

POISON

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

ALBAUGH SPIROMAX 240 SC INSECTICIDE

ACTIVE CONSTITUENT: 240 g/L SPIROTETRAMAT

GROUP 23 INSECTICIDE

For the control of various insect pests in cotton and certain fruit and vegetable crops as specified in the DIRECTIONS FOR USE table.
IMPORTANT: READ THE ATTACHED LEAFLET/BOOKLET BEFORE USE

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INSECTICIDE

ALBAUGH

your alternative

DIRECTIONS FOR USE RESTRAINTS
DO NOT graze treated brassica or chicory crops.

SPRAY DRIFT RESTRAINTS
Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between three and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

Boom sprayers
DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets are not smaller than a MEDIUM spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas are observed (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for boom sprayers').

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to 400 mL/ha	0.5 m or lower	0 m	0 m	0 m	0 m	0 m
	1.0 m or lower	0 m	0 m	0 m	0 m	10 m

Vertical sprayers
DO NOT apply by a vertical sprayer unless the following requirements are met:

- The spray is not directed above the target canopy.
- The outside of the sprayer is turned off when turning at the end of rows and when spraying the outer row on each side of the application site.
- For dilute water rates up to the maximum listed for each type of canopy specified, minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for vertical sprayers') are observed.

Type of target canopy and dilute water rate	Mandatory downwind buffer zones				
	Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
2 metres tall and smaller, maximum dilute water rate of 1,000 L/ha	0 m	0 m	0 m	0 m	0 m
Taller than 2 metres (not fully-foliated), maximum dilute water rate of 4,000 L/ha	0 m	0 m	0 m	15 m	15 m
Taller than 2 metres (fully-foliated), maximum dilute water rate of 4,000 L/ha	0 m	0 m	0 m	5 m	5 m
Taller than 2 metres (not fully-foliated), maximum dilute water rate of 10,000 L/ha	0 m	10 m	0 m	20 m	20 m
Taller than 2 metres (fully-foliated), maximum dilute water rate of 10,000 L/ha	0 m	0 m	0 m	10 m	15 m

Aircraft
DO NOT apply by aircraft unless the following requirements are met:

- Spray droplets not smaller than a MEDIUM spray droplet size category.
- For maximum release height above the target canopy of 3 metres or 25 percent of wingspan or 25 percent of rotor diameter, whichever is the greatest, minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for aircraft') are observed.

Type of aircraft	Mandatory downwind buffer zones				
	Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Fixed wing	0 m	0 m	0 m	15 m	90 m
Helicopter	0 m	0 m	0 m	25 m	60 m

Vegetable Crops	Crop	Pest	Rate	WHP	Critical Comments
Beans, peas (green) including snow peas and sugar snap peas		Green peach aphid (<i>Myzus persicae</i>)	200 mL/ha + adjuvant*	H, G 7 days For snow peas and sugar snap peas only H, G 3 days	Monitor crops and commence applications once local thresholds are reached. Where applicable, use the higher rate when periods of high pest pressure or rapid crop growth are evident or when longer residual control is desired or when crops are advanced. Continue to monitor crops and make a subsequent application as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than a total of 2 applications per crop. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.
		Silverleaf whitefly (<i>Bemisia tabaci</i> Biotype B)	300 – 400 mL/ha + adjuvant*		
Beans (green)		Western flower thrips (<i>Frankliniella occidentalis</i>), tomato thrips (<i>Frankliniella schultzei</i>)	300 – 400 mL/ha + adjuvant*	H, G 7 days	Commence applications at the flower budding growth stage. Use the higher rate when periods of high pest pressure or rapid crop growth are evident or when longer residual control is desired. Continue to monitor crops and make a subsequent application as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than a total of 2 applications per crop. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.
Brassica vegetables (broccoli, brocolini, Brussels sprouts, cabbage, cauliflower, kohlrabi)		Green peach aphid (<i>Myzus persicae</i>)	200 mL/ha + adjuvant* OR Dilute spraying 20 mL/100 L + adjuvant*	H 3 days	Monitor crop and commence applications once local thresholds are reached. Where applicable, use the higher rate when periods of high pest pressure or rapid crop growth are evident or when longer residual control is desired or when crops are dense or large (e.g. from the commencement of head formation). Continue to monitor crops and make a subsequent application as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than a total of 3 applications per crop. Ensure thorough coverage of the target crop. For dilute spraying apply to the point of runoff, using application volumes of up to 1000 L/ha – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.
		Grey cabbage aphid (<i>Brevicoryne brassicae</i>)	200 - 300 mL/ha + adjuvant* OR Dilute spraying 20 - 30 mL/100 L + adjuvant*		
		Silverleaf whitefly (<i>Bemisia tabaci</i> Biotype B)	300 - 400 mL/ha + adjuvant* OR Dilute spraying 30 - 40 mL/100 L + adjuvant*		
Brassica leafy vegetables including bok choy, Chinese broccoli (gai lum/gai lan/ kai lan), Chinese cabbage (pet sai/wombok/ haksukai), choy sum, gai choy/am soy/kai choy, kale, mibuna, mustard (leafy) including Indian mustard and mustard spinach (komatsuma), pak choy, tat soy (fields and protected cropping systems)		Green peach aphid (<i>Myzus persicae</i>)	200 mL/ha + adjuvant*	H 3 days	Monitor crop and commence applications once local thresholds are reached. Where applicable, use the higher rate when periods of high pest pressure or rapid crop growth are evident or when longer residual control is desired or when crops are dense or large (e.g. from the commencement of head formation). Continue to monitor crops and make a subsequent application as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than a total of 2 applications per crop. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.
		Grey cabbage aphid (<i>Brevicoryne brassicae</i>)	200 - 300 mL/ha + adjuvant*		
		Silverleaf whitefly (<i>Bemisia tabaci</i> Biotype B)	300 - 400 mL/ha + adjuvant*		
Celery and rhubarb		Green peach aphid (<i>Myzus persicae</i>)	200 mL/ha + adjuvant*	H 3 days	Monitor crops and commence applications once local thresholds are reached. Where applicable, use the higher rate when periods of high pest pressure or rapid crop growth are evident or when longer residual control is desired. Continue to monitor crops and make subsequent applications as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than 2 applications per crop. ALBAUGH Spiromax 240 SC Insecticide is not highly effective against the adult stage of thrips, however a decline in the total thrips population will occur over time as the juvenile stages are controlled. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS. Note: The green peach aphid and cotton aphid uses are subject to a CroLife resistance management strategy. Refer to www.croplife.org.au for more information.
		Cotton aphid (<i>Aphis gossypii</i>)	200 – 300 mL/ha + adjuvant* OR Dilute spraying 20 – 30 mL/ 100 L + adjuvant*		
Curcubits (field and protected cropping systems)		Western flower thrips (<i>Frankliniella occidentalis</i>), tomato thrips (<i>Frankliniella schultzei</i>), Plague thrips (<i>Thrips imaginis</i>)	300 – 400 mL/ha + adjuvant*	H 1 day	Monitor crops and commence applications once local thresholds are reached. Where applicable, use the higher rate when periods of high pest pressure or rapid crop growth are evident or when longer residual control is desired or when crops are dense or large. Continue to monitor crops and make subsequent applications as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than 3 applications per crop. Dilute spraying is recommended for trellised crops (e.g. glasshouse crops). Ensure thorough spray coverage of the target crop. For dilute spraying apply to the point of runoff, using application volumes of up to 1000 L/ha – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS. Note: These uses are subject to a CroLife resistance management strategy. Refer to www.croplife.org.au for more information.
		Green peach aphid (<i>Myzus persicae</i>)	200 mL/ha + adjuvant* OR Dilute spraying 20 – 30 mL/ 100 L + adjuvant*		
		Silverleaf whitefly (<i>Bemisia tabaci</i> Biotype B)	300 – 400 mL/ha + adjuvant* OR Dilute spraying 30 – 40 mL/ 100 L + adjuvant*		
Eggplant, peppers (capsicum and chilli), Tomatoes (field and protected cropping systems)		Green peach aphid (<i>Myzus persicae</i>)	200 mL/ha + adjuvant* OR Dilute spraying 20 mL/100 L + adjuvant* OR Concentrate spraying Refer "Application" section in GENERAL INSTRUCTIONS	H 1 day	Monitor crops and commence applications once local thresholds are reached. Where applicable, use the higher rate when periods of high pest pressure or rapid crop growth are evident or when longer residual control is desired or when crops are dense or large. Continue to monitor crops and make subsequent applications as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than 3 applications per crop. ALBAUGH Spiromax 240 SC Insecticide is not highly effective against the adult stage of western flower thrips, however a decline in the total thrips population will occur over time as the juvenile stages are controlled. Dilute or concentrate spraying is recommended for trellised crops (e.g. glasshouse crops). Ensure thorough spray coverage of the target crop. For dilute spraying apply to the point of run-off, using application volumes of up to 1000 L/ha – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS. Note: The green peach aphid and silverleaf whitefly uses are subject to a CroLife resistance management strategy. Refer to www.croplife.org.au for more information.
		Silverleaf whitefly (<i>Bemisia tabaci</i> Biotype B), Western flower thrips (<i>Frankliniella occidentalis</i>)	300 – 400 mL/ha + adjuvant* OR Dilute spraying 30 – 40 mL/100 L + adjuvant* OR Concentrate spraying Refer "Application" section in GENERAL INSTRUCTIONS		

Crop	Pest	Rate	WHP	Critical Comments
Herbs (field and protected cropping systems)	Green peach aphid (<i>Myzus persicae</i>)	200 mL/ha + adjuvant*	H 3 days	Monitor crops and commence applications once local thresholds are reached. Where applicable, use the higher rate when periods of high pest pressure or rapid crop growth are evident or when longer residual control is desired. Continue to monitor crops and make subsequent applications as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than 3 applications per crop. ALBAUGH Spiromax 240 SC Insecticide is not highly effective against the adult stage of thrips, however a decline in the total thrips population will occur over time as the juvenile stages are controlled. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS. Note: The green peach aphid and cotton aphid uses are subject to a CroLife resistance management strategy. Refer to www.croplife.org.au for more information.
	Cotton aphid (<i>Aphis gossypii</i>)	200 - 300 mL/ha + adjuvant*		
Leafy vegetables (except lettuce) including chard, cress, rocket, silverbeet, spinach (field and protected cropping systems)	Green peach aphid (<i>Myzus persicae</i>)	200 mL/ha + adjuvant*	H 3 days	Monitor crops and commence applications once local thresholds are reached. Continue to monitor crops and make subsequent applications as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than 3 applications per crop. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS. Note: This use is subject to a CroLife resistance management strategy. Refer to www.croplife.org.au for more information.
		Western flower thrips (<i>Frankliniella occidentalis</i>), tomato thrips (<i>Frankliniella schultzei</i>), Plague thrips (<i>Thrips imaginis</i>)		
Lettuce (head lettuce and leafy lettuce) (field and protected cropping systems)	Brown sowthistle aphid (<i>Uroleucon sonchi</i>), currant lettuce aphid (<i>Nasonovia ribisnigri</i>), green peach aphid (<i>Myzus persicae</i>)	200 mL/ha + adjuvant*	H 1 day	Monitor crops and commence applications once local thresholds are reached. Continue to monitor crops and make subsequent applications as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than 3 applications per crop. ALBAUGH Spiromax 240 SC Insecticide is not highly effective against the adult stage of thrips, however a decline in the total thrips population will occur over time as the juvenile stages are controlled. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS. Note: The green peach aphid use is subject to a CroLife resistance management strategy. Refer to www.croplife.org.au for more information.
	Western flower thrips (<i>Frankliniella occidentalis</i>)	300 –400 mL/ha + adjuvant*		
Chicory, endive, radicchio (field and protected cropping systems)	Brown sowthistle aphid (<i>Uroleucon sonchi</i>), currant lettuce aphid (<i>Nasonovia ribisnigri</i>), green peach aphid (<i>Myzus persicae</i>)	200 mL/ha + adjuvant*	H 3 days	Monitor crops and commence applications once local thresholds are reached. Continue to monitor crops and make a subsequent application as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide (onions, bulb). Do not apply more than 2 applications per crop. ALBAUGH Spiromax 240 SC Insecticide is not highly effective against the adult stage of thrips, however a decline in the total thrips population will occur over time as the juvenile stages are controlled. There are certain conditions where ALBAUGH Spiromax 240 SC Insecticide plus adjuvant may cause a minor tip burn on leaves in bulb vegetables. Before treating large areas, a small area should be tested to determine whether crop phytotoxicity is likely. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.
Onions, bulb	Onion thrips (<i>Thrips tabaci</i>)	200 mL/ha + adjuvant*	H 7 days	Monitor crops and commence applications once local thresholds are reached. Continue to monitor crops and make a subsequent application as necessary. Do not re-apply within 14 days of a previous ALBAUGH Spiromax 240 SC Insecticide (onions, bulb). Do not apply more than 2 applications per crop. ALBAUGH Spiromax 240 SC Insecticide is not highly effective against the adult stage of thrips, however a decline in the total thrips population will occur over time as the juvenile stages are controlled. There are certain conditions where ALBAUGH Spiromax 240 SC Insecticide plus adjuvant may cause a minor tip burn on leaves in bulb vegetables. Before treating large areas, a small area should be tested to determine whether crop phytotoxicity is likely. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.
Bulb vegetables excluding onions, bulb	Onion thrips (<i>Thrips tabaci</i>)	200 mL/ha + adjuvant*		
Potatoes, sweet potatoes	Western flower thrips (<i>Frankliniella occidentalis</i>), tomato thrips (<i>Frankliniella schultzei</i>), Plague thrips (<i>Thrips imaginis</i>)	300 – 400 mL/ha + adjuvant*	H 7 days	Monitor crops and commence applications once local thresholds are reached. Where applicable, use the higher rate when periods of high pest pressure or rapid crop growth are evident, when longer residual control is desired or when crops are dense or large. Continue to monitor crops and make subsequent applications as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than 3 applications per crop. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS. Note: These uses are subject to a CroLife resistance management strategy. Refer to www.croplife.org.au for more information.
	Green peach aphid (<i>Myzus persicae</i>)	200 mL/ha + adjuvant*		
Silverleaf whitefly (<i>Bemisia tabaci</i> Biotype B)	Silverleaf whitefly (<i>Bemisia tabaci</i> Biotype B)	300 – 400 mL/ha + adjuvant*	H 7 days	Monitor crops and commence applications once local thresholds are reached. Where applicable, use the higher rate when periods of high pest pressure or rapid crop growth are evident, when longer residual control is desired or when crops are dense or large. Continue to monitor crops and make subsequent applications as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than 3 applications per crop. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS. Note: These uses are subject to a CroLife resistance management strategy. Refer to www.croplife.org.au for more information.
		300 – 400 mL/ha + adjuvant*		
Sweet corn	Corn aphid (<i>Rhopalosiphum maidis</i>)	200 –300 mL/ha + adjuvant*	H, G 7 days	Monitor crops and commence applications once local thresholds are reached. DO NOT apply prior to tassel emergence. Use the higher rate when periods of high pest pressure or rapid crop growth are evident (e.g. during silking) or when longer residual control is desired or when crop (e.g. corn cob) is advanced. Continue to monitor crops and make a subsequent application as necessary. Do not re-apply within 7 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than a total of 2 applications per crop. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.

Fruit Crops				
Crop	Pest	Rate	WHP	Critical Comments
Citrus	Red scale, mussel scale, white louse scale (citrus snow scale)	Dilute spraying 20 – 30 mL/100 L water plus adjuvant*	H 3 weeks	Monitor crops and commence applications after flowering at the onset of crawler emergence or when pest numbers reach economic threshold. Continue to monitor crops and apply a second application 21 - 35 days after the first application if required. Applications to an established pest population where mature adults are present and dominate the population will be ineffective. Where applicable, use the higher rate under high pest pressure or to provide longer residual control. For red scale the higher rate will provide control where crawlers have settled and whitecaps are visible. DO NOT exceed 4.0 L of ALBAUGH Spiromax 240 SC Insecticide per hectare. A total of three applications can be made in citrus in a twelve month period, however no more than two applications should be made within 90 days of harvest. Apply thoroughly to ensure complete coverage, using dilute spraying equipment in up to 10,000 L/ha water (concentrate spraying is not appropriate for this use) – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.
	Soft brown scale	Dilute spraying 30 mL/100 L water plus adjuvant*		
	Pink wax scale, citrus mealybug (suppression only)	Dilute spraying 30 – 40 mL/100 L water plus adjuvant*		
	Kelly's citrus thrips			Monitor crops from flowering onwards for the presence of Kelly's citrus thrips. Apply ALBAUGH Spiromax 240 SC Insecticide, after flowering, once local pest thresholds are reached. A single application may be suitable where thrips pressure is low. Continue to monitor crops and where thrips pressure is moderate to high apply a second application, no less than 14 days after the first, and prior to calyx closure. Use the higher rate under high pest pressure or to provide longer residual control. DO NOT exceed 4.0 L of ALBAUGH Spiromax 240 SC Insecticide per hectare. Overlapping cropping situations e.g. lemons, Valencia oranges: If any maturing fruit is present on the tree and is within six weeks of harvest, a second application for control of Kelly's citrus thrips should be at least 21 days after the first and ideally prior to calyx closure. A total of three applications can be made in citrus in a twelve-month period, however no more than two applications should be made within 90 days of harvest. Apply thoroughly to ensure complete coverage, using dilute spraying equipment in up to 10,000 L/ha water (concentrate spraying is not appropriate for this use) – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.
Grapes	Longtailed mealybug (<i>Pseudococcus longispinus</i>), tuber mealybug (<i>Pseudococcus viburni</i>), grapevine scale (<i>Parthenolecanium persicae</i>) (suppression only), Plague thrips (<i>Thrips imaginis</i>) (suppression only), northern plague thrips (<i>Thrips safrus</i>) (suppression only)	Dilute spraying 40 mL/100 L + adjuvant Concentrate Spraying Refer to the Application section. Add adjuvant as recommended*	H 4 Weeks**	Monitor crops following bud burst. Commence applications at the onset of crawler emergence or when pest numbers reach an economic threshold. To ensure there is sufficient foliage for product uptake do not apply prior to 6 leaf stage (EL 13). Mealybug and grapevine scale: Continue to monitor crops and apply a second application 21 to 28 days after the first application. Thrips: The peak time for thrips damage in grape vines is during flowering and berry set. To obtain optimum thrips suppression, a second application should be applied prior to the anticipated peak thrips activity. The second application should be made no less than 14 days after the initial application. Do not exceed a 28 day interval. At this longer interval, an application of a product from an alternative group chemical group will be required between ALBAUGH Spiromax 240 SC Insecticide applications to provide continual thrips protection. All pests: For all pests applications to an established pest population where mature adults are present and dominate the population will be ineffective. Do not apply more than 2 applications per crop with a minimum 14 days between applications. Apply thoroughly to ensure complete coverage. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. For concentrate spraying, do not use at rates greater than two times the dilute spraying rate (i.e. at a concentration factor greater than 2X) - refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS. ** Note: If grapes are likely to be exported as wine, fresh or dried fruit also refer to advice under Export of treated produce heading.
Mangoes (Post flowering applications)	White mango scale, citrus mealybug (suppression only)	Fruit less than 50 mm diameter Dilute spraying 30 – 40 mL/100 L water plus adjuvant* or 40 mL/100 L water without adjuvant** Fruit greater than 50 mm diameter Dilute spraying 40 mL/100 L water without adjuvant**	H 14 days	Monitor crops and commence applications from immediately after flowering coinciding with crawler emergence. Continue to monitor crops and apply a second application 21 - 35 days after the first application if required. Use the higher rate under high pest pressure or to provide longer residual control. Do not apply more than two applications of ALBAUGH Spiromax 240 SC Insecticide post-flowering (i.e. between fruit set and harvest). * Where indicated add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS. Refer to Warning: Safety to Fruit , below, for advice on when adjuvant should NOT be used with ALBAUGH Spiromax 240 SC Insecticide. ** When ALBAUGH Spiromax 240 SC Insecticide is applied without an adjuvant for the control of white mango scale or suppression of citrus mealybug, lower levels of control may be evident.
	Pink wax scale	Fruit less than 50 mm diameter Dilute spraying 30 - 40 mL/100 L water plus adjuvant* Fruit greater than 50 mm diameter Not recommended		Apply thoroughly to ensure complete coverage using dilute spraying equipment (concentrate spraying is not appropriate for this use) – refer "Application" section in GENERAL INSTRUCTIONS. Warning: Safety to Fruit: ALBAUGH Spiromax 240 SC Insecticide can cause damage (drip point injury) to mango fruit under some circumstances. To reduce the risk of such damage when fruit is present on trees; • Do not spray to excessive run-off • Do not use wetting agent type adjuvants • Do not mix ALBAUGH Spiromax 240 SC Insecticide with any other product, except the specified adjuvant when recommended • Do not mix ALBAUGH Spiromax 240 SC Insecticide with any other product, including any adjuvant , if any fruit exceeds 50 mm diameter (width). Fruit of the variety Honey Gold has been found to be particularly sensitive to ALBAUGH Spiromax 240 SC Insecticide, and for some varieties fruit sensitivity may be unknown, hence the following additional precaution applies: • Do not mix ALBAUGH Spiromax 240 SC Insecticide with any other product, including any adjuvant, when applying to fruiting crops of Honey Gold variety or other varieties where fruit safety of ALBAUGH Spiromax 240 SC Insecticide plus adjuvant is unknown. Even when these precautions are followed, some fruit damage has occasionally been noted in the Honey Gold variety.
Mangoes (post harvest applications no fruit)	White mango scale, pink wax scale	Dilute spraying 30 – 40 mL/100 L water plus adjuvant* Concentrate Spraying Refer to the Application section. Add adjuvant as recommended*	-	Apply after harvest and after tree pruning (if performed) to ensure good scale control on new growth. Use the higher rate under high pest pressure or to provide longer residual control. Do not apply within two weeks before the beginning of flowering. Apply thoroughly to ensure complete coverage. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. For concentrate spraying, do not use at rates greater than two times the dilute spraying rate (i.e. at a concentration factor greater than 2X) – refer "Application" section in GENERAL INSTRUCTIONS. * Where indicated add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.

Crop	Pest	Rate	WHP	Critical Comments
Passionfruit	Red scale	Dilute spraying 20 – 30 mL/100 L water plus adjuvant*	H 3 days	Monitor crops and commence applications immediately after peak flowering coinciding with the onset of crawler emergence or when pest numbers reach economic threshold. Continue to monitor crops and apply a second application no less than 21 days after the first application if required. Where applicable, use the higher rate under high pest pressure or to provide longer residual control or when crops are dense. For red scale the higher rate will provide control of an established population of the pest. A total of two applications can be made in passionfruit in a twelve month period. Apply thoroughly to ensure complete coverage using dilute spraying equipment up to 1000 L/ha (concentrate spraying is not appropriate for this use) – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.
	Citrus mealybug (suppression only)	Dilute spraying 40 mL/100 L water plus adjuvant*		
Pome fruit	Longtailed mealybug (<i>Pseudococcus longispinus</i>), tuber mealybug (<i>Pseudococcus viburni</i>), woolly apple aphid (<i>Eriosoma lanigerum</i>) (suppression only)	Dilute spraying 40 mL/100 L + adjuvant* Concentrate Spraying Refer to the Application section. Add adjuvant as recommended*	H 3 weeks	Monitor crops following flowering. Commence applications at the onset of crawler emergence or when pest numbers reach an economic threshold. To ensure there is sufficient foliage for product uptake; For apples, do not apply prior to petal fall. For pears, do not apply prior to fruitlets reaching 10 mm in diameter. Mealybug and woolly apple aphid: Continue to monitor crops and apply a second application 14 to 28 days after the first application. San Jose scale: Continue monitoring and apply further applications when new generations emerge. Do not re-apply within 14 days of a previous ALBAUGH Spiromax 240 SC Insecticide application. All pests: For all pests, applications to an established pest population where mature adults are present and dominate the population will be ineffective. Do not apply more than 3 applications per crop with a minimum 14 days between applications. Apply thoroughly to ensure complete coverage. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. For concentrate spraying, do not use at rates greater than two times the dilute spraying rate (i.e. at a concentration factor greater than 2X) – refer to "Application" section in General Instructions * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.
	San Jose scale (<i>Quadraspidiotus perniciosus</i>),	Dilute spraying 30 mL/100 L + adjuvant* Concentrate Spraying Refer to the Application section. Add adjuvant as recommended.		
Stone fruit	Tuber mealybug (<i>Pseudococcus viburni</i>), longtailed mealybug (<i>Pseudococcus longispinus</i>)	Dilute spraying 40 mL/100 L + adjuvant* Concentrate Spraying Refer to the Application section. Add adjuvant as recommended*	H 3 weeks	Monitor crops following petal fall. Commence applications at the onset of crawler emergence or when pest numbers reach an economic threshold. To ensure there is sufficient foliage for product uptake do not apply prior to shuck fall. Mealybug: Continue to monitor crops and apply a second application 14 to 28 days after the first application. Aphids: Continue to monitor crops and apply a second application 14 to 21 days after the first application if required. San Jose scale: Continue monitoring and apply further applications when new generations emerge. Do not re-apply within 14 days of a previous ALBAUGH Spiromax 240 SC Insecticide application. All pests: For all pests, applications to an established pest population where mature adults are present and dominate the population will be ineffective. Cherries: Do not apply more than 2 applications per crop for cherries with a minimum 14 days between applications. Stone fruit other than cherries: Do not apply more than 3 applications per crop, with no more than 2 applications made later than 21 days after shuck fall and with a minimum 14 days between applications. Apply thoroughly to ensure complete coverage. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. For concentrate spraying, do not use at rates greater than two times the dilute spraying rate (i.e. at a concentration factor greater than 2X) – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.
	Black cherry aphid (<i>Myzus cerasi</i>), black peach aphid (<i>Brachycaudus persicae</i>), San Jose scale (<i>Quadraspidotus perniciosus</i>)	Dilute spraying 30 mL/100 L + Adjuvant* Concentrate Spraying Refer to the Application section. Add adjuvant as recommended*		
Cotton	Silverleaf whitefly (<i>Bemisia tabaci</i>) Cotton aphid (<i>Aphis Gossypii</i>)	300 – 400 mL/ha + adjuvant* 300 – 400 mL/ha + adjuvant*	H 3 weeks G Refer to grazing WHP statement	Monitor crops and commence applications once local thresholds are reached. Use the higher rate when periods of high pest pressure or rapid crop growth are evident, when longer residual control is desired or when crops are well advanced. Continue to monitor crops and make a subsequent application as necessary. Do not re-apply within 14 days of a previous ALBAUGH Spiromax 240 SC Insecticide. Do not apply more than 2 applications per crop. ALBAUGH Spiromax 240 SC Insecticide may not control silverleaf whitefly adults and eggs, however a decline in the total silverleaf whitefly population will occur over time as the juvenile stages are controlled. Ensure thorough coverage of the target crop – refer "Application" section in GENERAL INSTRUCTIONS. * Always add a specified spray adjuvant – refer "Adjuvant" section in GENERAL INSTRUCTIONS.

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

WITHHOLDING PERIODS (WHP)

Harvest (H):
Eggplant, peppers (capsicum and chilli), tomatoes, cucurbits, lettuce: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION
Brassica vegetables, brassica leafy vegetables, celery, chictory, endive, herbs, leafy vegetables (except lettuce), passionfruit, radicchio, rhubarb, snow peas, sugar snap peas: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION
Beans, bulb vegetables (except onions, bulb), onions (bulb), peas (except snow peas and sugar snap peas), potatoes, sweet corn, sweet potatoes: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION
Mangoes: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION
Citrus, cotton, pome fruit, stone fruit: DO NOT HARVEST FOR 3 WEEKS AFTER APPLICATION
Grapes: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION
Note: If grapes are likely to be exported as wine, fresh or dried fruit also refer to advice under Export of treated produce heading.

Grazing (G):
Brassica vegetables (including brassica leafy vegetables), chicory: DO NOT GRAZE TREATED BRASSICA OR CHICORY CROPS
Cotton: DO NOT FEED COTTON FODDER, STUBBLE OR TRASH TO LIVESTOCK
Snow peas and sugar snap peas: DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 3 DAYS AFTER APPLICATION
Beans, peas (except snow peas and sugar snap peas), sweet corn: DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 7 DAYS AFTER APPLICATION

Trade Advice:
LIVESTOCK DESTINED FOR EXPORT MARKETS
The grazing withholding period only applies to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that in addition to complying with the grazing withholding period, the Export Slaughter Interval is observed before stock are sold or slaughtered.
EXPORT SLAUGHTER INTERVAL (ESI) – 3 DAYS
LIVESTOCK THAT HAS BEEN GRAZED ON OR FED TREATED CROPS SHOULD BE PLACED ON CLEAN FEED FOR 3 DAYS PRIOR TO SLAUGHTER.
Export of Treated Produce
Growers should note that suitable MRLs or import tolerances may not be established in all markets for produce treated with ALBAUGH Spiromax 240 SC Insecticide. In some situations export requirements may be met by limiting application number and/or imposing a longer withholding period than specified above. If you are growing produce for export, please check with ALBAUGH AUSTRALIA PTY LTD or your industry body for the latest information on any potential trade issues and their management before using ALBAUGH Spiromax 240 SC Insecticide.
Grapes for wine intended for export: Suitable MRLs or import tolerances are established in most, but not all, wine export destinations to allow use up until the stated withholding period for grapes. For the latest information consult with ALBAUGH AUSTRALIA PTY LTD, your winery or the Australian Wine Research Institute (AWRI) before using ALBAUGH Spiromax 240 SC Insecticide in grapes which may be used to make wine for export.

GENERAL INSTRUCTIONS

Cotton
Apply as a blanket spray or banded spray ensuring thorough coverage of the foliage. Apply in a minimum of 80 L/ha. Use only MEDIUM spray droplets according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the BCPC Guideline.
Aerial application (beans, cotton, cucurbits, peas, potatoes, sweet corn, tomatoes only)
ALBAUGH Spiromax 240 SC Insecticide must only be applied by aircraft (fixed-wing or helicopter) fitted with accurately calibrated equipment. Apply a minimum total spray volume of 30 L/ha or preferably 50 L/ha for sweet corn with nozzles (e.g. Micronaire rotary atomisers, CP nozzles or conventional hydraulic nozzles) set to MEDIUM spray quality according to nozzle manufacturer specification that refer to ASAE S572 Standard or the BCPC Guideline. A spray drift minimisation strategy should be employed at all times when applying this product. Do not apply ALBAUGH Spiromax 240 SC Insecticide using Ultra Low Volume (ULV) methods.
Sweet corn: It is advisable that spray applications commence no later than early tasselling to ensure there is adequate early control of corn aphid infestations prior to silking. Further enhancement of aircraft application can be achieved through modification of spray patterns (e.g. reduced swath width), increased water volume (e.g. from 30 L/ha to 50 L/ha), and the use of Global Positioning Systems (GPS) as an aid during spray applications.
COMPATIBILITY
Do not mix ALBAUGH Spiromax 240 SC Insecticide with Amistar® or Du-Wett®.
Do not mix ALBAUGH Spiromax 240 SC Insecticide with any other product, except the specified adjuvant when recommended, when applying to fruiting mango crops.
For further information on the compatibility of ALBAUGH Spiromax 240 SC Insecticide with other products, contact your local ALBAUGH AUSTRALIA PTY LTD representative.
INSECTICIDE RESISTANCE WARNING

GROUP	23	INSECTICIDE
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For insecticide resistance management, ALBAUGH Spiromax 240 SC Insecticide is a Group 23 insecticide. Some naturally occurring insect biotypes resistant to ALBAUGH Spiromax 240 SC Insecticide and other Group 23 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if ALBAUGH Spiromax 240 SC Insecticide and other Group 23 insecticides are used repeatedly. The effectiveness of ALBAUGH Spiromax 240 SC Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, ALBAUGH AUSTRALIA PTY LTD accepts no liability for any losses that may result from the failure of ALBAUGH Spiromax 240 SC Insecticide to control resistant insects. ALBAUGH Spiromax 240 SC Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, ALBAUGH AUSTRALIA PTY LTD representative or local agricultural department agronomist.
MIXING
Shake the container well before using. Partially fill the spray tank with clean water and add the required volume of product to the target whilst agitating. Top up the tank with clean water to the required volume. Add the required amount of adjuvant. ALBAUGH Spiromax 240 SC Insecticide should be applied as soon after mixing as possible.
GROUND APPLICATION
Vegetable and herb crops
Thorough coverage of the target area is essential. Apply in sufficient water, and using suitable application parameters (nozzles, pressure, boom height, speed, etc) to ensure thorough and even coverage. Use only MEDIUM spray droplets according to nozzle manufacture specifications that refer to the ASAE S572 Standard or the BCPC Guideline.
Application using rate per hectare in vegetables and herbs
Thorough coverage of the target area is essential. Adjust water volumes according to the crop growth stage.
Sweet corn: Where a standard "over the top" boom spray is used, the use of droppers will help improve spray coverage to the target area i.e. silks and cobs.
Application using rate per 100 L (Dilute Spraying) in vegetables (brassica vegetables, cucurbits, eggplant, peppers, tomatoes)
• Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed.
• Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off.
• The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.
• Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off, to a maximum of 1000 L/ha for vegetable crops.
• The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.
Application using concentrate spraying in vegetables (Eggplant, peppers, tomatoes)
• Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed (e.g. air assisted sprayer).
• Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume.
• Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate.
• The mixing rate for concentrate spraying can then be calculated in the following way:
EXAMPLE ONLY
1. Dilute spray volume as determined above: For example 1500 L/ha
2. Your chosen concentrate spray volume: For example 500 L/ha
3. The concentration factor in this example is: 3X (i.e. 1500 L ÷ 500 L = 3)
4. If the dilute label rate is 40 mL/100 L, then the concentrate rate becomes 3 x 40 mL/100L, that is 120 mL/100 L of concentrate spray.
• The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.
• Do not use at a concentration factor greater than 3 X (e.g. at a rate higher than 120 mL/100 L where a dilute spraying rate of 40 mL/100 L is specified).
• **Note that the concentrate mixing rate is applicable only to ALBAUGH Spiromax 240 SC Insecticide. The adjuvant rate remains unchanged (i.e. no concentrate factor applies).** Refer to the **Adjuvant** section.
For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training, and follow industry Best Practices.

Special Instructions for Tree and Vine Crops (citrus, mangoes, pome fruit, stone fruit, grapes and passionfruit)
Dilute Spraying
• Use a sprayer designed to apply high spray volumes, up to the point of run-off and matched to the crop being sprayed.
• Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off.
• The required spray volume may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or expert advice.
• Add the amount of product specified in the Direction for Use table for each 100 L of water. Spray to the point of run-off, to a maximum of 1,000 L/ha for passionfruit and 10,000 L/ha for citrus crops.
• The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.
Concentrate Spraying (Grapes, mangoes - post-harvest only, pome fruit, stone fruit)
• Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies spray volumes less than those required to reach the point of run-off) and matched to the crop being sprayed.
• Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen spray volume.
• Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate.
• The mixing rate for concentrate spraying can then be calculated in the following way:
EXAMPLE ONLY
1. Dilute spray volume as determined above: For example 1500 L/ha
2. Your chosen concentrate spray volume: For example 750 L/ha
3. The concentration factor in this example is 2 X (i.e. 1500 L ÷ 750 L = 2)
4. If the dilute label rate is 30 mL/100 L, then the concentrate rate becomes 2 x 30, that is, 60 mL/100 L of concentrate spray.
• The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.
• Do not use at a concentration factor greater than 2X (e.g. at a rate higher than 80 mL/100L where a dilute spraying rate of 40 mL/100 L is specified).
• **Note that the concentrate mixing rate is applicable only to ALBAUGH Spiromax 240 SC Insecticide. The adjuvant rate remains unchanged (i.e. no concentrate factor applies).** Refer to the **Adjuvant** section.
For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry best practice.

SAFETY DATA SHEET
Additional information is listed in the safety data sheet (SDS) which is available from the supplier and accessible from the Albaugh website albaugh.com/au
TERMS AND CONDITIONS OF SUPPLY, SALE AND USE
Many factors can affect or influence the activity of this product, including, but not limited to: weather and soil conditions, crop variety, treatment timing, water volume, application rates, spraying techniques, crop rotation, regional factors, and the occurrence and development of strains resistant to the active ingredient. Under certain circumstances, changes in activity or crop damage can occur. The manufacturer or supplier is unable to accept liability in these circumstances. All goods supplied by us are of a high grade and we believe them to be suitable for the purpose for which we expressly supply them: but we cannot exercise any control over their mixing, use or application which may affect the performance of the goods. All conditions and warranties statutory or otherwise as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application, or use. These conditions cannot be varied by our staff, agents, or the re-sellers of the product whether or not they supervise or assist in the use of such goods.

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