'Best Bet' IPM strategy



Winter pulse pests – Southern region

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	Post harvest, pre-sowing	Establishment - vegetative	Flowering - maturity
Aphid vectors and	Control green bridge (in	Assess risk of aphid outbreak.	Conserve and monitor beneficials that suppress aphids.
virus source	fallows)	High risk when:	
		warm, mild conditions	Use of broad spectrum pesticides may flare aphids. Check post-application for signs
	Sow virus-free seed	 abundant weed hosts 	of flaring.
		 nearby food sources e.g. clover/medic 	
	Sowing into standing stubble	Aim to close canopy and minimise gaps to	
	may reduce aphid landing.	outcompete infected plants.	
Aphids – direct	Remove green bridge (aphid	Control in-crop weeds to minimise sources	Monitoring:
damage (not virus)	hosts) to minimise build up	of aphids.	Conserve and monitor beneficials that suppress aphids.
• Cowpea	during autumn and spring.	Beneficials suppress low populations and	If control is required, use soft options (e.g. pirimicarb). Use of broad spectrum
Green peach		reduce the chance of outbreaks.	pesticides may flare aphids. Check post-application for signs of flaring.
Blue-green	Sowing into standing stubble	High nitrogen may make the crop more	p
Pea aphid	may reduce aphid landing and	attractive to aphids.	Note: knowledge of damaging levels is limited.
- I ca apina	delay aphid build up in crops.	attractive to aprillas.	
Pea weevil (PW)	,		Monitoring:
, ,			Use temperature model to predict timing of movement.
			Monitor paddock edges, and nearby sheds and trees.
			Management:
			Control PW adults before they lay eggs on developing pods.
			Border spray (40 m) should be sufficient for control.
			Aim for early harvest, before PW start to emerge from infested seed.
			Graze paddocks to remove infested grain.
			Area-wide management advantageous.
Helicoverpa	Pupae-bust where large		Monitor for moths:
rielicovel pa	populations of <i>H. armigera</i>		H. punctigera: from mid-late winter, using pheromone traps or at night. High risk
	have pupated, particularly in		scenarios include wet winter in inland breeding areas, large moth flights detected,
	regions where summer		or wet conditions in spring extend the period of crop susceptibility
	cropping follows winter crop		H. armigera: from spring (Oct-Nov), using pheromone traps or the Cottassist
	(e.g. irrigated areas).		Emergence model.
	(e.g. irrigated areas).		If high risk:
			Timely monitoring of susceptible crops is critical. Continue until crop is dry and
			unattractive, or harvested. Ensure post treatment checks are made
			·
			Use thresholds to guide spray decisions. Use soft entire first, particularly if applies are present. Consider highering.
			Use soft options first, particularly if aphids are present. Consider biological inceptibilities (Pt or NP)() to control great large (7 pers).
			insecticides (Bt or NPV) to control small larvae <7 mm.