


PARSEC™ 200 EC

Reg. no. L 7912 Act/Wet 36 of/van 1947
N-AR 0867 ,W1301278

READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

GROUP	19	INSECTICIDE
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An emulsifiable concentrate contact and residual acaricide for the control of eggs, larvae and adults of mites on the crops as indicated.	'n Emulsifiseerbare konsentraat kontak en residuele mytdoder vir die beheer van eiers, larwes en volwasse myte in gewasse soos hieronder aangedui.
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 <p>WARNING</p>	<p>Hazard statements Flammable liquid and vapour. Harmful in contact with skin Causes skin irritation. May cause allergic skin reaction. Causes serious eye damage. Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure (liver and central nervous system). Very toxic to aquatic life with long lasting effects.</p> <p>Precautionary statements Use explosion-proof electrical/ventilation/ lighting and other equipment. Wear protective gloves, protective clothing, and eye and face protection</p>
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ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

Amitraz (amidine)..... 200 g/LAmitras (amidien)

NET VOLUME/NETTO VOLUME

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REGISTRATION HOLDER/REGISTRASIEHOUER

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UN no.: 1993

Emergency Numbers:

Griffon Poison Information Centre: +27 82 446 8946
Tygerberg Poison Information Centre: +27 861 555 777

Batch number
Date of Manufacture
Expiry date

Lotnommer
Datum van Vervaardiging
Vervaldatum

WARNINGS

- Flammable liquid and vapour.
- Harmful if in contact with skin.
- Causes skin irritation.
- May cause allergic skin reaction.
- Causes serious eye damage.
- Harmful if inhaled.
- May cause damage to organs through prolonged or repeated exposure (liver & central nervous system).
- Very toxic to aquatic life with long lasting effects.

Withholding periods (Minimum 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, ADAMA South Africa (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.
- Amitraz is slightly toxic to birds but may affect their reproduction.
- Store in a cool, dry place away from food and feed.
- **Re-entry:** Do not enter treated area for 1 day after application unless wearing protective clothing.
- In case of poisoning call a doctor and show him/her this label.
- **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 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

PREVENTION

- Obtain, read and follow all safety instructions before use.
- Wear protective gloves, protective clothing, and eye and face protection.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Ground or bond container and receiving equipment and take action to prevent static discharge.
- Use explosion-proof electrical/ventilation/ lighting/other equipment and non-sparking tools.
- Keep container tightly closed.
- Use only outdoors or in a well-ventilated area.
- Do not breathing dust/fume/gas/mist/vapours/spray.
- Wash hands and face thoroughly after handling. Do not touch eyes.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.

RESPONSE

- If exposed or concerned, get medical advice.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected area/s with plenty of water under the safety shower. If skin irritation occurs: Get medical help.
- Take off contaminated clothing and wash it before use.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- In case of fire, use the available equipment to extinguish the fire.
- Collect the spillage.

STORAGE

- Store locked up in a well-ventilated place. Keep containers tightly closed.

- Do not eat, drink or smoke whilst mixing or applying or before hands and face are washed.
- Prevent contamination of food, feed, eating utensils and drinking water.
- Prevent drift of spray onto other crops, grazing, rivers, dams or other water sources and areas not under treatment.
- Invert the empty container over the spray or mixing 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 in succession* with a volume of water of at least equal to 10 % of that of the container. Add rinsings to the spray tank before destroying the empty container.
- Destroy the empty container by perforating and flattening.
- Never re-use the empty container for any other purpose.

RELEVANT SUBSTANCES

Chemical name	Weight %	CAS no.
Amitraz	20%	33089-61-1
Xylene	30–60%	1330-20-7
Calcium dodecylbenzenesulphonate	<10%	26264-06-02

FIRST AID

Provide this SDS to medical personnel for treatment. Emergency personnel should wear protective clothing appropriate to the type and degree of contamination.

Remove contaminated clothing and remove the affected person from the contamination area. Keep the person warm, calm and comfortable. First Aid personnel should pay attention to their own safety. Take the container label or product name with you when seeking medical attention.

Eye contact: Immediately rinse/flush the eyes gently with water from the eye wash fountain for several minutes (at least 15 minutes), while holding the eyelids apart. Check for and remove contact lenses if easy to do so. Continue rinsing. Obtain medical attention as soon as possible.

Skin contact: Remove all contaminated clothing and shoes. Rinse the skin immediately with plenty of water for 15 to 20 minutes under the safety shower. Wash contaminated clothing before re-use. Obtain medical attention if skin irritation occurs and persists.

Inhalation: Immediately remove the affected victim from exposure to an area with fresh air. Keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion: Obtain medical attention or call a poison control centre for treatment advice. If conscious, rinse mouth thoroughly with water. Never give anything by mouth to an unconscious or convulsing person. Do not induce vomiting unless directed to do so by a medical professional. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomits.

TOXICOLOGICAL INFORMATION

Antidotes

No specific antidote is available. Treat symptomatically and supportively. If large amounts were swallowed, gastric emptying procedures as gastric lavage may be performed, taking great care to avoid pulmonary aspiration due to the risk of chemical pneumonitis. Activated charcoal and saline laxatives may be administered due to probable active ingredients adsorption to activated charcoal.

Symptoms of human poisoning

The product may cause hypotension, brachycardia, hypothermia, ataxia depression and in more serious case, coma. Due to the presence or aromatic solvent, it may occur nausea, vomiting, diarrhoea, chronic headache, dizziness, sedation, and incoordination.

Note: Amitraz is a central nervous system depressor and when there is systemic absorption, it causes capillary vasodilation.



NOTICE TO THE USER: This agricultural remedy is to be used only according to the directions of this label. It is an offense under the Act to use this product inconsistent with the directions on the label.

RESISTANCE WARNING

For the purpose of resistance management, **PARSEC™ 200 EC** is classified as an IRAC group code 19 insecticide. Any insect population may contain individuals naturally resistant to **PARSEC™ 200 EC** and other group code 19 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **PARSEC™ 200 EC** or any other group code 19 insecticide.

To delay insecticide resistance:

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

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

MODE OF ACTION

OCTOPAMINE RECEPTOR AGONISTS

Activate octopamine receptors, leading to hyperexcitation. Octopamine is the insect equivalent of adrenaline, the fight-or-flight neurohormone.

DIRECTIONS FOR USE

Use only as indicated.

Compatibility

PARSEC™ 200 EC is compatible with most of the insecticides and fungicides that are commonly used. However, acid solutions with a pH < 7, will have a negative effect on the efficacy 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 to the required volume while agitating. Ensure that agitation is maintained during mixing and application.

APPLICATION

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 10118 (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:

- Spray 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: 30–40 droplets/cm² 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 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 AND TARGET	DOSAGE	REMARKS
Cotton Red spider mite <i>(Tetranychus spp.)</i>	Ground application: 1.5 L/ha Aerial application:	Commence application as soon as the population index value reached the 0.5 level. Apply in 200 L/ha. 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 for up to 20 weeks after crop emergence. Ensure a thorough coverage of all plant parts. Apply as above in 30 L water/ha.
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 bud mite (<i>Aceria sheldoni</i>) and citrus flat mite (<i>Brevipalpus spp.</i>) if present at time of application for citrus red mite.

CROP AND TARGET	DOSAGE	REMARKS
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>Chrysodeixis acuta</i> Tuber moth <i>Phthorimaea operculella</i> American leafminer <i>Liriomyza trifolii</i>	300 ml PARSEC™ 200 EC plus 45 ml SEIZER® 100 EC /100 L water	Apply only in transplanted tomatoes. Commence application as soon as the first sign of pests is noticed. Depending on plant size apply at 500–2000 L spray mixture/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 product of company of the ADAMA GROUP.