

# POISON

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# GENFARM ABAMECTIN 18EC

## INSECTICIDE / MITICIDE

ACTIVE CONSTITUENT: 18 g/L ABAMECTIN  
SOLVENT: 481g/L LIQUID HYDROCARBON  
CO-SOLVENT: 150 g/L DIETHYLENE GLYCOL MONOBUTYL ETHER  
CO-SOLVENT: 100g/L N-METHYL-2-PYRROLIDONE

GROUP **GA** INSECTICIDE

For the control Native Budworm on cotton and for the control of certain mites on a wide range of crops and ornamentals as specified in the Directions For Use Table.

IMPORTANT: READ THIS LEAFLET BEFORE OPENING OR USING THIS PRODUCT

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**DIRECTIONS FOR USE:****RESTRAINTS:**

DO NOT use if rainfall is expected before spray has dried as reduced efficacy may result.

DO NOT overhead irrigate within 24 hours after application.

| SITUATION                                      | PEST   | RATE   | WHP  |
|--|--|--|--|
| <b>Adzuki beans, mung beans and navy beans</b> | Two spotted mite ( <i>Tetranychus urticae</i> )<br>Bean or onion thrips ( <i>Thrips tabaci</i> ) | 300 mL/ha  | Harvest – 4 weeks<br>Grazing – 4 weeks   |
| <b>Apples, Pears</b>                           | Two Spotted Mite ( <i>Tetranychus urticae</i> ),<br>European Red Mite ( <i>Panonychus ulmi</i> ) | 750mL/ha plus 5L/ha summer oil<br>(See General Instructions for mixing rates.) | Harvest – 14 days<br>Grazing – 14 days   |
| <b>Avocados</b>                                | Tea Red Spider Mite ( <i>Oligonychus coffeae</i> )   | 37.5 mL/100 L water with 500 mL Summer Oil per 100 L water                     | Harvest – 14 days<br>Grazing – do not graze or cut treated area for stock food |

**CRITICAL COMMENTS**

Monitor crops regularly and apply as soon as threshold mite or thrips numbers have been reached. Best results will be achieved when spray is applied to low mite or thrips populations. Application to high populations may not give satisfactory control. Thorough coverage of foliage is essential. For aerial spraying, apply in a minimum water volume of 20 L/ha. Preferably use aircraft fitted with Micronair equipment using settings to produce a medium droplet size. For ground application, apply using a boom spray with inter-row droppers in a minimum water volume of 100 L/ha. Apply a maximum two (2) foliar applications per crop, with a minimum re-treatment interval of 7 – 10 days between applications.

Apply as dilute or concentrated sprays but in no less than 1000L/ha. Good coverage is essential. Use a high quality summer spraying oil and follow label instructions. For best results apply soon after mite numbers have reached the threshold for your area. Generally Genfarm Abamectin 18EC Insecticide/Miticide takes about 7 days to reach maximum mite control. Genfarm Abamectin 18EC Insecticide/ Miticide will control moderate to high mite populations but, in the absence of predatory mites (see integrated Pest Management below), re-treatment with another miticide may be necessary. If re-treatment is required, use an approved miticide from a different chemical group. Refer to notes on resistance and crop safety under General Instructions section of this leaflet.

**Integrated Pest Control:** The effects of Genfarm Abamectin 18EC Insecticide/Miticide parasitic wasps and other beneficial insects in Australian orchards are not fully known. Studies have shown that after application of Genfarm Abamectin 18EC Insecticide /Miticide, predatory mite populations may not increase for a number of weeks, due to a lack of suitable pest mite prey. Predatory mite numbers will increase with any increase in pest mite numbers allowing the continuation of biological mite control. DO NOT use in IPM programs unless the pest mite threshold has been reached and predators are unlikely to achieve effective control.

Apply at the first signs of infection and before severe infestation. For good control apply in early spring. Apply by foliar application with ground equipment only (air-blast or equivalent). Spray in sufficient volume to ensure thorough coverage. Apply in the range of 1000 –1500L/ha. Do not apply more than 2 applications per crop. Applications should be applied 14 - 28 days apart. Apply in accordance with the Resistance Management Strategy. To avoid resistance build up, the product should be rotated with other approved miticides and insecticides from different chemical groups.

| SITUATION  | PEST  | RATE  | WHP                     |
|--|---|---|-------------------------|
| <b>Blackcurrants</b>                             | Two spotted mite<br>( <i>Tetranychus urticae</i> )  | 300 or 450 mL/ha<br>or<br>60-90 mL/100 L  | Harvest<br>– 21<br>days |
| <b>Blackberries and Raspberries</b>              |   |   | Harvest<br>– 7<br>days  |
| <b>Blackberries, Raspberries and Blueberries</b> | Queensland fruit fly (QFF)<br>( <i>Bactrocera tryoni</i> )  | <b>Spot treatment:</b><br>To prepare diluent, add 25 mL product/100 L, plus yeast autolysate.<br><br>To be applied at 125 spots/ha, with 20 mL diluent applied per spot.<br><br><b>Strip Spray Treatment:</b><br>To prepare diluent, add 25 mL product/100 L, plus yeast autolysate.<br><br>To be applied at 15 L diluent/ha. |                         |
| <b>Citrus</b>                                    | Brown Citrus Rust Mite<br>( <i>Tegolophus australis</i> ),<br>Citrus Rust Mite<br>( <i>Phyllocoptera oleivora</i> ),<br>Broad Mite<br>( <i>Polyhagotarsonemus latus</i> ) | 12mL - 25mL/100L plus<br>250mL/100L summer oil  | Harvest<br>– 7<br>days  |

| CRITICAL COMMENTS  |
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| Apply using spray volume of 1000L/ha. Spray to point of runoff. DO NOT exceed 1200L/ha. When applying 60-90mL/100L application, DO NOT exceed 500L/ha spray volume. DO NOT apply more than one application per season. Apply when mites appear before numbers exceed 3 mites / leaf. Apply using high volume ground spray application using an air blast sprayer. DO NOT use in an IPM program unless the pest mite threshold has been reached and predatory mites are unlikely to provide effective control.  |
| Apply using ground application equipment (boom spray/knapsack) to the point of runoff. Ensure thorough coverage by increasing water volume in accordance with crop growth. Thorough coverage and penetration into bushes is essential. When applying 60-90mL/100L application, DO NOT exceed 500L/ha spray volume. DO NOT use more than 2 applications per crop, with a minimum retreatment interval of 28 days between consecutive applications. Apply in accordance with the Two-Spotted Mite Resistance Management Strategy.  |
| Apply with ground equipment (spray gun, knapsack sprayer, or equivalent) only. Direct spray towards the base of bushes where fruit bearing is sparse. Apply on a weekly basis starting from a month prior to harvest (i.e. green berry stage) through to the end of the berry harvest. Add yeast autolysate as an attractant at the recommended label rate. Allow approximately 7 days between consecutive spray applications. DO NOT make more than 12 applications to any fruit crop in any one season. DO NOT apply when conditions are unsuitable for water based sprays (i.e. high temperatures, strong winds, inversion conditions, imminent rain). Apply no more than four (4) sequential spray applications of abamectin before switching to another registered fruit fly insecticide from another chemical group for at least two (2) applications. Abamectin only has contact residual activity against QFF (i.e. has no systemic action). |
| Apply as pest pressure indicates as a dilute spray in 3000 to 6000L of water/ha. Use the higher rate under conditions of high pest pressure. Make no more than one application per season.   |

| SITUATION   | PEST  | RATE  | WHP  |
|---|---|---|--|
| <b>Citrus (continued)</b>                                 | Queensland fruit fly (QFF)  | 25 mL/100 L   | Harvest – 7 days                           |
| <b>Citrus (bare rooted and potted nursery stock only)</b> | Citrus red mite   | 25 mL/100 L<br>Plus either: 30mL clofentezine (500 g/L) product/100 L or 5 mL amitraz (200 g/L) product/100 L |  |
| <b>Cotton</b>   | Two Spotted Mite ( <i>Tetranychus urticae</i> ),<br>Carmine mite ( <i>Tetranychus cinnabarinus</i> )    | 300mL/ha  | Harvest – 20 days<br><br>Grazing – 20 days |
|   | Native budworm ( <i>Helicoverpa punctigera</i> )  | 300mL/ha<br>or<br>600mL/ha  |  |
| <b>Cucumber, squash and zucchini</b>                      | Two spotted mite ( <i>Tetranychus urticae</i> )   | 300 - 450 mL/ha   | Harvest – 3 days<br>Grazing – 3 days       |
| <b>Spring onions and shallots (field only)</b>            |   |   | Harvest – 3 days                           |
| <b>Snow peas and sugar snap peas</b>                      | Two spotted mite ( <i>Tetranychus urticae</i> )<br>Tomato Red Spider Mite ( <i>Tetranychus evansi</i> ) |   | Harvest – 1 days<br>Grazing – 2 days       |
| <b>Sweet corn (field only)</b>                            |   |   | Harvest – 21 days<br>Grazing – 21 days     |

| CRITICAL COMMENTS   |
|---|
| Apply in a spray volume of 15 – 20 L/ha in combination with suitable protein based lure product. Apply treatment when fruit fly activity is initially observed, as determined by regular monitoring and fruit fly trapping. Apply as a coarse spray in a 1 m wide band spray to tree skirt using a spray gun, knapsack sprayer or equivalent. Apply to one side of every row or every second row of trees. Apply a maximum of 6 applications in a season with a minimum retreatment interval of 7 days. Abamectin should be used in conjunction with other registered QFF control methods.  |
| Apply as a two minute dip for budwood and thoroughly treat with a drenching spray or dip to all the above ground parts of bare-rooted or potted plants.   |
| DO NOT make more than two applications to cotton per season, regardless of pest being controlled. Apply by ground spraying equipment or fixed wing aircraft in a minimum volume of 20L/ha. Good coverage is essential. Monitor crops regularly and apply as soon as the threshold mite number for your area has been reached. Best results will be obtained when applied to low mite populations. Applications to high populations may not give satisfactory control. Under these conditions a second miticide application 7-10 days later may be needed. DO NOT use more than twice in one season for mite control. Refer to notes on resistance under general instructions section of this leaflet. |
| Use only when Lepton test kit results indicate no greater than 10% <i>Helicoverpa armigera</i> are present. Use the higher rate alone or the lower rate with a suitable mixing partner. Applications should be targeted at brown eggs and newly emerged larvae (neonates). Mixed size larval populations should be avoided. DO NOT use more than twice in one season for native budworm control. DO NOT make more than two applications to cotton per season, regardless of pest being controlled.  |
| Apply with a properly calibrated boom sprayer (or equivalent) in sufficient volume to penetrate the plant canopy and evenly cover the plant surfaces. Apply before pest populations reach economic damaging levels. Re-apply if monitoring shows moderate numbers of pest mites re-infest plants. Allow at least 28 days between applications. Do not apply more than 2 applications per crop. Abamectin should not be applied in two consecutive seasons without a chemical from a different MOA group being used in between.  |

| SITUATION   | PEST  | RATE  | WHP  |
|---|---|---|--|
| <b>Fruiting vegetables other than cucurbits. Including tomatoes, peppers (sweet and chilli), and eggplant</b> | Two Spotted Mite ( <i>Tetranychus urticae</i> )<br>Tomato Red Spider Mite ( <i>Tetranychus evansi</i> ) | 300 – 450 mL/ha (high volume spraying 60 mL/100 L or 90 mL/100 L) | Harvest – 3 days<br>Grazing – 3 days   |
|   | Tomato Russet Mite ( <i>Aculops lycopersici</i> )   |   |  |
|   | Tomato Potato Psyllid ( <i>Bactericera cockerelli</i> )   | 450 mL/ha plus 500 mL summer spray oil (or 90 mL/100L)            |  |
|   | Tobacco Leafminer (Potato Moth) ( <i>Phthorimaea operculella</i> )                                      | 600 mL/ha (for high volume spraying use 120 ml /100 L)            |  |
| <b>Custard apple</b>  | Two Spotted Mite ( <i>Tetranychus urticae</i> )<br>Banana spotted mite ( <i>Tetranychus lambi</i> )     | 60 – 90 mL/100L or 300 – 450 mL/ha                                | Harvest – 14 days<br>Grazing – do not graze or cut treated area for stock food |
| <b>Cut flowers</b>  | Tomato Potato Psyllid ( <i>Bactericera cockerelli</i> )   | 90 mL/100 L water or 450 mL/ha                                    |  |

| CRITICAL COMMENTS  |
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| Thorough coverage and penetration into the plant canopy is essential. Preferably apply before the build-up of mite numbers. Use higher rate in situations of greater pest pressure (in tomatoes this is when mite numbers exceed 5-6 mites per compound leaf). Re-apply when pest numbers indicate. For staked/trellised tomatoes use high volume spraying. For non-trellised/staked tomatoes use droppers to direct the spray onto plants and away from the inter-row. Alternate with other chemical groups. Allow at least 28 days between applications. Do not use more than 2 applications per crop. Do not apply more than 2 consecutive sprays before changing to an approved insecticide from a different chemical group. Refer to notes on resistance under General Instructions section of label. |
| Apply as for Two Spotted Mite. The lower rate will control Tomato Russet Mite not apparent at spraying. Use the higher rate when Tomato Russet Mite is present at spraying or is the main pest.  |
| Thorough coverage and penetration into the plant canopy is essential. Preferably apply before the build-up of pest numbers. Re-apply when pest numbers indicate. Alternate with other chemical groups. Allow at least 28 days between applications. Do not use more than 2 applications per crop. Refer to notes on resistance under General Instructions section of label.  |
| Apply in sufficient volume to obtain even coverage and penetration of plants. Apply on the first sign of pests. Re-apply as pest numbers indicate, or every 7 – 10 days with a maximum of 5 applications to the crop. If mites are also a project, do not use more than 2 abamectin sprays per crop. For staked/trellised tomatoes use high volume spraying. For non-trellised/staked tomatoes use droppers to direct the spray onto plants and away from the inter-row. Refer to notes on resistance under General Instructions section of label.   |
| Apply when mites first appear during spring/summer. Best results are obtained when applied to low pest populations. Apply by air blast sprayer or equivalent using a sufficient water volume to obtain thorough coverage. Thorough coverage is essential to achieve effective control. Do not apply more than one application per season   |
| Use as a pre-harvest spray or post-harvest dip. Ensure adequate penetration and coverage when applying pre-harvest. For dipping, flowers must be totally immersed in the diluted solution for not less than one minute and left to air dry naturally for two hours.  |

| SITUATION                       | PEST  | RATE   | WHP   |
|---------------------------------|---|--|---|
| <b>Duboisia</b>                 | Red spider mite<br>( <i>Tetranychus urticae</i> )   | 750 mL/ ha plus 5 L/ha of summer oil.  | Grazing – do not graze plantations or cut grass for stock food. |
| <b>Hops</b>                     | Two Spotted Mite<br>( <i>Tetranychus urticae</i> )  | 1.0L/ha  | Harvest – 4 weeks<br>Grazing – 4 weeks                          |
| <b>Lettuce</b>                  | Two Spotted Mite<br>( <i>Tetranychus urticae</i> )  | 300 – 450 mL/ ha<br>or<br>60 -90 mL /100 L water   | Harvest – 3 days  |
| <b>Lychees</b>                  | Two Spotted Mite<br>( <i>Tetranychus urticae</i> )<br>Litchi erinose mite<br>( <i>Aceria litchii</i> )  | 60 – 90 mL/100L<br>or<br>300 – 450 mL/ha   | Harvest – 7 days  |
| <b>Mushrooms</b>                | Red pepper mites<br>( <i>Siteroptes mesembrinae</i> )<br>Mushroom pygmy mites<br>( <i>Microdispus lambi</i> )<br>Soil borne nematodes of the family Rhabditidae | 6 mL / 50 L of casing material<br>3mL in 1.5 L of water/m <sup>2</sup> of growing medium | Harvest – 3 days  |
| <b>Nursery stock (non-food)</b> | Tomato Potato Psyllid<br>( <i>Bactericera cockerelli</i> )  | 450 mL / ha plus 500 mL summer spray oil<br>Or<br>90 mL / 100L                           | Not required when used as directed                              |

| CRITICAL COMMENTS   |
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| Apply to point of run off. Thorough coverage is essential. Monitor crops regularly and apply as soon as the threshold mite number for your area has been reached. Best results will be obtained when applied to low mite populations. Application under high populations may not give satisfactory control, in this case a second application 7-10 days later may be needed.  |
| Apply as pest pressure indicates as a dilute spray in 1000 to 2000L water/ha, depending on crop size. Make no more than one application per season.   |
| Apply sufficient volume for even coverage and adequate spray penetration of plants using a knapsack or boom spray. Use the higher rate for high pest pressure. DO NOT apply more than one (1) application per crop to avoid potential development of resistance. Where more frequent control of two spotted mite is required other approved chemicals with a different MoA Group should be rotated to avoid resistance development.   |
| Apply foliar spray when mites first appear during spring/summer. Use calibrated air-blast sprayer or similar equipment. Apply in spray volume of 1,000 to 1,500 L water per hectare. Thorough coverage of foliage is essential to achieve effective control. Apply a maximum of two (2) foliar applications per season, with a minimum re-treatment interval of 28 days. Add wetter: 0.2% horticultural spray oil (i.e. 200 mL product /100 L). Use in accordance with existing insecticide resistance management strategies. |
| Apply when pests first appear using a water cart or knapsack spray. Repeat depending upon infestation. Apply as a casing drench or if in crop over beds. DO NOT apply more than 2 applications per crop with a minimum retreatment interval of 14 days. Application of abamectin should be made at casing material preparation stage or 2 applications watered onto casing layer as split applications. Include cultural control methods as part of an integrated pest management strategy in addition to chemical control.   |
| Thorough coverage and penetration into the plant canopy is essential. Apply before pest populations reach economic damaging levels. Re-apply if monitoring shows moderate numbers of pests re-infest plants. Do not apply more than 2 applications per crop. Allow at least 7 days between applications. Do not apply more than 2 consecutive sprays before changing to an approved insecticide from a different chemical group.  |

| SITUATION  | PEST   | RATE  | WHP   |
|--|--|---|---|
| Oil tea tree   | Pyrgo beetle   | 300 mL/ ha  | Grazing –<br>21 days  |
| <b>Ornamentals including Roses, Chrysanthemums, Carnations and indoor foliage plants</b> | Two Spotted Mite<br>( <i>Tetranychus urticae</i> )   | 50mL/100L<br>to a maximum of 1.5L<br>Genfarm Abamectin 18EC<br>Insecticide/Miticide per<br>application. | Harvest –<br>Not<br>required<br>when<br>used as<br>directed<br>Grazing –<br>do not<br>graze or<br>cut for<br>stock food |
| <b>Papaya / pawpaw</b>   | Two Spotted Mite<br>( <i>Tetranychus urticae</i> )   | 300 or 450 mL/ha<br>or<br>60-90 mL/ 100 L   | Harvest –<br>7 days<br>Grazing –<br>do not<br>graze or<br>cut for<br>stock food   |
| <b>Passionfruit</b>  | Passionvine Mite<br>( <i>Brevipalpus phoenicis</i> Geijskes)<br>Two Spotted Mite<br>( <i>Tetranychus urticae</i> ) | 50 mL /100 L water  | Harvest –<br>1 day<br>Grazing –<br>Not<br>required<br>when used<br>as directed  |

| CRITICAL COMMENTS   |
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| Apply to coppice regrowth. Apply as a foliar spray by ground or aerial application. Use a spray volume of 30 – 100 L/ha. Do not apply more than 2 applications per crop. For resistance management alternate with products from different mode of action groups.  |
| Spray to wet foliage to near the point of runoff using at least 2,000 litres per hectare (100 litres per 500 square metres). Thorough coverage and penetration into plants is essential. Preferably apply on first appearance of mites. If applied when pest numbers are low to moderate, one application will be sufficient to give effective control. However, if mites are numerous, apply two applications spaced 7-10 days apart. Re-apply as pest numbers indicate to a maximum of two sprays with Genfarm Abamectin 18EC Insecticide /Miticide per season. Ferns and Shasta Daisies may be affected by Genfarm Abamectin 18EC Insecticide /Miticide, so the product should not be used on them. For ornamentals not listed on the leaflet, small test applications to assess for unexpected phytotoxicity should be made before spraying the whole crop. DO NOT use more than two times per season. Refer to notes on Resistance under General Instructions section of this leaflet. |
| Apply when pest first appears. Ensure adequate spray penetration to obtain effective control of pest. Do not make more than one application per season. To avoid resistance, sprays should be rotated with products from different chemical classes.  |
| Apply with a properly calibrated boom sprayer or similar equipment in sufficient volume to penetrate the plant canopy and evenly cover the plant surfaces. Apply in the range of 1200 –1500L/ha. Apply before pest populations reach economic damaging levels. If conditions continue to favour mite development, a second application may be required 14 – 20 days later. Do not apply more than two sprays per season. To avoid resistance build up, the product should be rotated with other approved miticides and insecticides from different chemical groups.   |

| SITUATION           | PEST  | RATE   | WHP   |
|---------------------|---|--|---|
| <b>Rhubarb</b>      | Broad mite<br><i>(Polyphagotarso-nemus latus)</i> | 300 or 450 mL/ha<br>or<br>60-90 mL/ 100 L  | Harvest –<br>7 days<br>Grazing –<br>do not<br>graze or<br>cut for<br>stock food |
| <b>Strawberries</b> | Two Spotted Mite<br><i>(Tetranychus urticae)</i>  | 100mL/ 100 L If spray<br>volume is less than 600L/ha,<br>use a minimum of 600mL<br>Genfarm Abamectin 18EC<br>Insecticide/ Miticide per ha.<br>Do not exceed 1.2L/ha<br>Genfarm Abamectin 18EC<br>Insecticide/Miticide per<br>application | Harvest –<br>3 days<br>Grazing –<br>3 days                                      |

| CRITICAL COMMENTS   |
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| Apply using an airblast sprayer or boom sprayer. The water rate may need to increase as the crop size increases. Mature crops may require 500 L/ha and the rate per 100 L should be used. Do not make more than two applications per season with a minimum retreatment interval of 14 days Abamectin (Group 6) should not be applied in 2 consecutive crops without alternating with miticides from different chemical groups.  |
| Spray to wet foliage to near the point of run-off. Thorough coverage and penetration into plants is essential. Preferably apply on first appearance of mites. When applied early, one application may be sufficient to give effective control however, if mite numbers exceed 3 - 5 mites per leaflet, apply two applications spaced 7-10 days apart. Re-apply as pest numbers indicate to a maximum of two sprays of Genfarm Abamectin 18EC Insecticide/Miticide per season. If retreatment is required after 2 consecutive sprays with Genfarm Abamectin 18EC Insecticide /Miticide, use an approved miticide from a different chemical group. Refer to notes on Resistance under General Instruction section of this leaflet. Integrated Pest Control: see comments in the Apple and Pear Section. |

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**



## WITHHOLDING PERIODS:

### HARVEST

|  |   |
|--|---|
| NURSERY STOCK, ORNAMENTALS:  | NOT REQUIRED WHEN USED AS DIRECTED.           |
| PASSIONFRUIT, SNOW PEAS & SUGAR SNAP PEAS:   | DO NOT HARVEST FOR ONE DAY AFTER APPLICATION  |
| CUCUMBER, LETTUCE, MUSHROOM &, SPRING ONION, SHALLOTS, SQUASH, STRAWBERRIES, ZUCCHINI, FRUITING VEGETABLES OTHER THAN CUCURBITS: | DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.  |
| CITRUS, LYCHEES, PAPAYA/PAWPAW, RHUBARB, RASPBERRIES, BLACKBERRIES & BLUEBERRIES:  | DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.  |
| APPLES, AVOCADO, CUSTARD APPLE, PEARS:   | DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION. |
| COTTON:  | DO NOT HARVEST FOR 20 DAYS AFTER APPLICATION  |
| BLACKCURRANTS, SWEET CORN:   | DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION  |
| ADZUKI BEANS, MUNG BEANS & NAVY BEANS, HOPS:   | DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION  |

### GRAZING

|   |  |
|---|--|
| NURSERY STOCK, PASSIONFRUIT:  | NOT REQUIRED WHEN USED AS DIRECTED.  |
| SNOW PEAS & SUGAR SNAP PEAS:  | DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 2 DAYS AFTER APPLICATION.   |
| CUCUMBER, SQUASH, STRAWBERRIES, ZUCCHINI, FRUITING VEGETABLES OTHER THAN CUCURBITS: | DO NOT FEED TREATED PRODUCE TO LIVESTOCK FOR 3 DAYS AFTER APPLICATION.                                       |
| APPLES, PEARS:  | DO NOT FEED TREATED PRODUCE TO LIVESTOCK FOR 14 DAYS AFTER APPLICATION.                                      |
| COTTON:   | DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 20 DAYS AFTER APPLICATION   |
| OIL TEA TREE, SWEET CORN:   | DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION. DO NOT GRAZE FOR 28 DAYS AFTER APPLICATION |
| ADZUKI BEANS, MUNG BEANS & NAVY BEANS, HOPS:  | DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION   |
| AVOCADO, CUSTARD APPLE, DUBOISIA, ORNAMENTALS, PAPAYA/PAWPAW, RHUBARB:              | DO NOT GRAZE OR CUT FOR STOCK FOOD.  |

## GENERAL INSTRUCTIONS

GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE quickly is for the control of pest mites on a wide range of crops and ornamentals and for the control of pest mites and native budworm on cotton. After application, GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE quickly moves onto leaves where it remains for several weeks and where it is taken up by sucking mites. GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE is not systemic, making good coverage essential. Abamectin that is not absorbed into plants is quickly degraded.

### INSECTICIDE RESISTANCE WARNING

## GROUP 6A INSECTICIDE

For insecticide resistance management GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE is a Group 6 insecticide. Some naturally occurring insect biotypes resistant to GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE and other Group 6 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE or other Group 6 insecticides are used repeatedly. The effectiveness of GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use Nutrien Ag Solutions Limited accepts no liability for any losses that may result from the failure of GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE to control resistant insects. GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE may be subject to specific resistant management strategies.

Therefore, GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE should not be applied more than the following number of times per season/crop and should not be used consecutively except where a two-spray schedule is specifically recommended.

|   |   |
|---|---|
| <b>Apples, Pears, Citrus, Hops:</b>       | one spray per season  |
| <b>Tomatoes:</b>                          | two sprays per crop if mites are present, or<br>five sprays per crop if mites are not present |
| <b>Cotton, Strawberries, Ornamentals:</b> | two sprays per season   |

### For other crops see the directions for use table

Alternate GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE with approved miticides from other chemical groups. For further information contact your local supplier, Nutrien Ag Solutions Limited representative or local agricultural department agronomist.

## CROP MONITORING

Effective control depends upon regular monitoring of crops. Check crops regularly (every 3-5 days) during the season.

## APPLICATION ON COTTON

**Air:** Apply by air spray when there is a reliable cross wind to assist with good penetration into crop canopy. Application should be carried out in the cooler parts of the day or night. Preferably use aircraft fitted with micronair atomisers.

**Ground:** Use inter-row droppers fitted with nozzles spraying towards the cotton rows. Inter-row nozzles should be level with or just below the canopy and spraying at right angles to the ground.

## MIXING

Measure the required amount of GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE, add to the partly filled spray tank, and then add the remainder of the water. If oil is recommended, add this after the GENFARM ABAMECTIN 18EC INSECTICIDE/ MITICIDE is well mixed. Wetting agent is not required.

## MIXING INSTRUCTIONS FOR APPLES AND PEAR APPLICATIONS

To achieve 750mL GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE plus 5L Summer Oil per ha, apply spray at the following mixing rates.

| WATER              | GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE (Amount required per 100 Litres) | Summer Oil |
|--------------------|--|------------|
| 1000L/ha (minimum) | 75mL   | 500mL      |
| 1500L/ha (minimum) | 50mL   | 335mL      |
| 2000L/ha (minimum) | 37.5mL   | 250mL      |
| 2500L/ha (minimum) | 30mL   | 200mL      |

## COMPATIBILITY

GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE is compatible with most commonly used insecticides and fungicides. DO NOT apply with ULV formulations.

## CROP SAFETY

GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE plus Summer Oil may very occasionally cause slight russetting on some pear varieties, particularly ANJOU and other sensitive varieties when used alone or when other products are supplied sequentially. A very small amount of temporary apple fruit blemishing may be associated with low water volume applications. GENFARM ABAMECTIN 18EC INSECTICIDE/MITICIDE plus Summer Oil may cause more severe fruit russetting on sensitive apple varieties such as Golden Delicious when used within 7 days before or after application of the fungicide DELAN SC\*. The Directions for Use and Precautions on summer oil labels should be followed carefully. Certain conditions may play a part in the occurrence of this damage. DO NOT make applications (1) when unusually hot conditions are present or expected within 24 hours after application, (2) under poor or slow drying conditions or (3) with equipment that may leave large droplets on fruit after application.

## To Avoid Crop Damage

**Cut flowers:** This product has been used on a wide range of ornamental plant species without damage. However some species and varieties are particularly sensitive to chemical sprays and this is often related to local conditions. It is advisable to treat only a small number of plants first, in order to ascertain their reaction before treating larger quantities.

## PRECAUTIONS

### Re-Entry Period

Under field conditions the spray should be allowed to dry on the foliage before re-entry into treated areas. Do not allow re-entry into treated areas in glasshouses for 24 hours after treatment. When prior entry is necessary, wear cotton overalls buttons to the neck and wrist and elbow-length gloves.

### TRADE ADVICE: Export of treated produce

Growers should note that maximum residue limits (MRLs) or import tolerances may not exist in all markets for all edible produce treated with abamectin. If you are growing edible produce for export, please check with Nutrien Ag Solutions Limited for the latest information on MRLs and import tolerances before using abamectin.

### PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray drift onto nearby susceptible plants/crops, cropping lands or pastures.

### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish and other aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. Dangerous to bees. DO NOT spray any plants in flower while bees are foraging. Studies indicate that when abamectin comes into contact with soil it readily and tightly binds to the soil and becomes inactive over time.

## STORAGE AND DISPOSAL

### DrumMUSTER (5 L, 10 L, 20 L, 200 L)

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. DO NOT use this container for any other purpose.

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple-rinse container for disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be taken separately.

### **Non-recyclable**

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. DO NOT use this container for any other purpose.

Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

### **Refillable Containers (1000 L)**

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. DO NOT use this container for any other purpose. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

**Disposal of waste dipping solution:** Dispose of spent treatment solutions in a waste pit at least 50 metres away from streams, drains, ponds, channels, wells, boreholes or watercourses. Ensure it is disposed of at least two metres above any groundwater, in a location that is not affected by erosion or flooding. For light soil areas it is recommended to add compost, sawdust or peat to the disposed liquid.

### **SAFETY DIRECTIONS**

Poisonous if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container, preparing the product for use and using the prepared product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and goggles. In addition, if applying by low pressure hand wand, wear half face-piece respirator with dust cartridge or canister. When using as a dip, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length chemical resistant gloves, impervious footwear, goggles and half-facepiece respirator. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles, respirator (if rubber was with detergent and warm water) and contaminated clothing.

### **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766. If swallowed, do NOT induce vomiting. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

### **SAFETY DATA SHEET**

For further information refer to the Safety Data Sheet, which can be obtained from the supplier.

### **CONDITIONS OF SALE**

The use of this product is beyond the control of Nutrien Ag Solutions Limited. Any provisions or rights under the Australian Consumer Law which cannot be excluded by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies expressed or implied under common law, statute or otherwise, in relation to the sale, supply, storage, use or application of this product are excluded. Nutrien Ag Solutions Limited does not accept any liability (including consequential loss and/or negligence) for any loss or damage connected with the sale, supply, storage, use or application of this product except for liability which cannot be excluded by statute.

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