na die bespuiting nie, tensy beskermende oorklere 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 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, 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.**

## VOORSORGMATREËLS

- Moet nie poeierstof of spuitmis inasem nie.
- Dra geskikte beskermende klere as poeier hanteer word: oorpakke, rubberstewels en – handskoene, sowel as neus-, mond- en oogbeskerming.
- Moet nie eet, drink of rook tydens toediening, hantering of voordat hande en gesig gewas is nie.
- Was besoedelde klere daaglik.
- Was met seep en water na toevallige aanraking met vel en na gebruik.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Voorkom besoedeling van ander gewasse, weiding, riviere, damme en gebiede nie onder behandeling nie.
- Maak toediener deeglik skoon na gebruik. Gooi die waswater waar dit nie ander gewasse, weiding, riviere of damme sal besoedel nie.
- Keer die leë houer om oor die spuit- of mengtenk en ledig deeglik. Vernietig die leë houer. Moet nie die houer vir enige ander doel gebruik nie.

## SIMPTOME VAN VERGIFTIGING

Naarheid, spiertrekking, kwyling, disponea en midriasis.

## NOODHULPBEHANDELING

Was gekontamineerde liggaamsdele deeglik met seep en water.

Spoel besmette oë vir 15 minute uit met skoon water.

Indien ingesluk, veroorsaak vomering deur die agterste gedeelte van die keel met u vinger te prikkel.

## NOTA AAN GENEESHEER

**AGRITAP SP** is nie 'n cholienesterase inhibeerder nie. Dien 100 – 200 mg/liter Cisteine binne-aars toe, of 20 – 60 mg BAL (Dimercaprol) binnespiers toe.

## WEERSTANDSWAARSKUWING

**AGRITAP SP** is 'n groepkode 4C insekdoder. Enige populasie van 'n spesifieke insek mag individue insluit wat 'n natuurlike weerstand teen **AGRITAP SP**, of enige ander groepkode 4C insekdoder het. Indien hierdie insekdoders herhaaldelik aangewend word, kan die weerstand-biedende individue uiteindelik die insek populasie oorheers. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **AGRITAP SP** of enige ander groepkode 4C insekdoder beheer word nie.

#### Om weerstand teen insekdoders te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van insekdoders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende insekdodergroep-kodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in insekdoder programme.

Vir spesifieke inligting oor weerstandbestuur kontak die registrasiehouer van hierdie produk.

#### GEBRUIKSAANWYSINGS

##### Gebruik slegs soos aangedui.

##### Vereenigbaarheid:

- Die verenigbaarheid van **AGRITAP SP** met ander produkte kan beïnvloed word deur die formulering van die betrokke produk, asook deur die kwaliteit van die water. Aangesien hierdie faktore kan varieer, moet 'n fisiese verenigbaarheidstoets altyd uitgevoer word voordat die tenkmengsel gespuit word.
- Wanneer **AGRITAP SP** in kombinasie met enige ander landboumiddel gebruik word, moet alle WAARSKUWINGS, VOORSORGMATREËLS en GEBRUIKSAANWYSINGS soos aangedui op daardie etiket.
- Omdat **AGRITAP SP** geneig is to alkalise hidrolise, word die gebruik van **Aqua-Right 5** teen 50 ml/100 l aanbeveel.
- Die gebruik van **SOLITAIRE**, 'n gemodifiseerde plantolie met penetrasie en verspreidings-eienskappe, word aanbeveel teen 'n dosis van 500 ml/ha.
- As gevolg van die weerstand van ruitrugmot teen piretroïedes, karbamate en organofosfate, gebruik **AGRITAP SP** in 'n program met ander geregistreerde produkte wat verskillende chemie en metode van aksie het, om die opbou van weerstand te voorkom.

GEWAS / SIEKTE	DOSIS	OPMERKINGS
<b>Tamaties</b> Amerikaanse Blaarmyner ( <i>Liriomyza trifolii</i> )	400 g tot 'n maksimum van 2 kg/ha	Dien toe op landery tamaties met eerste teken van infestasië as 'n volle dekbespuiting. Herhaal elke 7 dae in 'n program. Moet nie die aanbevole dosis oorskry nie, aangesien fitotoksiteit mag voorkom.
<b>Aartappels</b> Aartappel Blaarmyner ( <i>Liriomyza huidobrensis</i> )	400 g tot 'n maksimum van 2 kg/ha	Begin bespuitings sodra eerste motte opgemerk word, en herhaal elke 6 – 8 dae totdat die infestasië afneem. Dien 500 l spuitmengsel per hektaar toe.
Aartappelmot ( <i>Phthorimaea operculella</i> )	400 g tot 'n maksimum van 2 kg/ha	<b>AGRITAP SP</b> toedienings is nie effektief teen bestaande knolinfestasië nie. Begin toediening sodra die eerste motte opgemerk word. Herhaal elke 10 – 14 dae totdat die infestasië afneem. Maak gebruik van insekdoders met verskillende mode van werking. Dien toe in 500 l spuitmengsel per hektaar. Goeie landboupraktyke word aanbeveel, soos om beddings behoorlik op te erd om grondkrake te voorkom.
<b>Uie</b> Blaaspoetjie ( <i>Thrips tabaci</i> )	400 g tot 'n maksimum van 2 kg/ha	Dien toe sodra plaag opgemerk word en herhaal elke 6 – 8 dae. Die gebruik van 'n benatter soos Aqua-Wet word aanbeveel.
<b>Kool</b> Ruitrugmot larf ( <i>Plutella xylostella</i> )	400 g tot 'n maksimum van 2 kg/ha	Dien elke 6 – 8 dae as 'n volle dekbespuiting teen 500 l spuitmengsel per hektaar toe. Wissel <b>AGRITAP SP</b> af met ander geregistreerde ruitrugmot larf plaagdoders wanneer gespuit word op kool. Sal ook Kool Spinwurm beheer indien teenwoordig met bespuiting en in lae getalle.

#### Erkenning van handelsmerke

Solitaire (L6962).....SAFAGRIC (Pty) Ltd