



Product Name: eLabel EuroChem SENECA ULTRA 400 SP Insecticide
Application No: 83859/109092

Label Name:	EuroChem SENECA ULTRA 400 SP Insecticide
Signal Headings:	DANGEROUS POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENT : 400 g/kg METHOMYL (an anti-cholinesterase compound)
Mode of Action:	GROUP 1A INSECTICIDE
Statement of Claims:	For the control of insect pests in Brassicas and grapes as specified in the Directions For Use Table.
Net Contents:	MEASURE PACK sizes of 120 g to 2.4 kg PRIMARY PACK contains 5 or 10 measure packs which it is illegal to sell separately, For Example combinations in the range "10 x 120 g up to 5 x 2.4 kg"
Restrains:	DO NOT use in covered or protected situations such as glasshouse, greenhouses or plastic tunnels.
Directions for Use:	This section contains file attachment.
Other Limitations:	THIS PRODUCT IS TOO HAZARDOUS FOR USE IN THE HOME GARDEN. IN TASMANIA, THIS PRODUCT MUST NOT BE APPLIED BY AIRCRAFT WITHOUT THE SPECIFIC APPROVAL OF THE REGISTRAR OF PESTICIDES.

Withholding Periods:	HARVEST DO NOT APPLY LATER THAN THE NUMBER OF DAYS SHOWN BEFORE HARVEST: Brassicas: 1 DAY Grapes: 7 DAYS
Trade Advice:	Export of Treated Produce Growers should note that suitable MRL's or import tolerances may not be established in all markets for produce treated with EuroChem SENECA ULTRA 400 SP Insecticide. If you are growing produce for export, please check with RONIC for the latest information on MRL's and import tolerances BEFORE using EuroChem SENECA ULTRA 400 SP Insecticide.
General Instructions:	This section contains file attachment.
Resistance Warning:	INSECTICIDE RESISTANCE WARNING - GROUP 1A INSECTICIDE For insecticide resistance management EuroChem SENECA ULTRA 400 SP Insecticide is a Group 1A insecticide. Some naturally occurring insect biotypes resistant to EuroChem SENECA ULTRA 400 SP Insecticide and other Group 1A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if EuroChem SENECA ULTRA 400 SP Insecticide or other Group 1A insecticides are used repeatedly. The effectiveness of EuroChem SENECA ULTRA 400 SP Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, TGAC Australia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant insects. EuroChem SENECA ULTRA 400 SP Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, TGAC Australia Pty Ltd representative or local agricultural department agronomist.
Precautions:	Keep unprotected persons and animals out of operational areas during treatment and while there is a danger of drift. Avoid contact with spray residues. Re-Entry Period Do not allow entry into treated areas for at least 24 hours after treatment. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat and elbow length PVC gloves. Clothing must be laundered after each days use.
Protections:	PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures. Avoid drift by applying when wind velocity is low. PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Dangerous to birds, fish, stock and wildlife. Birds feeding on treated areas may be killed. Dangerous to bees. DO NOT spray any plants in flower while bees are foraging. Ensure beehives are removed from the area to be treated and from adjacent paddocks. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. DO NOT re-use container.

Storage and Disposal:	Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilizers. 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 for appropriate disposal 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.
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Safety Directions:	Very dangerous. Product is poisonous if absorbed by skin contact, inhaled or swallowed. Will irritate the eyes and skin. Repeated minor exposure may have a cumulative poisoning effect. Avoid contact with eyes and skin and clothing. When mixing and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC gloves, face shield and impervious footwear. If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product or spray on skin, immediately wash area with soap and 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, face shield and contaminated clothing.
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First Aid Instructions:	If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone e.g. Australia 131126; New Zealand 0800 764 766) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed. Advice to doctor: If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 11 26. If swallowed, give one atropine tablet every 5 minutes until dryness of the mouth occurs - if poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin thoroughly and give atropine tablets as above. Get to a doctor or hospital quickly.
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First Aid Warnings:	
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DIRECTIONS FOR USE

CROP	PEST	STATE	RATE	WHP (DAYS) H=Harvest G=Grazing	CRITICAL COMMENTS
Brassicas (Brussels sprouts, Cauliflower, Broccoli, Cabbages)	Cabbage white butterfly (<i>Pieris rapae</i>)	Qld, WA, NT only	60g/100L water or 600g/ha	1(H)	Apply when pests appear. Repeat depending on infestation. Ensure adequate spray penetration to obtain effective control of the pests.
		NSW, Vic, Tas, SA, WA only	600g or 1.2kg/ha		Apply at 5 -7 day intervals during the growth season when caterpillars first appear. Ensure adequate spray penetration to obtain effective control of the pests. Use higher rate on heavier infestations.
	Native budworm (<i>H.punctigera</i>)	Qld, NSW, Tas, SA, WA, NT only	800g or 1.2kg/ha		Apply when pests appear. Repeat depending on infestation. Ensure adequate spray penetration to obtain effective control of the pests. Use higher rate on heavier infestations.
	Cabbage centre grub (<i>Hellula hydralis</i>)	Qld, NSW, SA, WA, NT only	800g/ha		
	Cluster caterpillar (<i>Spodoptera litura</i>)	Qld, WA, NT only	600g/ha		
	Loopers (<i>Chrysodeixis subsidents</i>)	Qld, NSW, Vic, Tas, WA, NT only	800g/ha		

CROP	PEST	STATE	RATE	WHP (DAYS) H=Harvest G=Grazing	CRITICAL COMMENTS
Grapevines /grapes	Refer Critical Comments opposite				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. Concentrate spraying – Refer to the Application section in GENERAL INSTRUCTIONS .
	Light brown apple moth (<i>Epiphyas postvittana</i>) Vine moth (<i>Theretra oldenlandiae</i>)	All States	Dilute spraying 80g/100L water	7 (H)	Apply during early shoot growth/flowering if populations indicate and then just before bunches close if light brown apple moth is noted. Control at later stages of bunching is difficult. Apply when populations indicate a need for Vine moth

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

GENERAL INSTRUCTIONS :

EuroChem SENECA ULTRA 400 SP Insecticide is a soluble powder product packed in a water soluble measure pack to be dissolved in water for spray application. It is most effective when spray schedules are initiated on young insects. The lower rates are used on small larvae and light infestations, the higher rates on larger larvae and heavy infestations.

USE of WETTING AGENT

ALWAYS add a non-ionic agricultural wetting agent such as a 600g/L non-ionic surfactant at a rate of 25mL/100L of spray solution.

Mixing

Water Soluble Packs

Add the required number of EuroChem SENECA ULTRA 400 SP Insecticide in the water soluble measure packs to clean water in half filled spray tank with the agitator or by-pass in operation (do NOT use air agitation). Maintain agitation while filling tank with remainder of water. Add non-ionic wetting agents as recommended previously. Agitation must also be maintained throughout the spray operation.

Application

Apply when wind velocity is low, to avoid drift.

DO NOT apply as a fog or mist.

Proper timing and good coverage is essential for effective insect control.

Larvicidal : Apply at the recommended rates when the insects first appear and repeat as needed.

Apply the lower rates on small caterpillars and light infestations of insects. Use the higher rates on larger caterpillars and heavier infestations. Best control is obtained when spray schedules are initiated on young insects.

Ovicidal/Larvicidal : Use these rates only where crops are regularly monitored for eggs and larvae. Use the lower rate when eggs are present. Use the higher rate when heavy egg lays occur and/or when first to second instar are present (up to 5mm long). If large larvae are present (longer than 5mm) use the larvicide rates as recommended. This product may be used at ovicidal/larvicidal rates in conjunction with other recommended larvicides used to control other insects.

Ground Application

Apply as a coarse spray with low pressure ground equipment. Use sufficient water to obtain thorough, uniform coverage.

Special instructions for Tree Crops/Vines

Dilute Spraying

- 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 100L of water. Spray to the point of run-off.
- 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

- 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.
- 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 1500L/ha
 2. Your chosen concentrate spray volume: For example 500L/ha
 3. The concentration factor in this example is 3 X (I.E. $1500\text{L} \div 500\text{L} = 3$)
 4. If the dilute label rate is 10g/100L, then the concentrate rate becomes 3×10 , that is, 30g/100L of concentrate spray.
- The chosen spray volume, amount of product per 100L of water, and the sprayer set up and operation may need to be changed as the crop grows.
 - For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

Compatibility

This product can be mixed in the spray tank with one of the following insecticides : Chlorfos ®, Larvin ® 375. As the formulations of other manufacturers' products are beyond the control of TGAC Australia Pty Ltd all mixtures should be tested prior to mixing commercial quantities.