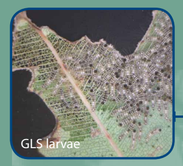
Common insect pests of Western Australia's Southern Jarrah Forests


GLS larvae

GLS larvae

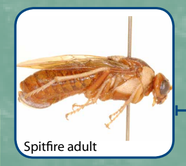
GLS leaf damage and moulting casts

GLS advanced stage larva

Helena gum moth larva

Helena gum moth adult

Spitfire larvae


Spitfire adult

Autumn gum moth early larvae and leaf damage

Autumn gum moth larvae

Catasarcus sp.

Amorbus adult

External damage on Karri

Phoracantha acanthocera

Adult bullseye borer emergence hole

			SPRING												SUMMER												AUTUMN												WINTER												
			Sept				Oct				Nov				Dec				Jan				Feb				Mar				April				May				June				July				Aug				
	PEST	DAMAGE	LIFE STAGE	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	HOSTS/ PEST NOTES
OUTBREAK DEFOLIATORS	**GLS**		Adult																																																Southern jarrah forest. Jarrah, Marri, Blackbutt & Flooded gum
	Uraba lugens	Mature leaves	Egg																																															
		Skeletonizing and chewing	Larvae																																															
	JLM	Young and mature leaves	Adult																																															Throughout the range of jarrah and Flooded gum
	Perthida glyphopa	Leaf mines	Egg																																														
			Larvae																																															
	Helena gum moth	Leaf chewer	Adult																																															Jarrah, Karri & Marri.
	Opodiphthera helena		Egg																																														Adults have been caught in March, precise timing of life cycle uncertain.
			Larvae																																														
	Cup moth		Adult																																														Jarrah, Marri, and Flooded gum
	***Doratifera* spp**	Leaf chewer	Egg																																														
			Larvae																																															
	Spit fires		Adult																																													Most eucalypts
	***Perga* spp**	Leaf chewer	Egg																																												
			Larvae																																														
	Leaf Blister Sawfly	Larvae live between leaf lamina	Adult																																													Most eucalypts. Timing and number of generations varies according to local climate regime.
	Phylateophaga froggatti	in blister like cells	Egg																																													
			Larvae																																													
OTHER DEFOLIATORS	**Autumn gum moth**	Juvenile Leaves	Adult																																													Larvae live gregariously in protective bags made from leaves of the host plant
	Mnesampela privata	Skeletonizing and chewing	Egg																																												
			Larvae																																													
	Weevils		Adult																																												Most eucalypts. Adults and damage most evident in autumn. Larvae cover themselves in faecal material.
	Gonipterus* & *Oxyops	Leaf chewers	Egg																																												
		New and old leaves	Larvae																																												
	***Catasarcus* spp**	Leaf chewers	Adult																																												Most eucalypts. Leaves chewed in scalloped pattern on leaf margins.
		New and old leaves	Egg																																												
			Larvae																																													
	Leaf beetles	Prefer juvenile leaves	Adult																																												Larvae can resemble spit-fires and have a similar behaviour on the leaf.
	Chrysomelidae	both larvae and adults feed on leaves	Egg																																											
			Larvae																																													
SAP SUCKERS (BUGS)	***Amorbus* sp**	Young shoots; tip death	Adult																																													Wide host range. Includes eucalypts and *Agonis* sp. Adults hibernate in winter in cool areas
			Egg																																													
			Nymph																																													
	Psyllids	liquid feeders of xylem or phloem	Adult																																													Ubiquitous
	Leaf hoppers	cause discoloured patches on leaves	Egg																																												
			Nymph																																													
WOOD BORERS	**Bulls-eye borer**	2 year life cycle	Adult																																												Jarrah, Marri, Flooded gum, Karri and Blackbutt
	Phoracantha acanthocera	wood borer	Egg																																												
			Larvae																																													
	Eucalypt longicorn	wood borer	Adult																																													Ubiquitous Dying and newly dead eucalypts
	Phoracantha semipunctata	Engravings under bark	Egg																																											
			Larvae																																													

JLM early leaf damage

JLM late stage leaf damage

Cup moth larva

Cup moth adult

Leaf blister sawfly leaf damage

Leaf blister sawfly larva

Oxyops sp.

Weevil leaf damage

Gonipterus sp.

Weevil larva

Leaf beetle larvae

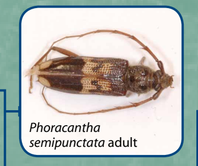
Leaf beetle adult

Psyllids

Leaf beetle adult

Leaf hopper adults

Leaf hopper adult


Phoracantha semipunctata adult

Larval tunnels of *Phoracantha semipunctata*

Presence | Damage period | High damage period | Uncertain | Multiple species with differing life cycles

Department of Parks and Wildlife