



syngenta.

Reg. No. L9235 Act No. 36 of 1947 N-AR 1120 (Namibia) W1301028 (Botswana)

A suspension concentrate translaminar insecticide/acaricide acting as a stomach and direct contact poison with translaminar action for the control of various pests on crops as listed.



DANGER

Hazard statements: Harmful if swallowed. Fatal if inhaled. Suspected of damaging the unborn child. Causes damage to organs (nervous system) through prolonged or repeated exposure. Very toxic to aquatic life with long-lasting effects. **Precautionary statements:** Keep out of reach of children. **Prevention:** Obtain special instructions before use. Do not breathe dust/fumes/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. **Response:** If inhaled, remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE/doctor. Collect spillage. **Storage:** Store in a well-ventilated area. Keep container tightly closed. Store locked-up. **Disposal:** Dispose of contents/container to an approved waste disposal plant.

In case of poisoning, call the following number
EMERGENCY TEL NO.:
+27 82 446 8946 (Griffon)

UN 3082

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Registration holder
Syngenta South Africa (Pty) Ltd
Co. Reg. No. 1998/013761/07
Private Bag X 60
HALFWAY HOUSE, 1685
Tel.: +27 11 541 4000

GROUP 6 INSECTICIDE

Active Ingredient:
abamectin..... 84 g/l

Product names marked ® or ™, the ALLIANCE FRAME, the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company

1. WARNINGS:

Hazard statements: Harmful if swallowed. Fatal if inhaled. Suspected of damaging the unborn child. Causes damage to organs (nervous system) through prolonged or repeated exposure. Very toxic to aquatic life with long-lasting effects.

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

APPLES.....	14 days
AVOCADO.....	14 days
CELERY.....	7 days
CHIVES.....	7 days
CITRUS.....	15 days
COTTON.....	21 days
CUCURBIT GROUP.....	7 days
FRUITING VEGETABLES.....	7 days
HERBS AND SUBGROUP (Except chives).....	14 days
HOPS.....	28 days
LEAFY VEGETABLES.....	7 days
LEGUME VEGETABLES.....	7 days
MAIZE.....	refer below
MINT.....	28 days
ONIONS.....	30 days
PEARS.....	7 days
POTATOES.....	14 days
SOYBEANS.....	21 days
STONE FRUIT.....	21 days
STRAWBERRIES.....	3 days
TOMATOES.....	3 days
TUBER VEGETABLES.....	14 days
TREE NUTS.....	14 days

NOTE: Compliance with these withholding periods will ensure that residues do not exceed local maximum residue limits (MRL), but the import tolerances of other countries might possibly be exceeded. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, MRL's and recommended withholding periods.

- Do not allow animals to feed on treated foliage.
- Do not allow animals to graze or feed on maize before

grain harvest.

- Do not use in orchards interplanted with other crops.
- Handle with extreme care.
- Poisonous if swallowed, inhaled, or absorbed through the skin.
- May cause eye irritation.
- Toxic to fish and wildlife.
- Toxic to bees exposed to direct spray contact.
- Store locked-up, in a cool place.
- Flammable:** Do not store or use near heat or open flames.
- Keep out of reach of children, uninformed persons and animals.
- Store away from food and feed.
- Unprotected workers must vacate the area being treated.
- In case of poisoning:** Call a doctor and present this label.
- Re-entry:** Do not enter treated area within one (1) day after application unless wearing protective clothing.
- 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 water or adjacent areas. Do not apply to orchards by aerial application.

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 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 people or animals 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, that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

2. PRECAUTIONS:

Precautionary statements: Keep out of reach of children.

PRECAUTIONARY STATEMENTS cont.

Prevention: Obtain special instructions before use. Do not breathe dust/fumes/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. **Response:** If inhaled, remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE/doctor. Collect spillage. **Storage:** Store in a well-ventilated area. Keep container tightly closed. Store locked-up. **Disposal:** Dispose of contents/container to an approved waste disposal plant.

- Wash with soap and water immediately after use.
- Wash contaminated clothing after use.
- Do not eat, drink, or smoke while mixing or applying the product or before washing hands and face.
- Wear suitable protective clothing when mixing.
- Avoid eye and skin contact.
- Do not inhale spray mist.
- Do not spray during periods of high bee activity.
- Avoid excessive drift: Do not treat if wind velocity exceeds 2 meters per second (7 km per hour).
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Rinse the empty container three (3) times with a volume of clean water equal to a minimum of 10% of the container. Add the rinsate to the contents of the spray tank before destroying the empty container in the prescribed manner.
- Do not use empty container for any other purpose.

Symptoms of human poisoning: Possible signs or symptoms of human poisoning initially would be dilation of the pupils, slow breathing and sedation. More severe poisoning may cause lethargy, muscle tremors and convulsions.

First Aid and Medical Treatment

- **Inhalation:** Move patient to a well-ventilated area away from the source of poisoning. Give artificial respiration or closed chest cardiac massage if necessary. Maintain open airway passages.
- **Ingestion: Immediately** give one or two glasses of water and induce vomiting by gently touching back of throat with finger, if patient is conscious.
- **Skin contact:** Remove contaminated clothing and wash contaminated skin area with plenty of soap and water. Do not rub skin hard.
- **Eye contact:** Flush thoroughly with clean water for at least 15 minutes.

Get medical attention in all cases listed above.

- There is no known specific antidote for abamectin acute toxicity. Inducing vomiting immediately after exposure can minimize toxicity following accidental ingestion of the formulation.
- Do not induce vomiting or give anything by mouth, including direct mouth-to-mouth resuscitation, to an unconscious person.

Note to doctor: In case of symptomatic effects, provide supportive treatment, depending on symptomatology to maintain life functions.

3. RELEVANT SUBSTANCES:

Chemical name	
abamectin (combination of avermectin B1a and avermectin B1b) (ISO)	
Cas-no.	Concentration (% w/w)
71751-41-2 606-143-00-0	≥ 5 - < 10

4. RESISTANCE MANAGEMENT:

AGRIMEC GOLD is a group code 6 insecticide. Any insect population may contain individuals naturally resistant to **AGRIMEC GOLD** and other group code 6 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly and exclusively in programs. **AGRIMEC GOLD** or any other group code 6 insecticides may not control these resistant insects.

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 other control methods (chemical, cultural, biological) into insect control programs.

Syngenta cannot accept responsibility for any losses that may result from failure to control pests resistant to AGRIMEC GOLD.

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

5. PRODUCT PROPERTIES:

AGRIMEC GOLD is effective for the control of adult and immature stages of spider mite, citrus thrips and larval stages of leaf miners. **AGRIMEC GOLD** is, in general, slow acting and although mites and leaf miners become immobilised soon after exposure, between 3 and 5 days (depending on ambient temperatures), may be required to achieve maximum mortality. During this period feeding by the pests is very limited and plant damage is minimal.

AGRIMEC GOLD is rapidly absorbed into the plant and under normal conditions resists wash-off provided the spray mixture has been given adequate time to dry off completely. Over-spraying may result in less effective control by causing run-off of **AGRIMEC GOLD** from the leaf surface.

AGRIMEC GOLD can be used as preventative and corrective treatments for spider mite control on cotton, maize and tomatoes. Spray residues have a minimum effect on beneficial natural enemies, including predatory mites, which could extend the residual mite control.

On apples and pears, **AGRIMEC GOLD** is most suited for use in the integrated pest management (IPM) program. At the recommended dose rate some spider mites will survive

which will serve as a food source to encourage build-up of predatory mites.

AGRIMEC GOLD has been shown to not have a detrimental effect on lint quality of cotton.

6. DIRECTIONS FOR USE: Use only as indicated.

AGRIMEC GOLD must be applied using suitable spray equipment that is in good working order and correctly calibrated. Thorough and even coverage of the crop is essential.

6.1 Compatibility

AGRIMEC GOLD has not been tested in all tank mixtures or sequence of pesticide sprays. **AGRIMEC GOLD** may be mixed with molasses for aerial application on cotton.

If tank mixtures with synthetic pyrethroids are applied on cotton, use the lowest recommended pyrethroid dose for weekly protection.

Since all combinations and sequences of sprays used have not been fully evaluated, it is recommended not to tank mix with **AGRIMEC GOLD**.

6.2 General Directions

6.2.1 Aerial application

Aerial application precautions: Aerial application of this product on cotton, cucurbits, legume vegetables, fruiting vegetables, leafy vegetables, maize, mint, onions, soybeans and tuber vegetables 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 Remedies).

It is important to 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:

a) Application parameters:

- **Volume:** A minimum 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 the product is applied aurally at a lower volume rate than recommended above.
- **Droplet coverage:** Droplet coverage of 25 - 30 droplets per cm² must be recovered at the target.
- **Droplet size:** A droplet spectrum with a VMD of 280 - 300 microns is recommended. Ensure that the production of fine droplets (less than 150 microns - high drift and evaporation potential) is restricted to a minimum.
- **Flying height:** The height of the spray boom should be maintained at 3 - 4 meters above the target. Do not spray when aircraft is in a climb, at the top, during a dive, or when banking.

b) Equipment:

- Use suitable atomising equipment (hydraulic nozzles or

rotary atomisers) that will produce the desired droplet size and coverage but which will ensure the minimum loss of product either through endodrift (within target field) or exodrift (outside target field).

- The operator must use a set-up that will produce a droplet spectrum with the lowest possible relative span.
- All nozzles/atomisers should be positioned within the inner 60 - 75% of the wingspan to prevent droplets from entering the wingtip vortices.

c) Meteorological conditions:

- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C. The addition of a suitable anti-evaporant is recommended if the VMD of the droplets is less than 200 - 250 microns.
- Stop spraying if the wind speed exceeds 15 km/h.
- Aerial application of this product must not be done under turbulent, unstable conditions during the heat of the day when rising thermals and downdraughts occur. Also note that the application of this product under temperature inversion conditions (spraying in/or above the inversion layer) 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 the movement of the suspended spray cloud away from the target field.

Obtain assurance from the aerial operator that the above requirements will be met.

6.3 Mixing Instructions

- Half-fill spray tank with clean water.
- Measure out the required quantity of **AGRIMEC GOLD** and premix this with at least 10 ℓ water. (If any other product e.g., light mineral spray oil is to be mixed with **AGRIMEC GOLD** the required volume of that product must be premixed in similar fashion).
- **AGRIMEC GOLD** and oil must be pre-mixed before adding to spray tank.
- Agitate the water in the spray tank and add the premixed product(s) to the tank.
- Fill spray tank with water while maintaining agitation to ensure thorough mixing. Maintain agitation during spraying. Use the prepared mixture immediately. Do not allow to stand overnight. **AGRIMEC GOLD** can be mixed with waters of different pH values and hardness normally encountered in agricultural conditions.

6.4 Application Rates

APPLES AND PEARS

Pest	Dosage
Red Spider Mite (<i>Tetranychus urticae</i>)	7.5 ml plus 250 ml light mineral spray oil/100 ℓ water
European Red Mite (<i>Panonychus ulmi</i>)	(160 - 320 ml/ha + 0.25% spray oil)
Remarks	<ul style="list-style-type: none">• To avoid illegal residues AGRIMEC GOLD must be

APPLES AND PEARS cont.

mixed with a non-ionic activator type spray oil.

- Do not use any other type of adjuvants. When used alone or when other products are applied sequentially, the combination of **AGRIMEC GOLD** with mineral spray oil can injure the fruit of certain apple varieties.
- Apply **AGRIMEC GOLD** when the red spider mite population reaches the economic threshold level. Repeat when necessary.

Economic threshold levels

- Apples:** Two (2) females/leaf up to the end of March and thereafter one (1) female/leaf.
- Pears:** One (1) female/leaf throughout the season.
- Apply as a high-volume (2 150 - 4 300 ℓ/ha) high-pressure, full-cover spray but avoid run-off. If less than 2 150 ℓ spray mixture per hectare is applied, i.e., low-volume, use a minimum of 160 ml **AGRIMEC GOLD** plus 0.25% spray oil per hectare in sufficient water to obtain thorough coverage. Never exceed 320 ml **AGRIMEC GOLD** per hectare per application or 640 ml **AGRIMEC GOLD** per hectare in one growing season.
- Apples:** Apply only to orchards where the IPM program is not maintaining effective control of mites.
- Applying a combination of **AGRIMEC GOLD** and mineral oil fewer than 14 days before or after applying CAPTAN® or other sulfur-containing products can result in phytotoxicity and crop loss.

AVOCADOS

Pest	Dosage
Greenhouse Thrips (<i>Heliethrips haemorrhoidalis</i>)	160 - 320 ml/ha plus 1 - 4% v/v spray oil
Red-banded Thrips (<i>Selenothrips rubrocinctus</i>)	
Remarks	
<ul style="list-style-type: none"> To avoid illegal residues AGRIMEC GOLD must be mixed with 1- 4% v/v of a non-ionic activator type spray oil. For best results, apply AGRIMEC GOLD when immature thrips are first observed but before numbers exceed five (5) immature thrips per leaf/fruit. Apply 160 - 240 ml/ha AGRIMEC GOLD for low to moderate infestations and 240 - 320 ml/ha for severe infestations. Ground application: If spray volume is more than 4 000 ℓ/ha apply AGRIMEC GOLD at a rate of 40 ℓ/ha per 1 000 ℓ water plus 1 - 4% oil (not a dormant oil) approved for use on avocados. Do not apply in less than 1 000 ℓ water. Do not make more than two (2) applications of AGRIMEC GOLD per season and wait at least 30 days before repeating application. Do not use more than 320 ml/ha for an application. Do not use more than 640 ml/ha AGRIMEC GOLD per growing season. 	

CELERY

Pest	Dosage
Red Spider Mite (<i>Tetranychus urticae</i>)	260 ml/ha
Remarks	
<ul style="list-style-type: none"> To avoid illegal residues AGRIMEC GOLD must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants. Apply AGRIMEC GOLD with first sign of mites. Do not apply in less than 200 ℓ/ha water. Wait seven (7) days before repeating application and do not make more than two (2) sequential applications AGRIMEC GOLD per season. After transplanting celery, do not apply more than 750 ml/ha AGRIMEC GOLD per season. 	

CITRUS

Pest	Dosage
Citrus Thrips (<i>Scirtothrips aurantii</i>)	2.2 - 4.3 ml plus 300 ml light or medium grade narrow distillation range mineral spray oil/100 ℓ water
Broad Mite (<i>Polyhagotarsonemus latus</i>)	
Leafminer (<i>Phyllocnistis citrella</i>)	
Red Spider Mite (<i>Tetranychus urticae</i>)	
Lowveld Mite (<i>Eutetranychus orientalis</i>)	
Remarks	
<ul style="list-style-type: none"> Mites: Apply with the first sign of mites. Leafminer: Apply to protect new growth. Thrips: Apply AGRIMEC GOLD at first sign of thrips presence. Use higher dose rate where climatic conditions are favourable for thrips infestation. Apply as a film wet light-cover spray but avoid run-off. Repeat when necessary. No more than three (3) applications or two (2) consecutive applications should be applied per season. AGRIMEC GOLD should be alternated with other thrips remedies to retard development of resistance. AGRIMEC GOLD is most effective when ingested and maximum efficacy may only occur 3 - 4 days after treatment. For this reason AGRIMEC GOLD should not be used for the control of high numbers of citrus thrips where a knockdown treatment is required. Applications should therefore be made at first sign of thrips presence. Apply AGRIMEC GOLD with a minimum of 0.20% oil (not dormant oil) in the spray mixture. Do not apply more than three (3) applications in any growing season and wait at least 30 days before repeating application. 	

COTTON

Pest	Dosage
Red Spider Mite (<i>Tetranychus urticae</i>)	65 - 130 ml/ha

COTTON cont.

Remarks

- **AGRIMEC GOLD** can be used as a preventative or corrective control measure.
- Ensure thorough coverage of the plants. Repeat application as required to maintain the mite population below the economic threshold level.
- **Ground application:** Apply in 100 - 200 ℓ water/ha. Do not use less than 65 ml/ha of **AGRIMEC GOLD**.
- **Aerial application:** Apply in 30 ℓ water/ha. Do not use less than 65 ml/ha of **AGRIMEC GOLD**.

Red Spider Mite
(*Tetranychus urticae*)

65 ml/100 ℓ water
(0.7 - 1.3 ml/100 m row)

Remarks

“Tramline” application

- Apply 50 - 100 ℓ/ha of spray mixture to dry land cotton depending on plant size.
- Do not use less than 0.7 ml per 100 m row.
- Position at least five (5) hollow-cone nozzles of suitable size over the tramlines. One nozzle must spray over the top of each row. One nozzle must spray between the two rows and two nozzles should be positioned to point 45 degrees upwards, mounted on drop-arms on the outside of each of the two rows.

Preventative control measure

- Apply **AGRIMEC GOLD** at 65 ml/ha when the spider mite population index shows a sudden increase from one (1) week to the next but before the economic threshold level is reached for a given growth stage of the crop based on weekly scouting results.

Red spider mite scouting techniques for cotton

- Inspect 48 cotton plants at random in fields up to 15 hectare in extent every week from the third week after germination until first boll split (+ week 20).
- Sample 3 leaves from each plant - 2 leaves from the top and 1 leaf from the middle and note the total number of adult female mites present on the sampled leaves.

Determine the spider mite population index per plant as follows:

Total number of female mites/3 leaves/plant	Spider mite population index
0	0
1 - 10	1
11 - 30	2
30 +	3

- Calculate the average index value per field by adding the 48 individual index values and dividing by 48.
- Apply **AGRIMEC GOLD** as recommended depending on scouting results for a given growth stage of the cotton crop.

Economic threshold levels

Weeks after germination	3 - 10	12	14	16	18	20
Spider mite population index	0.5	0.8	1.1	1.4	1.7	2.0

COTTON cont.

Corrective control measure

Apply **AGRIMEC GOLD** at 65 ml/ha when the economic threshold level of the spider mite population has been reached or exceeded for a given stage of the crop based on weekly scouting results.

Emergency control measure

- Apply **AGRIMEC GOLD** at 130 ml/ha under conditions of very severe mite infestations and when climatic conditions favour the rapid increase of mite populations (very hot and dry weather).
- The application of **AGRIMEC GOLD** at 130 ml/ha near harvest may delay the normal plant defoliation caused by mites.

CUCURBIT GROUP

(Includes gherkins, cucumbers, muskmelon, melon, spanspek, pumpkin, squash, baby marrow, butternut squash and watermelon)

Pest	Dosage
Leafminers (<i>Liriomyza</i> spp.)	130 - 260 ml/ha
Spider Mites (<i>Tetranychus</i> spp.)	

Remarks

- To avoid illegal residues **AGRIMEC GOLD** must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants.
- Use 130 - 180 ml/ha **AGRIMEC GOLD** for low to moderate infestations and 260 ml/ha for severe infestations.
- Apply **AGRIMEC GOLD** with the first sign of mites and when first adult leafminers fly.
- **Aerial application:** Apply with 30 - 40 ℓ water/ha.
- **Ground application:** Do not apply with less than 200 ℓ water/ha.
- Do not apply more than 260 ml/ha per application.
- Do not make more than two (2) sequential applications of **AGRIMEC GOLD** or other similar product. Wait at least seven (7) days before repeating application.
- Do not apply more than 750 ml/ha **AGRIMEC GOLD** per growing season.

FLOWERS, ORNAMENTALS AND CHRYSANTHEMUMS

Pest	Dosage
FLOWER & ORNAMENTALS Red Spider Mite (<i>Tetranychus</i> spp.)	6 ml/100 ℓ water (120 - 320 ml/ha)
CHRYSANTHEMUMS American Leafminer (<i>Liriomyza trifolii</i>)	

Remarks

- Apply **AGRIMEC GOLD** at first signs of infestation as a high-volume, high-pressure, full-cover spray to point of run-off using a minimum of 2 250 ℓ spray mixture per hectare. If less than 2 250 ℓ of spray mixture is applied

FLOWERS, ORNAMENTALS AND CHRYSANTHEMUMS

cont.

(i.e., when spraying young plants) a minimum of 120 ml **AGRIMEC GOLD** per hectare must be applied in sufficient water to provide a full-cover spray.

- NEVER exceed 320 ml **AGRIMEC GOLD** per hectare. Ensure that all foliage surfaces are thoroughly wetted by the spray to point of run-off.
- **Spider mites:** Repeat application as necessary.
- **American leafminer:** Repeat application every seven (7) days or as needed to maintain control.

FRUITING VEGETABLES

(Includes peppers and eggplant)

Pest	Dosage
Broad Mite (<i>Polyhagotarsonemus latus</i>)	130 - 260 ml/ha
Leafminers (<i>Liriomyza</i> spp.)	
Red Spider Mite (<i>Tetranychus urticae</i>)	
Remarks	
<ul style="list-style-type: none">• To avoid illegal residues AGRIMEC GOLD must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants.• Broad- and spider mites: Apply AGRIMEC GOLD with first sign of mites.• Leafminers: Use 130 ml/ha AGRIMEC GOLD for low to moderate infestations and 260 ml/ha for severe infestations.• Aerial application: Apply with 30 - 40 l water/ha.• Ground application: Do not apply with less than 200 l water/ha.• Do not apply more than 260 ml/ha AGRIMEC GOLD per application.• Do not make more than two (2) sequential applications of AGRIMEC GOLD or other similar product. Wait at least seven days before repeating application.• Do not apply more than 750 ml/ha AGRIMEC GOLD per growing season.	

HERB CROP SUBGROUP

(Includes chives, coriander, lavender, rosemary and parsley)

Pest	Dosage
Leafminers (<i>Liriomyza</i> spp.)	130 - 260 ml/ha
Red Spider Mite (<i>Tetranychus urticae</i>)	
Remarks	
<ul style="list-style-type: none">• To avoid illegal residues AGRIMEC GOLD must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants.• Use 130 - 180 ml/ha AGRIMEC GOLD for low to moderate infestations and 260 ml/ha for severe infestations. Apply AGRIMEC GOLD when adult leafminers fly or when spider mites are visible, and repeat application, as necessary to maintain control.• AGRIMEC GOLD may be used without a wetting	

HERB CROP SUBGROUP cont.

agent. To improve wetting of foliage a non-ionic surfactant is recommended for all crops in the herb crop subgroup, except **chives**.

- **AGRIMEC GOLD** has been tested in combination with a non-ionic surfactant for safety to herbs, but not on all herbs and under different conditions that may cause crop injury. Therefore, it is important to follow the DIRECTIONS FOR USE and PRECAUTIONS on the non-ionic surfactant label.
- Apply with a minimum of 200 l water/ha.
- Do not apply more than 260 ml/ha **AGRIMEC GOLD** per application. Do not make more than two (2) sequential applications of **AGRIMEC GOLD** or other similar product. Wait at least seven (7) days before repeating application.
- Do not apply more than 750 ml/ha **AGRIMEC GOLD** per growing season.

HOPS

Pest	Dosage
Red Spider Mite (<i>Tetranychus urticae</i>)	220 ml/ha
Remarks	
<ul style="list-style-type: none">• To avoid illegal residues AGRIMEC GOLD must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants.• Apply AGRIMEC GOLD when mites reach treatment thresholds. Spray in 1 000 - 2 000 l water/ha, depending on crop size. Do not apply more than 220 ml/ha AGRIMEC GOLD per application. If a second application is necessary to maintain control, wait at least 21 days before application and repeat application with alternative miticide with another mode of action.• Do not apply more than 440 ml/ha AGRIMEC GOLD per growing season.• AGRIMEC GOLD may be used without a wetting agent. To improve wetting of foliage a non-ionic surfactant is recommended.	

LEAFY VEGETABLES

(Includes celery, fennel, lettuce, parsley, rhubarb and spinach)

Pest	Dosage
Carmine Spider Mite (<i>Tetranychus cinnabarinus</i>)	130 - 260 ml/ha plus a non-ionic surfactant
Leafminers (<i>Liriomyza</i> spp.)	
Red Spider Mite (<i>Tetranychus urticae</i>)	
Remarks	
<ul style="list-style-type: none">• To avoid illegal residues, AGRIMEC GOLD must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants.• Use 130 - 180 ml/ha AGRIMEC GOLD for low to moderate infestations and 260 ml/ha for severe infestations.• Spider mites: Apply AGRIMEC GOLD when mites first appear.• Leafminers: Apply AGRIMEC GOLD when adult flies are first observed.	

LEAFY VEGETABLES cont.

- **Do not** use on leafy vegetables grown for transplanting.
- **Aerial application:** Apply with 30 - 40 ℓ water/ha.
- **Ground application:** Do not apply in less than 200 ℓ water/ha.
- Do not apply more than 260 ml/ha **AGRIMEC GOLD** per application.
- Do not make more than two (2) sequential applications of **AGRIMEC GOLD** or other similar product. Wait at least seven (7) days before repeating application.
- Do not apply more than 750 ml/ha **AGRIMEC GOLD** per growing season.

LEGUME VEGETABLES

(Includes peas, green beans, dry beans, lentils and chickpeas)

Pest	Dosage
Leafminers (<i>Liriomyza</i> spp.)	130 - 260 ml/ha
Red Spider Mite (<i>Tetranychus urticae</i>)	
Thrips (<i>Thrips tabaci</i>)	
Remarks	
<ul style="list-style-type: none"> • To avoid illegal residues AGRIMEC GOLD must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants. • Use 130 - 180 ml/ha AGRIMEC GOLD for low to moderate infestations and 260 ml/ha for severe infestations. Apply AGRIMEC GOLD with the first sign of mites and when first adult leafminers fly. • Aerial application: Apply with 30 - 40 ℓ water/ha. • Ground application: Do not apply with less than 100 ℓ water/ha. • Do not apply more than 260 ml/ha AGRIMEC GOLD per application. • Do not make more than two (2) sequential applications of AGRIMEC GOLD or other similar product. Wait at least six (6) days before repeating application. • Do not apply more than 750 ml/ha AGRIMEC GOLD per growing season. 	

MAIZE

Pest	Dosage
Red Spider Mite (<i>Tetranychus urticae</i>)	160 ml/ha plus 100 ml/ha COMPLEMENT SUPER, or 0.25% light or medium grade mineral oil
Remarks	
<ul style="list-style-type: none"> • AGRIMEC GOLD can be used preventatively or correctively. • Apply AGRIMEC GOLD as a high-pressure, full-cover spray to wet the underside of the leaves. • Apply at first signs of infestation or as soon as the maize has canopied (approximately five (5) weeks after emergence). • Follow-up at 10 days before tassle emergence (approximately 60 days after emergence). 	

MAIZE cont.

- Ground or aerial application is recommended and not centre pivot application.

MINT

Pest	Dosage
Red Spider Mite (<i>Tetranychus urticae</i>)	130 - 260 ml/ha
Remarks	
<ul style="list-style-type: none"> • To avoid illegal residues AGRIMEC GOLD must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants. • Treat when mites first appear. • Aerial application: Apply with 30 - 40 ℓ water/ha. • Ground application: Do not apply with less than 200 ℓ water/ha. • Do not apply more than 260 ml/ha AGRIMEC GOLD per application. • Do not make more than two (2) sequential applications of AGRIMEC GOLD or other similar product. Wait at least seven (7) days before repeating application. • Do not apply more than 540 ml/ha AGRIMEC GOLD per growing season. 	

ONIONS

Pest	Dosage
Leafminers (<i>Liriomyza</i> spp.)	130 - 260 ml/ha
Thrips (<i>Thrips tabaci</i>)	
Remarks	
<ul style="list-style-type: none"> • To avoid illegal residues AGRIMEC GOLD must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants. • Use 130 - 180 ml/ha AGRIMEC GOLD for low to moderate infestations and 260 ml/ha for severe infestations. • Leafminers: Apply AGRIMEC GOLD when adult flies are first observed. • Thrips: Apply when thrips reach the economic threshold level. Do not use AGRIMEC GOLD as a rescue treatment for thrips control. • Aerial application: Apply with 30 - 40 ℓ water/ha. • Ground application: Do not apply with less than 200 ℓ water/ha. • Do not apply more than 260 ml/ha AGRIMEC GOLD per application. • Do not make more than two (2) sequential applications of AGRIMEC GOLD or other similar product. Wait at least seven (7) days before repeating application. • Do not apply more than 750 ml/ha AGRIMEC GOLD per growing season. 	

POTATOES

Pest	Dosage
Leafminers (<i>Liriomyza</i> spp.)	108 ml/ha plus not more than 500 ml/ha

POTATOES cont.

Pest	Dosage
	medium grade mineral oil, or 2 ℓ/ha light paraffinic oil
Remarks <ul style="list-style-type: none"> Apply AGRIMEC GOLD at first signs of infestations (20 - 30 days after crop emergence) as a high-volume, high-pressure, full-cover spray to point of run-off, using up to 600 ℓ spray mixture per hectare. When spraying young plants, a minimum of 65 ml of AGRIMEC GOLD per hectare must be applied in sufficient water (300 ℓ/ha) to provide a full-cover spray. Ensure that all foliage surfaces are thoroughly wetted by the spray to point of run-off. Apply in a spray program with recognised leafminer products such as PATRON® 75 WP (L3035). Apply at least two (2) successive AGRIMEC GOLD sprays at 7-day intervals. Do not make more than five (5) applications per season. 	

SOYBEANS

Pest	Dosage
Red Spider Mite (<i>Tetranychus urticae</i>)	105 - 215 ml/ha plus 100 ml/ha COMPLEMENT SUPER
Remarks <ul style="list-style-type: none"> DO NOT use mineral oil as an adjuvant. AGRIMEC GOLD can be used as a preventative or corrective control measure. Ensure thorough coverage of the plants. Repeat application as required to maintain the mite population below the economic threshold level. Aerial application: Apply in 30 ℓ water/ha. Ground application: Apply in 200 - 250 ℓ water/ha. 	

STONE FRUIT

(Includes apricots, cherries, nectarines, peaches and plums)

Pest	Dosage
European Red Mite (<i>Panonychus ulmi</i>) Red Spider Mite (<i>Tetranychus urticae</i>)	130 - 320 ml/ha plus non-ionic activator type spray oil (0.25%)
Remarks <ul style="list-style-type: none"> To avoid illegal residues AGRIMEC GOLD must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants. Apply when mites first appear. Apply AGRIMEC GOLD in combination with light mineral spray oil. AGRIMEC GOLD has been tested in combination with a non-ionic surfactant for safety to stone fruit, but not on all stone fruit varieties and under different conditions that may cause crop injury. Therefore, it is important to follow the DIRECTIONS FOR USE and PRECAUTIONS on the non-ionic surfactant label. 	

STONE FRUIT cont.

<ul style="list-style-type: none"> Do not apply AGRIMEC GOLD with less than 375 ℓ water/ha. Do not apply more than 320 ml/ha AGRIMEC GOLD per application. Do not make more than two (2) sequential applications of AGRIMEC GOLD or other similar product. If a second application is necessary for control, wait at least 21 days before the application is repeated. Do not apply more than 640 ml/ha AGRIMEC GOLD per growing season.
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STRAWBERRIES

Pest	Dosage
Red Spider Mite (<i>Tetranychus urticae</i>)	260 ml/ha
Remarks <ul style="list-style-type: none"> Apply AGRIMEC GOLD as a high-volume, high-pressure, and full-cover spray at first signs of infestation. Initially apply two (2) sprays 7 - 10 days apart. Repeat as necessary. AGRIMEC GOLD must be applied in a minimum of 500 ℓ water per hectare to control red spider mite. Thorough coverage of all plant surfaces is essential (top- and undersides of leaves). Never exceed 1 030 ml AGRIMEC GOLD per hectare per growing season. 	

TOMATOES

Pest	Dosage
Red Spider Mite (<i>Tetranychus urticae</i>) American leafminer (<i>Liriomyza trifolii</i>)	13 ml/100 ℓ water
Remarks <ul style="list-style-type: none"> Apply AGRIMEC GOLD at first signs of infestations as a high-volume, high-pressure, full-cover spray to point of run-off, using up to 2 000 ℓ spray mixture per hectare. If less than 500 ℓ of spray mixture is applied (i.e., when spraying young plants) a minimum of 65 ml of AGRIMEC GOLD per hectare must be applied in sufficient water to provide a full cover spray. NEVER exceed 260 ml of AGRIMEC GOLD per hectare. Ensure that all foliage surfaces are thoroughly wetted by the spray to point of run-off. Repeat application at 7-day intervals, if necessary. Apply a maximum of three (3) applications per season. Variable control may occur of red spider mites or leafminers. 	

TREE NUTS

(Includes almonds, macadamias and pecans)

Pest	Dosage
European Red Mite (<i>Panonychus ulmi</i>) Red Spider Mite (<i>Tetranychus urticae</i>)	130 - 320 ml/ha plus light mineral spray oil (0.25%)

TREE NUTS cont.

Remarks

- To avoid illegal residues **AGRIMEC GOLD** must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants.
- Apply **AGRIMEC GOLD** when mites first appear.
- Do not apply with less than 375 ℓ water/ha.
- Do not apply more than 320 mℓ/ha **AGRIMEC GOLD** per application. If a second application is necessary wait at least 21 days before repeating application.
- Do not apply more than 640 mℓ/ha **AGRIMEC GOLD** per growing season.

TUBER VEGETABLES

(Includes cassava, artichokes, ginger and sweet potato)

Pest	Dosage
Leafminers (<i>Liriomyza</i> spp.)	130 - 260 mℓ/ha
Red Spider Mite (<i>Tetranychus urticae</i>)	
Remarks	
<ul style="list-style-type: none">• To avoid illegal residues AGRIMEC GOLD must be mixed with a non-ionic activator type spray oil. Do not use any other type of adjuvants.• Use 130 - 180 mℓ/ha AGRIMEC GOLD for low to moderate infestations and 260 mℓ/ha for severe per infestation.• Leafminers: Apply AGRIMEC GOLD when adult flies are first observed.• Red spider mites: Apply AGRIMEC GOLD when mites first appear.• Insect and spider mite control can be reduced if AGRIMEC GOLD is used in combination with a sticker or binder type product such as Bravo® (L7005).• Aerial application: Apply with 30 - 40 ℓ water/ha.• Ground application: Do not apply with less than 200 ℓ water/ha.• Do not apply more than 260 mℓ/ha AGRIMEC GOLD per application.• Do not make more than two (2) sequential applications of AGRIMEC GOLD or other similar product. If a second application is necessary for control, wait at least seven days before the application is repeated.• Do not apply more than 750 mℓ/ha AGRIMEC GOLD per growing season for leafminers and 540 mℓ/ha for red spider mites.	

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