



## WARNINGS

Allow the following number of days between last application and harvest:

Citrus.....	28 days
Cotton (seed and feeding).....	28 days
Tomatoes.....	5 days

## EXPORT CROPS

**The local MRL's will not be exceeded if PARSEC 200 EC is used according to the label instructions. However, Makhteshim-Agan SA (Pty) Ltd cannot be held responsible if export MRL's are exceeded by following the label instructions. The local export marketing bodies must be consulted regarding application timing, withholding periods and specific tolerances of countries where produce will be exported to.**

- Handle with care
- Harmful by ingestion, contact and inhalation
- **Flammable:** keep away from open flames
- Store in a cool, dry place away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- **Aerial application:** Notify all inhabitants in the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas and 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 soil, 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 to 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 fumes or spray mist
- Wear protective clothing, face mask and gloves when handling the concentrate
- Wash with soap and water after accidental skin contact. Take off contaminated clothing. Wash working clothes daily
- Do not eat, drink or smoke whilst mixing or applying or before hands and face are washed.
- Prevent contamination of eating utensils and drinking water
- Do not contaminate adjacent areas, grazing, rivers, dams or other water sources
- Invert the empty container over the spray tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the empty container three times with a volume of water of at least equal to 10 % of that of the container. Add the rinsings to the spray tank before destroying the empty container.
- Destroy the empty container by perforating and flattening it and never re-use for any other purpose.

## SYMPTOMS OF HUMAN POISONING

Symptoms are nausea, vomiting, abdominal pain, diarrhea, depression, dispnea and arterial hypertension.

## FIRST AID

Ingestion:	Get immediate medical attention. Do not give anything to eat or to drink and do not cause vomiting.
Eye contact:	Wash with copious amounts of clean running water for at least 15 minutes with the eyelids help open. Get medical attention.
Inhalation:	Remove the patient to fresh air and keep at rest. If needed, apply artificial respiration and give oxygen if necessary.
Skin contact:	Wash with copious amounts of water

## NOTE TO PHYSICIAN

If ingested apply gastric lavage considering the danger of product aspiration. There is no specific antidote. Treat symptomatically and give supportive therapy.

## DIRECTIONS FOR USE

Use only as directed

## COMPATIBILITY

PARSEC® 200 EC is compatible with most of the insecticides and fungicides that are commonly used. However, acid solutions will have a negative effect on the effectivity of PARSEC® 200 EC. It is therefore recommended that the pH of the spray mixture should be > 7. The spray mixture should be used immediately and not be allowed to stand for long periods or overnight.

## MIXING INSTRUCTIONS

Half fill the spray tank with clean water and ensure that the pH is 7 or more. Add the required volume of PARSEC® 200 EC while agitating. Fill tank with water while agitating. Ensure that agitation is maintained during mixing and application

## APPLICATION METHODS

### GROUND APPLICATION

PARSEC® 200 EC can be applied by any suitable correctly calibrated medium – or high volume applicator, provided it is able to distribute the spray mixture evenly over the target area and that it is fitted with an efficient agitation system.

### AERIAL APPLICATION:

Aerial application of PARSEC® 200 EC may only be done by a registered Aerial Application Operator using a correctly calibrated registered aircraft according to the instructions of the SABS Code 0118 (Aerial application of 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 are met:

- Volume: A spray mixture volume of 30 l / ha 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 – 30 droplets / cm<sup>2</sup> must be recovered on the target area
- Droplet size: A droplet spectrum with a VMD of 250 – 280 micron is recommended. Limit the production of fine droplets less than 150 micron (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom 3 – 4 metres above the target. Do not spray when aircraft is diving, climbing or when banking
- Use suitable atomizing equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of the product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomizers within the inner 60 – 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 dry conditions during the heat of the day
- Spraying under temperature inversion conditions (spraying in or above the inversion line) and / or high humidity conditions (relative humidity 80 % and above) may lead to the following:
  - a) Reduced efficacy to suspension and evaporation of small droplets in the air (inadequate coverage)
  - b) 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 mentioned requirements will be met and that the relevant data will be compiled in a logbook and kept for future reference.

## SCOUTING METHODS FOR RED SPIDER MITE

Determine the red spider mite population index by weekly scouting as follows:

Examine 48 plants per 15 ha. Choose 3 leaves per plant, one from the middle and two from the upper portion. Count the number of adult females on these three leaves and allocate one of the following values to the total:

0 mite	=	0
1 – 10 mites	=	1
11 – 30 mites	=	2
> 31 mites	=	3

The population index is then calculated by adding up the values obtained for the 48 plants and dividing the sum total by 48. Commence application if the population index has reached a value of 1. Repeat application as soon as any marked increase in the population index is noticed. Control must be aimed in keeping the population index below the spray threshold of 1,0.

## APPLICATION RATES

CROP	DOSAGE ℓ / ha	REMARKS
COTTON Red spider mite ( <i>Tetranychus spp</i> )	1,5 ℓ / ha	Commence application as soon as the population index value reached the 0,5 level. Do not delay application until high infestation levels are reached. Repeat application if a marked increase in the population is reached. Aim control to keep the population index below the spray threshold up to 20 weeks after crop emergence. Ensure a thorough coverage of all plant parts. Apply at least 200 ℓ water / ha for ground application and at least 30 ℓ water for aerial application.
CITRUS Citrus red mite <i>Panonychus citri</i>	200 ml / 100 ℓ water	Apply as a light to medium cover application when 2 – 4 mites per leaf are noted and before serious damage to foliage occurs. Inspect orchard regularly and repeat application if necessary. Do not apply later than 100 % petal fall on fruit destined for export. Ensure that residue requirements on export fruit are met. Will also control Citrus budmite ( <i>Aceria sheldoni</i> ) and Citrus flatmite ( <i>Brevipalpus spp</i> ) if present at time of application for red mite.
ORNAMENTALS Red spider mite ( <i>Tetranychus spp.</i> )	30 ml / 10 ℓ water	Commence application as soon as mites are seen as a full cover application. Ensure a thorough wetting of both the upper and lower surfaces of the leaves.
TOMATOES Red spider mite ( <i>Tetranychus urticae</i> ) American bollworm <i>Helicoverpa armigera</i> Plusia looper <i>Chrysodexis acuta</i> Tuber moth <i>Phthorimaea operculella</i> American leafminer <i>Liriomyza trifolii</i>	300 ml Parsec plus 45 ml Seizer / 100 ℓ water	Use only on transplanted tomatoes. Commence application as soon as the first sign of pests is noticed. Depending on plant size use 500 – 2000 ℓ spray mixture per ha. Ensure thorough wetting of the upper and lower leaf surfaces. This application can be made only once per growing season.

SEIZER 100 EC (Reg No L 7471, Act 36 / 1947) contains bifenthrin (Harmful) is the registered trade mark of Makhteshim-Agan SA (Pty) Ltd

## WAARSKUWINGS

Laat die volgende aantal dae toe tussen die laaste toediening en oes:

Katoen (voer en saad).....	28 dae
Sitrus.....	28 dae
Tamaties.....	5 dae

## UITVOERGEWASSE

**Die lokale MRL waardes sal nie oorskry word as PARSEC 200 EC volgens etiketaanbevelings gebruik word nie. Makhteshim-Agan SA (Pty) Ltd aanvaar egter nie die verantwoordelikheid as uitvoer MRL's oorskry word as die etiketaanbevelings nagevolg word nie. Die plaaslike uitvoerbemarkers moet geraadpleeg word in verband met toedieningstye, onthoudingsperiodes en spesifieke toleransies vir lande waarheen produkte uitgevoer gaan word.**

- Hanteer versigtig
- Skadelik indien ingesluk, deur die vel opgeneem of ingeasem word
- **Vlambaar:** hou weg van oop vlamme
- Berg in 'n koel, droë plek weg van voedsel en voer
- Hou buite bereik van kinders, oningeligte persone en diere
- **Lugtoediening:** Stel alle inwoners in die onmiddellike omgewing wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moet nie oor aanliggende gebiede of water spuit of toelaat dat spuitnewel daaroor dryf nie.

**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 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 verantwoordelikeheid vir skade aan gewasse, 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.**

## VOORSORGMAATREËLS

- Moet nie dampe of spuitnewel inasem nie
- Dra beskermende oorklere, gesigsmasker en handskoene as die konsentraat hanteer word
- Was met water en seep na per ongeluk met vel in aanraking gekom het. Trek besoedelde klere uit en was werksklere daaglik.
- Moet nie eet, drink of rook tydens vermenging of toediening of voor hande en gesig gewas is nie.
- Verhoed die besoedeling van eetgerei en drinkwater
- Verhoed die besoedeling van aanliggende gebiede, weiding, riviere, damme of ander waterbronne.
- Keer die leë houer om oor die spuittenk en laat toe om te dreineer vir ten minste 30 sekondes nadat die vloeï tot 'n gedrup verander het. Spoel daarna die leë houer uit met 'n volume water gelykstaande aan minstens 10 % van die volume van die houer en gooi die spoelwater in die mengtenk voordat die leë houer vernietig word.
- Vernietig die leë houer deur gate daarin te maak en plat te druk. Moet dit vir geen ander doel hergebruik nie.

## SIMPTOME VAN MENSLIKE VERGIFTIGING

Naarheid, braking, maagpyn, diaree, asemnood en arteriese hipertensie

## NOODHULPBEHANDELING

- Inname: Kry onmiddellik mediese behandeling. Moet geen vaste- of vloeistowwe ingee nie. Moet nie braking veroorsaak nie.
- Oogkontak: Was met groot hoeveelhede lopende skoon water vir minstens 15 minute terwyl ooglede oopgehou word. Kry mediese behandeling.
- Inaseming: Neem die pasiënt na 'n gebied met vars lug en hou rustig. Indien nodig, pas kunsmatige asemhaling toe en gee suurstof indien nodig
- Velkontak: Was met groot hoeveelhede koue water en seep.

## NOTA AAN GENEESHEER

Indieningesluk kan 'n maagspoeling oorweeg word terwyl die gevaar van produk aspirasie in gedagte gehou word. Daar is nie 'n spesifieke teenmiddel nie. Behandel simptome en gee ondersteunende terapie.

## GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui

## VERENIGBAARHEID

PARSEC® is verenigbaar met die meeste insekdoders en swamdoders wat algemeen gebruik word. Dit is egter belangrik om daarop te let dat spuitmengsels met 'n pH kleiner as 7 'n negatiewe invloed op die doeltreffendheid van PARSEC® 200 EC het. Daarom word dit aanbeveel dat die spuitoplossing se pH > 7 moet wees. Gebruik die spuitmengsel onmiddellik na vermenging en moet dit nooit vir lang periodes of oornag laat staan nie.

## VERMENGING

Vul die spuitenk half met skoon water en verseker dat die pH van die water 7 of meer is. Voeg die benodigde hoeveelheid PARSEC® 200 EC in die water terwyl die mengsel geroer word. Terwyl gedurigdeur geroer word word die tenk met water gevul. Verseker dat roering gehandhaaf word tydens vermenging en toediening.

## TOEDIENINGSMETODES

### GRONDTOEDIENING

PARSEC® 200 EC kan toegedien word deur middel van enige korrek gekalibreerde medium tot hoë volume spuitapparaat mits dit in staat is om die spuitmengsel eweredig oor die teikenoppervlak te versprei en toegerus is met 'n doeltreffende roermeganisme.

### LUGTOEDIENING

PARSEC® 200 EC kan deur middel van lugtoediening toegedien word deur 'n geregistreerde lugbespuitingsoperateur in 'n geregistreeerde, korrek gekalibreerde vliegtuig volgens die instruksies van SABS kode 0118 (Lugtoediening van Landbouchemikalieë) Verseker dat die

sputmengsel eweredig oor die teikengebeid versprei word en dat verlies van sputmengsel tydens besputting tot 'n minimum beperk word. Dit is daarom noodsaaklik dat aan die volgende vereistes voldoen word:

- Sputvolume: 'n Minimum van 30 l sputmengsel / ha word aanbeveel  
Omdat hierdie produk nie met 'n verlaagde toedieningsvolume ge-evalueer is nie, kan die registrasiehouer nie die doeltreffendheid van die produk waarborg of verantwoordelik gehou word vir enige nadelige effek as dit teen 'n laer sputvolume toegedien word as wat hier bo aanbeveel word nie.
- Druppelbedekking: 30 – 40 druppels / cm<sup>2</sup> moet op die teikengebied herwin word.
- Druppelgrootte: 'n Druppelspektrum met 'n VMD van 250 – 280 mikron word aanbeveel. Die vorming van druppels kleiner as 150 mikron (hoë potensiaal vir verdamping en wegdrywing) moet tot 'n minimum beperk word.
- Vlieghoogte: Die hoogte wat gehandhaaf moet word van die sputbalk wat bokant die teiken is 3 – 4 m. Moet nie toedien as die vliegtuig duik, draai of klim nie.
- Atomiserings apparaat: Gebruik geskikte atomiseringsapparaat wat die verlangde druppelspektrum en bedekking sal produseer maar die minimum verlies van die produk tot gevolg sal hê. Die sputsisteem moet 'n druppelspektrum produseer met die kleinste moontlike Relatiewe Span.
- Vlerkpuntvortekse: Posisioneer die atomiseerders in die binneste 60 – 75 % van die vlerkspan om te verhoed dat die druppels die vlerkpuntvortekse binnedring
- Temperatuur: Die verskil in temperatuur tussen die nat- en droëbol termometers van 'n swaaihigometer moet nie 8°C oorskry nie.
- Wind: Staak besputting as windspoed 15 km / u oorskry.
- Ongunstige toestande: Staak besputting onder turbulente, onstabiele en droë toestande gedurende die hitte van die dag
- Inversie toestande: Toediening onder temperatuurinversietoestande (toediening in of bokant die inversielaag) en / of hoë humiditeitstoetande (relatiewe humiditeit 80 % of meer) mag tot die volgende lei:
  - a) Verminderde doeltreffendheid vanwee die suspensie en verdamping van die klein druppeltjies in die lug (swak bedekking)
  - b) Skade aan ander gevoelige gewasse en/of nie-teiken gebiede vanwee die wegdrywing van die sputwolk vanaf die teikengebied
- Verseker dat die sputoperateur presies weet watter lande om te sput
- Verkry die versekering van die sputoperateur dat aan bg. vereistes voldoen sal word en dat die toepaslike data in 'n log boek aangeteken sal word vir toekomstige verwysing.

## VERKENNINGSMETODES VIR ROOISPINNEKOP

Bepaal die rooispinnekoppopulasie indeks deur weeklikse verkennings soos volg:

Ondersoek 48 plante per 15 ha. Kies 3 blare per plant, een in die middel en twee van die boonste gedeelte. Tel die aantal volwasse wyfies op hierdie drie blare en alokeer een van die volgende waardes by die totaal:

0 myt	=	0
1 – 10 myte	=	1
11 – 30 myte	=	2
> 31 myte	=	3

Die populasie indeks word dan bereken deur die waardes van 48 plante bymekaar te tel en die totale som deur 48 te deel. Begin met toediening sodra die populasie indeks 'n waarde van 1 bereik het. Herhaal toediening sodra enige toename in die populasie indeks opgemerk word. Beheer moet daarop gemik wees om die populasie indeks onder die drempelwaarde van 1 te hou.

TOEDIENINGSHOEVEELHEDE:

GEWAS	DOSIS ℓ / ha	OPMERKINGS
KATOEN Rooispinnepkop ( <i>Tetranychus spp</i> )	1,5 ℓ / ha	Begin met toediening sodra die populasie indeks 'n waarde van 0,5 bereik het. Moet nie die bespuiting vertraag tot hoë infestasielvlakke behaal word nie. Herhaal toediening as 'n merkbare verhoging in die populasie voorkom is. Die beheer moet sodanig wees dat die populasie indeks vir 20 weke onder die drempelwaarde gehou word. Verseker 'n deeglike benatting van al die plantdele. Dien tenminste 200 ℓ water / ha toe vir grondtoediening en tenminste 30 ℓ water vir lugtoediening.
SITRUS Sitrus rooimyt ( <i>Panonychus citri</i> )	200 ml / 100 ℓ water	Dien 'n ligte tot 'n medium deктоediening bespuiting toe sodra 2 – 4 myte per blaar opgemerk word en voor ernstige skade aan die blare aangerig word. Ondersoek die boord gereeld en herhaal toediening indien nodig. Moet nie later as 100 % blomblaarval toedien op vrugte wat vir die uitvoermark bestem is nie. Verseker dat residu vereistes op uitvoervrugte nie oorskry word nie. Sal ook Sitrus knopmyt ( <i>Aceria sheldoni</i> ) en Sitrus platmyt ( <i>Brevipalpus spp</i> ) beheer indien teenwoordig tydens toediening vir Sitrus rooimyt.
SIERPLANTE Rooispinnepkop ( <i>Tetranychus spp.</i> )	30 ml / 10 ℓ water	Dien as 'n volle deктоediening toe sodra myte opgemerk word. Verseker deeglike benatting van beide die boonste- en onderste blaaroppervlakke.
TAMATIES Rooispinnepkop ( <i>Tetranychus urticae</i> ) Amerikaanse bolwurm ( <i>Helicoverpa armigera</i> ) Vals landmeter ( <i>Chrysodexis acuta</i> ) Aartappelmot ( <i>Phthorimaea operculella</i> ) Amerikaanse blaarmyner ( <i>Liriomyza trifolii</i> )	300 ml Parsec plus 45 ml Seizer / 100 ℓ water	Gebruik slegs op uitgeplante tamaties. Begin met spuitprogram sodra die eerste teken van plaag opgemerk word. Afhangede van plantgrootte gebruik 500 – 2000 ℓ spuitmengsel per ha. Verseker deeglike benatting van die boonste- en onderste blaaroppervlakke. Hierdie toediening kan net een keer per groeiseisoen toegedien word.

SEIZER 100 EC (Reg No L 7471, Wet 36 van 1947) bevat bifenthrin (Skadelik) is die geregistreerde handelsmerk van Makhteshim-Agan Ltd, Israel