



82% of actual

APPROVED LABEL COPY



STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do NOT store for prolonged periods in direct sunlight.

Triple or preferably pressure 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 bury empty containers in a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Facial skin contact may cause temporary facial numbness. Avoid contact with eyes and skin. Avoid inhaling vapour or spray mist. When preparing spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves and face shield or goggles. 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, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. (Telephone: 13 11 26). If swallowed do NOT induce vomiting. Give a glass of water.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which can be obtained from the supplier.

CONDITIONS OF SALE

The use of this product is beyond the control of Genfarm (Aust) Pty Ltd. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Genfarm (Aust) Pty Ltd accepts no responsibility for any consequences resulting from the use of this product. Genfarm (Aust) Pty Ltd will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.

UN No.	ENVIRONMENTALLY HAZARDOUS SUBSTANCES,				
2002	LIQUID, N.O.S.				
3082	(CONTAINS ALPHA-CYPERMETHRIN)				
	MARINE POLLUTANT				
In a Transport Emergency Dial	SPECIALIST ADVICE IN EMERGENCY ONLY				
000	1 800 033 111				
Police or Fire Brigade	ALL HOURS - AUSTRALIA WIDE				
PG III	HAZCHEM 2X				







APVMA Approval No.: 58709/20/0604

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

Genfarm

CENTAUR 100

Insecticide

ACTIVE CONSTITUENT: 100 g/L ALPHA-CYPERMETHRIN SOLVENT: 755 g/L LIQUID HYDROCARBONS

INSECTICIDE GROUP

For the control of certain insect pests, including heliothis (Helicoverpa ssp.) on various crops, and red legged earth mite and blue oat mite on certain field crops and pastures, and certain insect pests on fruit and vegetable crops as indicated in the DIRECTIONS FOR USE table.

IMPORTANT: Read this leaflet before use



DIRECTIONS FOR USE

RESTRAINTS:



Do NOT apply if rain is expected within 6 hours of application. Asparagus - Do Not apply more than 6 times per season.

(Agrotis spp.)

Genfarm (Aust) Pty Ltd, Suite 3, Level 1, 64 Talavera Road, North Ryde, NSW, 2113. Tel: (02) 9889 5400

APVMA LABEL

APPROVED COPY



24 hours Australian wide.



Batch No.	DOM

APVMA Approval No.: 58709/0604

soil surface and feeding on the seedlings. Spray in the late afternoon or evening.

CROP	INSECT PESTS	STATE	RATE	WHP	CRITICAL COMMENTS
Asparagus (Not for use on White Asparagus)	Garden weevil (Phlyctinus callosus)	WA only	100 mL/ 100 L	1 day	Apply in spring after weevil emergence, at up to 500 L spray solution per hectare. Day time spraying is effective but superior control may be achieved if spray is applied at night. Repeat applications as required depending on pest pressure. Application to fern, after spear harvest may reduce carry-over of Garden weevil for the following season. Caution: Not for use on White Asparagus, there have been reports of some phytotoxicity when using Centaur.
Banksias	Banksia moth (Danima banksiae)		20 mL/100 L	•	Apply on a regular program at 2 week intervals at early flower development. Commence spraying when blooms are immature and continue until flowers are fully developed.
Broccoli, Brussels sprouts, Cabbages, Cauliflowers, inese cabbage, e, kabbbi, turnip	Cabbage moth (Plutella xylostella), Cabbage white butterfly (Piens rapae), Native budworm (Helicoverpa punctigera), Cotton bollworm (Helicoverpa armigera)	All States Qld, NSW, ACT.	400 mL/ha HIGH VOLUME	1 day (Harvest)	Apply according to pest incidence. When reinfestation is continuous, treatment every 7-10 days may be required. Add Conquest Wetter 1000 Wetting Agent at 30 mL per 100 L of spray mixture. LOW VOLUME: GROUND RIG APPLICATION: Apply in 100 to 600 L of water per hectare as a fine spray (ie. A droplet size of 100 to 200 microns). AERIAL APPLICATION: Apply in 20 to 60 L of water per hectare as a spray of 100 to 150 microns droplet size. HIGH VOLUME: Gradually increase the spray volume as the plants grow, from 600 L/ha just after transplanting to 1000 L/ha at maturity. Apply as a medium spray (ie. droplet size of 200 to 400 microns VMD). Helicoverpa
	Cluster caterpillar (Spodoptera litura)	Vic, WA, NT only	50 mL/100 L		armigera in NSW and Qld. Follow the application directions for the pest above. Apply as required according to pest incidence. Thorough and frequent crop checks are essential. Preferably apply to eggs. Apply to larvae only if they are less than 5 mm long.
Canola	Native budworm (Helicoverpa punctigera) Tobacco looper	NSW, Vic, Tas, WA only NSW, Vic, Tas,	200 or 300 mL/ha	21 days (cutting for Harvest or	Do NOT apply more than a total of 400 mL/ha per season to any one crop. Inspect the crop regularly during and immediately after flowering. Apply when damaging pest numbers first appear on the crop and repeat if necessary.

NOTE: This product is ineffective against synthetic pyrethroid resistant Helicoverpa armigera larvae longer than 5 mm. All Helicoverpa armigera in NSW and Qld should be treated as being

For aerial application, use a total volume of 30-35 L/ha and apply in the cooler part of the day. (Chrysodeixis argentifera) SA, WA only Stockfeed or Grazing) Use the higher rate if larvae longer than 10 mm are present. Crops should be inspected as they emerge. Border sprays are required to control invading adults. Vegetable weevil NSW, ACT, Vic. 400 mL/ha Genfarm Centaur 100 Insecticide should be applied when cotyledons and leaves are being eaten. Repeat (Listroderes difficilis) Tas, SA, WA only as necessary.

Apply according to pest incidence. Cabbage white butterfly (Pieris rapae) Cabbage moth (Plutella xylostella) Redlegged earth mite All States except 100 mL/ha Pre-emergence: Apply by ground rig only. Treat infested paddocks after sowing but prior to crop emergence when soil is moist. Monitor redlegged earth mite numbers and re-treat if necessary. Post-emergence: Apply when mite numbers reach damaging levels. (Halotydeus destructor) NT and Qld 50 mL/ha Redlegged earth mite (Halotydeus destructor), Do not apply as a pre-emergence treatment. Do NOT apply as a ULV application. Blue oat mite (Penthaleus major) Apply to open, less dense crops when numbers of newly hatched larvae first appear on the crop and Chickpeas WA only 160 mL/ha 21 days Native budworm (Helicoverpa punctigera) (Harvest) NSW, Vic, SA, 200 or 300 mL/ha 35 days Apply when pest numbers reach damaging levels and repeat if necessary. Use the higher rate if larvae WA only NSW, Vic, Tas, (Grazing) longer than 10 mm are present. Best results will be obtained by spraying at egg hatch. Pre-emergence: Apply by ground rig only. Treat infested paddocks after sowing but prior to crop emergence 100 mL/ha Redlegged earth mite when soil is moist. Monitor redlegged earth mite numbers and re-treat if necessary. (Halotydeus destructor) SA, WA only Do NOT apply as a ULV application
Apply when mite numbers reach damaging levels. Redlegged earth mite 50 mL/ha Do not apply as a pre-emergence treatment. (Halotydeus destructor). Blue oat mite Do NOT apply as a ULV application. (Penthaleus major) Check emerging and establishing crops in the late afternoon and evening for caterpillars crawling on the

75 mL/ha

	(Agrous spp.)				soil surface and feeding on the seedings. Spray in the late afternoon or evening.
Cotton	Native budworm (Helicoverpa punctigera)	Qid, NSW, WA, NT only			using rates appropriate for the infestation level determined.
	(melicoverpa puricugera)	N I OHIY	300 mL/ha	14 days	cide with egg hatching and before larvae are in protected feeding sites. Apply when there are up to 75 eggs and/or up to 5 larvae less than 5 mm long per 100 terminals.
			400 mL/ha	(Harvest)	Apply when there are up to 150 eggs and/or up to 10 larvae less than 5 mm long per 100 terminals and/or
			500 176		when larvae between 5 and 10 mm are present.
			500 mL/ha		Apply when there are more than 150 eggs and/or more than 10 larvae less than 5 mm long per 100 terminals and/or when larvae longer than 10 mm are present.
	Cotton bollworm	Qld, NSW, WA,	Preferably apply to	eggs. Apply to	larvae only if they are less than 5 mm long.
	(Helicoverpa armigera)	NT only	300 mL/ha	14 days	Apply when there are up to 75 eggs and/or more than 5 larvae less than 5 mm long per 100 terminals.
			400 mL/ha 500 mL/ha	(Harvest)	Apply when there are up to 150 eggs and/or up to 10 larvae less than 5 mm long per 100 terminals. Apply when there are more than 150 eggs and/or more than 10 larvae less than 5 mm long per 100 terminals.
	Rough bollworm		300 or 400 mL/ha		Apply when an average of 2 or more larvae are present per 100 bolls. It is essential to detect and treat
	(Earias huegeli)		355 51 155 11121111		infestations in the early stages before larvae are established or concealed in bolls deep in the canopy.
					Use the higher rate if larvae longer than 10 mm are present. Best results will be obtained by applying lat egg hatch.
Cereals	Cutworm	NSW, ACT, WA	75 mL/ha	7 days	Check emerging and establishing crops in the late afternoon and evening for caterpillars crawling on the
(Winter)	(Agrotis spp.)	only		(Harvest) 14 days (Stubble	soil surface and feeding on the seedlings. Spray in the late afternoon or evening.
		Qld only	75 or 150 mL/ha		In NSW, do NOT apply before May or after August. In QLD, use the higher rate when the infestation is severe, or when there are larvae longer than
		Gid Olly	10 01 100 III III	Grazing)	10 mm, or when longer residual activity is required.
	Webworm	NSW, Vic, SA,	75 mL/ha		Pre planting: May be applied with knockdown herbicides prior to planting.
	(Hednota spp.)	WA only			Apply from the last week in May when the larvae have emerged. Do NOT apply to dense pasture. All pasture should be closely grazed prior to application to ensure
					adequate spray penetration. Apply in a minimum of 100 L of water per hectare. Repeat as required.
					Post crop emergence:
	Common armyworm	All States	240 mL/ha		Inspect crop regularly from emergence and apply at first sign of pest activity. Repeat as required. Apply before "head lopping" occurs and when there are 2 or more larvae per square metre. Spray in
	(Mythimna convecta),	,			the cool of the day (usually late afternoon) when larvae are most active. Ensure the spray penetrates
	Southern armyworm (Persectania ewingii).	NSW, ACT, Vic.			the crop. This rate is effective on larvae up to 20 mm in length. Monitor crop closely and re-treat if necessary. Poor control may occur in crops that have lopped. See application section for water rates.
	(Persectania ewingii). Redlegged earth mite		100 mL/ha		Pre-emergence: Apply by ground rig only. Treat infested paddocks after sowing but prior to crop emergence
	(Halotydeus destructor)	Tas, SA, WA only			when soil is moist. Monitor Redlegged earth mite numbers and re-treat if necessary.
	Redlegged earth mite (Halotydeus destructor),	1	50 mL/ha		Apply when mite numbers reach damaging levels. Spray seedling crops if silvering or whitening (bleaching) of the leaves is causing a reduction in crop growth. If possible, spray on a calm, mild morning when mites
	Blue oat mite				are actively feeding on crop leaves. Do NOT apply as a pre-emergence treatment.
	(Penthaleus major)				
	Aphids (Rhopalosiphum spp.) (Barley		125 mL/ha		Post-emergence: To control aphids, sprays should be applied at 3 and 7 weeks after emergence to reduce aphid colonisation and the spread of Barley Yellow Dwarf Virus.
	Yellow Dwarf Virus Vectors)				This will also reduce the effect of feeding aphid damage.
Eucalypt plantations	Adults and larvae of Tasmanian	Tas only	250 mL/ha	-	Apply by fixed wing aircraft or by helicopter using hydraulic or Micronair equipment, to the crowns of
	eucalyptus leaf beetle				eucalypt trees. Micronair application in 5 litres of water/ha has proved effective. Apply before insect damage causes severe defoliation. Treatment will control small and large larvae as well as adult beetles.
Faba Beans	(Chrysophtharta bimaculata) Native budworm	WA only	160 mL/ha	4 weeks	Apply to open, less dense crops when numbers of newly hatched larvae first appear on the crop and
	(Helicoverpa punctigera)	NSW, Vic, Tas, SA, WA only		(Harvest)	repeat as necessary.
			200 or 300 mL/ha	35 days (Grazing)	Apply when pest numbers reach damaging levels and repeat if necessary. Use the higher rate if larvae longer than 10 mm are present. Best results will be obtained by spraying at egg hatch.
	Redlegged earth mite (Halotydeus destructor) Redlegged earth mite (Halotydeus destructor). Blue oat mite (Penthaleus major) Cutworm		100 mL/ha	(Grazing)	Pre-emergence: Apply by ground rig only. Treat infested paddocks after sowing but prior to crop emergence
					when soil is moist. Monitor Redlegged earth mite numbers and re-treat if necessary.
ŀ			50 mL/ha		Do NOT apply as a ULV application. Post-emergence: Apply to established crops when mite numbers reach damaging levels.
			JOHILI		Do NOT apply as a pre-emergence treatment.
					Do NOT apply as a ULV application.
}			75 mL/ha		Check emerging and establishing crops in the late afternoon and evening for caterpillars crawling on the
	(Agrotis spp.)				soil surface and feeding on the seedlings. Spray in the late afternoon and evening.
Field poas	Native budworm	WA only	160 mL/ha	4 weeks	Apply to open, less dense crops when numbers of newly hatched larvae first appear on the crop and
	(Helicoverpa punctigera)	NSW, Vic, Tas, SA, WA only	200 or 300 mL/ha		repeat as necessary. Apply when pest numbers reach damaging levels and repeat if necessary. Use the higher rate if larvae
 					longer than 10 mm are present. Best results will be obtained by spraying at egg hatch.
	Pea weevil (Bruchus pisorum)	NSW, ACT, Vic,	160 or 200 mL/ha		Apply during flowering prior to egg laying when the adult weevil population reaches one or more per 25 sweeps of a sweep net. Use the higher rate for longer residual protection.
	Cutworm	SA, WA, only NSW, ACT, SA,	75 mL/ha		Check emerging and establishing crops in the late afternoon and evening for caterpillars crawling on the
	(Agrotis spp.)	WA only			soil surface and feeding on the seedlings. Spray in the late afternoon and evening. Pre-emergence: Apply by ground rig only. Treat infested paddocks after sowing but prior to crop emergence when soil is moist. Monitor redlegged earth mite numbers and re-treat if necessary.
	Redlegged earth mite (Halotydeus destructor)	NSW, Vic, Tas, SA, WA only	100 mL/ha		
	, .aoiyaosa acanacioi)				Do NOT apply as a ULV application.
	Redlegged earth mite		50 mL/ha		Post-emergence: Apply to established crops when mite numbers reach damaging levels.
	(Halotydeus destructor). Blue oat mite				Do NOT apply as a pre-emergence treatment. Do NOT apply as a ULV application.
ļ <u>.</u>	(Penthaleus major)				
Grapevines (non-bearing)	Pink cutworm (Agrotis munda), Apple weevil (Curculio beetle)		100 mL/100 L	-	Monitor young vines during spring and early summer and apply at the first signs of leaf damage. Spray the leaves, canes and the soil around each vine to a diameter of 30 cm.
(non-seaming)					70-80 mL of dilute spray should be sufficient for each vine.
	(Otiorhynchus cribricollis),				If pest infestation persists, a second application may be required after three weeks.
	Garden weevil (Phlyctinus callosus)				
Lettuce	(Helicoverpa spp.) All States	LOW VOLUME	3 days	Thoroughly and regularly check the crop.	
			400 mL/ha	(Harvest)	Apply at the first sign of pest activity. Preferably apply to eggs.
			HIGH VOLUME 50 mL/100 L		Apply to larvae only if they are less than 5 mm long. Repeat according to pest incidence.
Linola	Native budworm	NSW, Vic, Tas,	160 or 200 mL/ha	12 weeks	Do NOT apply more than a total 400 mL/ha per season to any one crop. Inspect the crop regularly during
	(Helicoverpa punctigera)	SA, WA only		(Harvest)	and immediately after flowering. Apply when damaging pest numbers first appear on the crop.
	}				For aerial application, apply during the cooler part of the day in a total volume of 30-35 mL/ha. Use the higher rate if larvae longer than 10 mm are present.
Linseed			200 or 300 mL/ha	14 days	Inspect the crop regularly during and immediately after flowering. Apply when damaging pest numbers
				(Harvest)	first appear on the crop and repeat if necessary. Use the higher rate if larvae longer than 10 mm are
	Cutworm	NSW, ACT, Tas,	75 mL/ha		present. Best results will be obtained by spraying at egg hatch. Check emerging and establishing crops in the late afternoon and evening for caterpillars crawling on the
	(Agrotis spp.)	SA, WA only			soil surface and feeding on seedlings. Spray in the late afternoon and evening.
Luceme (Seed and	Native budworm	NSW, VIC, Tas,	160 mL/ha	14 days	Do NOT apply more than one application per cut for animal feed.
(Seed and forage crops)	(Helicoverpa punctigera) Green mirid	SA, WA only		(Grazing or cutting for	Apply when pest populations reach economically damaging levels. Apply to larvae less than 5 mm in length.
	(Creontiades dilutus)			Stockfeed)	"
	· · · · · · · · · · · · · · · · ·				

CROP	. PEST CONTROLLED	STATE	RATE	WHP	CRITICAL COMMENTS
Lupins	Native budworm (Helicoverpa punctigera)	NSW, ACT, Vic, SA only	200 or 300 mL/ha	4 weeks (Harvest)	Apply when damaging pest numbers first appear on the crop and repeat if necessary. Use the higher rate if larvae longer than 10 mm are present. Best results will be obtained by spraying at egg hatch.
*		WA only	120 or 200 mL/ha		Spraying should be timed to precede the first visible damage to the pods. Use the higher rate when the infestation is severe, or when residual activity is required.
	Cutworm (Agrotis spp.)	NSW, ACT, Vic, Tas, SA, WA only	75 mL/ha		Check emerging and establishing crops in the late afternoon and evening for caterpillars crawling on the soil surface and feeding on seedlings. Spray in late afternoon and evening.
	Common armyworm (Mythimna convecta),	NSW, ACT, WA only	160 mL/ha		Spray in the cool of the day (late afternoon) when larvae are most active.
	Southern armyworm (Persectania ewingii)				
	Redlegged earth mite (Halotydeus destructor)	NSW, Vic, Tas, SA, WA only	100 mL/ha		Pre-emergence: Apply by ground rig only. Treat infested paddocks after sowing but prior to crop emergence when soil is moist. Monitor Redlegged earth mite numbers and re-treat if necessary.
	Redlegged earth mite	-	50 mL/ha		Do NOT apply as a ULV application. Post-emergence: Apply to established crops when mite numbers reach damaging levels.
	(Halotydeus destructor), Blue oat mite				Do NOT apply as a pre-emergence treatment. Do NOT apply as a ULV application.
Maize	(Penthaleus major) Corn earworm	Qld, NSW, ACT,	300 or 400 mL/ha	7 days	Thoroughly and regularly check the crop. Apply from early silking according to pest incidence.
	(Helicoverpa armigera) Native budworm	Vic, NT, WA only All States		(Harvest)	Use the higher rate if larvae longer than 10 mm are present. In Qld, NSW and NT, preferably apply to eggs or apply to larvae only if they are less than 5 mm long.
	(Helicoverpa punctigera)				Thoroughly and regularly check the crop. Apply when infestation reaches an economically damaging level and repeat if necessary. Best results will be obtained by applying at egg hatch.
Mung beans,	Native budworm	Qld, NSW, WA,			Use the higher rate if larvae longer than 10 mm are present. Crop checking should be aimed to detect larvae as they hatch. Small larvae are easier to kill than large
navy beans	(Helicoverpa punctigera)	ACT, NT only			larvae. Apply when the number of larvae feeding on flowers or pods reach 1 to 2 per metre of row. Repeat as required. Use the higher rate when larvae larger than 10 mm are present or when canopy is dense.
	Corn earworm	-			Best results will be obtained by spraying at egg hatch. Thoroughly and regularly check the crop. Apply when the infestation reaches an economically damaging
Pastures	(Helicoverpa armigera)	NCM Vio Too	160 mL/ha	2 days	level and repeat as required. Preferably apply to eggs. In Qld and NSW, apply to larvae only if they are less than 5 mm long. Use the higher rate when pest pressure is high.
(Legume and grass based	Wingless grasshopper (Phaulacridium vittatum)	NSW, Vic, Tas, WA only	160 mina	3 days (Grazing) 14 days	Do NOT apply more than a total 320 mL/ha per season. Apply to infested areas and repeat as necessary. Spraying is most effective on newly emerged hoppers before they begin dispersing. Later sprays should be applied before the start of egg laying. Good coverage is essential.
pastures)	Brown pasture looper (Ciampa arietaria)	NSW, Vic, Tas, SA, WA only	50 mL/ha	(Cut for Stockfeed)	Apply when pest infestation reaches an economically damaging level.
	Blackheaded pasture cockchafer	••Aoilly	100 mL/ha	Olockieeu)	Spraying is most effective when larvae are detected and treated early. Suspect paddocks so be dug after the first substantial rain in April/May and inspected to ensure grubs are present in sufficient
	(Aphodius tasmaniae) Redlegged earth mite	ACT, NSW, Vic.			numbers to warrant treatment. Spraying after June will give poorer results. Pre-emergence: Apply by ground rig only. Treat infested paddocks after sowing but prior to crop
	(Halotydeus destructor)	Tas, SA, WA only			emergence when soil is moist. Monitor Redlegged earth mite numbers and re-treat if necessary. Do NOT apply as a ULV application.
	Redlegged earth mite (Halotydeus destructor),	NSW, ACT, Vic, Tas, SA, WA only	50 mL/ha		Post-emergence: Apply when mite numbers reach damaging levels. Autumn/Winter: Apply 4 to 7 weeks after the opening rains in late autumn/early winter when RLEM are
	Blue oat mite (Penthaleus major)				present (2-3 weeks after egg hatch occurs). Genfarm Centaur 100 Insecticide is rainfast after spray deposits have dried on the leaf surface. Genfarm Centaur 100 Insecticide can be mixed with herbicides
					used for winter cleaning of sub clover pastures. Consult the compatibility section of this label for details.
					Spring: If RLEM/BOM numbers increase in the spring, spray again before diapuse egg production begins. Genfarm Centaur 100 Insecticide can be mixed with herbicides used for spray topping pastures. Consult
					the compatibility section of this label for details. Do NOT apply as a ULV application.
Pome fruit: Apples,	Apple weevil (Otiorhynchus cribricollis),	NSW, Vic, SA, WA only	100 mL/100 L water	14 days (Harvest)	Spray approx. 1-2 litres of solution onto the crotch, trunk and the soil at the base of each tree at peak weevil emergence. This is usually late October - late November for Garden weevil, and late November
Pears.	Garden weevil (Phlyctinus callosus)			·	- mid December for Apple weevil. Monitor weevil emergence using a single sided cardboard trunk band. Continue monitoring after spraying as a second spray may be needed 3-4 weeks later.
Rice (both aerial	Common armyworm (Mythimna convecta)	NSW only	200 mL/ha	7 days	Do NOT apply more than a total 400 mL/ha per season to any one crop. Inspect crops regularly for the presence of grubs from flowering onwards. Apply when rice damaging pest numbers first appear. Apply
and drill sown)					by aircraft in 20-30 litres of water/ha, to drained fields only. Spray in the cool of the day (early morning or late afternoon) when larvae are most active.
Sorghum	Com earworm (Helicoverpa armigera),	Qld, NSW, ACT, NT, WA only	300 от 400 mL/ha	7 days (Harvest)	Crop checking should commence when the head emerges from the boot and continue at daily intervals until the end of flowering for midge and at weekly intervals until maturity for Helicoverpa armigera. Do NOT
	Native budworm (Helicoverpa punctigera)				apply to tight headed varieties. Apply when there are 2 or more actively feeding larvae per head, or w' numbers are sufficient to cause economic damage. Use the higher rate if longer residual contro!nuir. Preferably apply to eggs. Apply to larvae only if they are less than 5 mm long. Repeat as req
	Sorghum midge (Contarinia sorghicola)	_	100 or 200 mL/ha		Apply when numbers reach 1 to 2 per head, between head emergence and the end of flowering. Repeat as required. Use the higher rate for increased residual protection.
Soybeans	Native budworm (Helicoverpa punctigera)		300 or 400 mL/ha		Thoroughly and regularly check the crop. Apply when the number of larvae feeding on flowers plus pods reaches 1 to 2 per metre of row. Repeat as required. Use the higher rate if larvae longer than 10 mm
	Corn earworm	-			are present. Best results will be obtained by applying at egg hatch. Thoroughly and regularly check the crop. Apply when numbers are sufficient to cause economic damage.
	(Helicoverpa armigera)				Preferably apply to eggs. In Qld and NSW, apply to larvae only if they are less than 5 mm long. Repeat as required. Use the higher rate when pest pressure is high.
Stone fruit: Apricots,	Apple weevil (Otiorhynchus cribricollis),	WA only	100 mL/100 L water	14 days (Harvest)	Spray approximately 1-2 litres of solution onto the crotch, trunk and soil at the base of each tree at peak weevil emergence. This is usually late October - late November for Garden weevil, and late November
Nectarines, Peaches, Plums.	Garden weevil (Phlyctinus callosus)			, ,	- mid December for Apple weevil. Monitor weevil emergence using a single sided cardboard trunk band. Continue monitoring after spraying as a second spray 3-4 weeks later may be needed.
Sunflowers			If application is nec	essary at flowe	dequate pollination, application during flowering should be avoided. ring apply early morning or late afternoon when bees are not actively foraging.
	Native budworm (Helicoverpa punctigera)	Qld, NSW, Vic, ACT, NT, WA only	300 or 400 mL/ha	21 days (Harvest)	Crop checking should be aimed to detect larvae as they hatch. Small larvae are easier to kill than large larvae. Apply when the infestation reaches an average of 2-3 larvae per head or when economic damage
	:				is occurring. Repeat as required. Apply before the heads turn downwards to ensure adequate coverage. Use the higher rate if larvae longer than 10 mm are present. Best results will be obtained by applying at
	Corn earworm	1			egg hatch. Thoroughly and regularly check the crop. Apply when numbers are sufficient to cause economic damage. Professibly apply to gars, in NSW and Old, apply to large only if they are less than 5 mm long. Report
it.	(Helicoverpa armigera) Grey cluster bug				Preferably apply to eggs. In NSW and Qld, apply to larvae only if they are less than 5 mm long. Repeat as required. Use the higher rate under heavy pest pressure. Apply from budding when adult numbers per plant reach 10 to 15 in dryland crops and 20 to 25
	(Nysius clevelandensis), Rutherglen bug				Repeat as required. The higher rate should be used when numbers on the face of heads reach 20 to 25.
	(Nysius vinitor) Rutherglen bug	Vic, Tas, WA only	250 mL/ha		Apply from budding when adult numbers per plant reach 10 to 15 in dryland crops and 20 to 25 in irrigated
Sweet com	(Nysius vinitor) Native budworm	All States	300 or 400 mL/ha	7 days	crops. After flowering, apply when adult numbers on the face of heads reach 20 to 25. Repeat as required. Thoroughly and regularly check the crop. The level of cob damage tolerated varies with market requirements.
	(Helicoverpa punctigera), Com earworm			(Harvest)	FRESH MARKET CORN: Apply at 5-8 day intervals, accordingly to pest incidence, from tassel emergence until the silks wither.
	(Helicoverpa armigera)				PROCESSING CORN: Apply from early silking according to pest incidence. Larvae in protected feeding sites within the cob are not effectively controlled. Apply before this situation occurs.
					Best results will be obtained by applying at egg hatch. Use the higher rate if larvae longer than 10 mm are present. To help contain pyrethroid resistance in <i>Helicoverpa armigera</i> in summer crops,
Tobacco	Native budworm	Vic, WA only	30 or 40 mL/100L		do NOT apply to corn earworm longer than 5 mm. Apply from just after transplanting on a 7 to 10 day schedule, according to pest incidence. Apply as a
-	(Helicoverpa punctigera), Tobacco budworm				medium to fine spray using hollow and/or solid cone nozzles. The spray volume should be gradually increased as the plants grow, from 200 L/ha just after transplanting to 1000 L/ha at maturity. Use the
Tomatoes	(Helicoverpa armigera) Native budworm (Helicoverpa punctinera)	All States	LOW VOLUME:	1 day	higher rate when larvae longer than 10 mm are present or when egg laying is intense. Do NOT apply to trellis tomatoes by aircraft.
(bush and trellis)	(Helicoverpa punctigera) Tomato grub	Vic, Tas, SA,	200, 300 or 400 mL/ha HIGH VOLUME :	(Harvest)	Apply on a 7 to 10 day schedule while the pests are active. Use the middle rate when pest activity is high and/or when larvae between 10 and 20 mm in length are present. Use the highest rate when larvae longer than 20 mm are present and/or when interruption of the schedule enables a very severe infestation to
	(Helicoverpa armigera)	WA only	20, 30 or 50 mL/100 L		develop. LOW YOLUME: By ground-rig: Apply in 100 to 400 L of water per hectare as a fine spray.
	Cluster caterpillar (Spodoptera litura)	Qld, NSW, ACT, WA, NT only	50 IND 100 E		By aircraft: Apply in a minimum of 10 L of water per hectare as a snray. By aircraft: Apply in a minimum of 10 L of water per hectare as a spray of 100 to 150 microns VMD. HIGH VOLUME: Apply as a medium to fine spray. Gradually increase the spray volume as the plants
	Tomato grub	Qld, NSW, NT	LOW VOLUME:		grow, from 200 L/ha just after transplanting establishment to 1000 L/ha at maturity. Thoroughly check the crop at 2-3 day intervals from transplanting/emergence.
	(Helicoverpa armigera)	only	300 mL/ha HIGH VOLUME:		Apply according to pest incidence. Preferably apply to eggs. Apply to larvae only if they are less than 5 mm long.
	Plague thrips	Qld, NSW, ACT,	30 mL/100 L LOW VOLUME:		Apply using the methods described for native budworm above. The crop should be frequently checked when it is flowering for the presence of the pest.
	(Thrips imaginis)	Vic, Tas, WA, NT only	130 mL/ha HIGH VOLUME:		Apply when the infestation reaches an economically damaging level, using the application methods described for native budworm above.
<u> </u>			18 mL/100 L		

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

WITHHOLDING PERIODS: Compatibility This product is compatible with AZODRIN*400, Dithane+M45, Kelthane+EC, Kocide+, NUDRIN* Asparagus, Broccoli, Brussels Sprouts, Cabbages, Cauliflowers, Chinese Cabbage, Kale, Kohlrabi,

Genfarm Centaur 100 Insecticide is a contact and residual insecticide. It can be used as a protective treatment when applied at regular intervals or as a knockdown treatment to control existing infestations. Insecticide Resistance Warning

Tomatoes, Turnips: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.

Pastures: DO NOT GRAZE FOR 3 DAYS AFTER APPLICATION.

DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.

DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

Winter Cereals: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

Chickness: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.

Sunflowers: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.

Field Peas, Lupins: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION. Faba Beans: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.

DO NOT HARVEST FOR 12 WEEKS AFTER APPLICATION.

Maize, Mung Beans, Navy Beans, Rice, Sorghum, Soybeans, Sweet Corn, Tobacco:

DO NOT CUT FOR STOCKFEED FOR 14 DAYS AFTER APPLICATION.

DO NOT GRAZE TREATED STUBBLE FOR 14 DAYS AFTER APPLICATION.

Cotton, Linseed, Pome Fruit Stone Fruit: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

DO NOT GRAZE OR CUT FOR STOCKFEED FOR 14 DAYS AFTER APPLICATION.

DO NOT GRAZE OR CUT FOR STOCKFEED FOR 21 DAYS AFTER APPLICATION. DO NOT CUT AND WINDROW FOR HARVEST FOR 21 DAYS AFTER APPLICATION.

DO NOT GRAZE OR CUT FOR STOCKFEED FOR 35 DAYS AFTER APPLICATION.

DO NOT GRAZE OR CUT FOR STOCKFEED FOR 35 DAYS AFTER APPLICATION.

GROUP 3 A INSECTICIDE For insect resistance management Genfarm Centaur 100 Insecticide is a Group 3A Insecticide. Some

GENERAL INSTRUCTIONS

naturally occurring insect biotypes resistant to Genfarm Centaur 100 Insecticide and other Group 3A Insecticides may exist through normal genetic variability in any insect population. The resistant individuals

individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use. Genfarm (Aust) Ptv Ltd accepts no liability for any losses that may result from the failure of Genfarm Centaur 100 Insecticide to control resistant insects. Genfarm Centaur 100 Insecticide may be subject to specific resistance management strategies. For further

can eventually dominate the insect population if Genfarm Centaur 100 Insecticide or other Group 3A

Insecticides are used repeatedly. The effectiveness of Genfarm Centaur 100 Insecticide on resistant

In NSW and Qld, application of this product to Helicoverpa armigera larvae longer than 5 mm may not only be ineffective but it may increase the level of synthetic pyrethroid resistance.

information contact your local supplier, Genfarm (Aust) Pty Ltd representative or local agricultural department

This product should NOT be used to treat infestations that were not controlled by an earlier application of it or another synthetic pyrethroid. Infestations not controlled by this product should be treated with an insecticide from another chemical

group. Application of this product with an insecticide from another chemical group such as NUDRIN* will assist with the management of synthetic pyrethroid resistant Helicoverpa armigera.

Mixing Add the required quantity of Genfarm Centaur 100 Insecticide to water in the spray tank and mix thoroughly. Maintain agitation during mixing and application.

agronomist.

Linola:

Application Genfarm Centaur 100 Insecticide can be applied by ground or aircraft. Thorough coverage is essential

Ground Application -For low volume spraying of field crops with ground rigs, use a total volume of 50-200 L/ha except for sweet

com, tomatoes and tobacco where higher volumes should be used. Drop arms should be used on ground rigs in row crops taller than 30 cm (0.3 m). The application should be made as a fine spray, preferably using hollow cone nozzles, unless directed in the Critical Comments.

to ensure adequate control. Apply during the cooler parts of the day or night.

Aerial Application -Do NOT apply to trellis tomatoes by aircraft. Use at least 10 L/ha of total spray volume. If possible, spray in a crosswind. Avoid spraying in calm conditions or when wind is light and variable in direction. Apply as a spray of 100-150 microns VMD.

PROTECTION OF LIVESTOCK

relating to their use.

agitated efficiently and used immediately.

Dangerous to bees. Do NOT spray on any plants in flower while bees are foraging. Genfarm Centaur 100

Insecticide is known to have a deterrent effect on foraging bees for a short period of time after spraying.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

to fish or crustaceans in adjacent sites. STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do NOT store for prolonged periods

in direct sunlight.

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

If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If not

not be burnt. SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Facial skin contact may cause temporary facial

numbness. Avoid contact with eyes and skin. Avoid inhaling vapour or spray mist. When preparing spray,

wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves and face

shield or goggles. If product in eyes, wash it out immediately with water. After use and before drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each

wash gloves, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Telephone: 13 11 26). If swallowed

do NOT induce vomiting. Give a glass of water. MATERIAL SAFETY DATA SHEET.

INSECTICIDE, NUDRIN*225, Parathion 500*, Predator+300, Ridomil+, Wuxal+, Select*.

Read the label of any chemicals being mixed with this product, and follow all instructions and

DO NOT mix Genfarm Centaur 100 Insecticide with wettable powders and WDG's BEFORE addition to

spray tank. Genfarm Centaur 100 Insecticide can be mixed with Dithane WDG providing the mixture is

Dangerous to fish and aquatic invertebrates such as yabbies. Do NOT contaminate streams, rivers or

waterways with the chemical or used containers. Drift and run-off from treated areas may be hazardous

available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should

Additional information is listed in the Material Safety Data Sheet which can be obtained from the supplier.

CONDITIONS OF SALE

The use of this product is beyond the control of Genfarm (Aust) Pty Ltd. No warranty is expressed or

implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Genfarm

(Aust) Pty Ltd accepts no responsibility for any consequences resulting from the use of this product. Genfarm (Aust) Pty Ltd will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.