

Important Pacific Insect Pests of Sugar Cane¹

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SUGAR CANE is commercially grown in Hawaii, Fiji, Queensland, Java, the Philippines, and Formosa. From extensive published records, some 257 insect species are known to attack cane within these several areas. The following sum-

mary will indicate only those species which have been reported as important, either occasionally or continuously, together with the nature of attack and the countries affected.

STALK BORERS

LEPIDOPTERA

Eucosmidae	<i>Eucosma schistaceana</i> Sn.	Formosa, Java, Philippines, Guam
Pyrilidae	<i>Chiloatraea infuscatella</i> Sn.	Formosa, Java, Philippines
	<i>Proceras venosatus</i> Wlk.	Formosa, Java, Philippines
Agrotidae	<i>Scirpophaga nivella</i> F.	Formosa, Java, Philippines
	<i>Emmalocera umbricostella</i> Rag.	Formosa
	<i>Sesamia inferens</i> Wlk.	Formosa, Java, Philippines
	<i>Sesamia uniformis</i> Dudg.	Philippines
	<i>Phragmatiphila truncata</i> Wlk.	Queensland, New Guinea

COLEOPTERA

Curculionidae	<i>Rhabdoscelus obscurus</i> Boisd.	Hawaii, Fiji, Queensland, New Guinea
Prionidae	<i>Trochorrhopalus strangulatus</i> Gyll.	Philippines, Fiji, New Guinea
	<i>Dorysthenes hydropicus</i> Pascoe	Formosa

ISOPTERA

<i>Heterotermes philippinens</i> Light	Philippines
<i>Mastotermes darwiniensis</i> Frogg	Queensland
<i>Termes meredionalis</i> Frogg	Queensland
<i>Macrotermes gilvus</i> Hag.	Philippines, Java
<i>Capritermes nitobei</i> Shir.	Formosa
<i>Odontotermes formosanus</i> Shir.	Formosa
<i>Reticulitermes speratus</i> Kolbe	Formosa

DESTRUCTIVE TO SEED PIECES

COLEOPTERA

Elateridae	<i>Lacon musculus</i> Cand.	Formosa
	<i>Melanotus tamsuyensis</i> Bates	Formosa
	<i>Sephilus formosanus</i> Schwarz	Formosa
	<i>Lacon variabilis</i> Cand.	Queensland
Tenebrionidae	<i>Eutochia lateralis</i> Boh.	Java, Hawaii, Philippines

SAP SUCKERS ON LEAF OR STALK

HEMIPTERA

Lygaeidae	<i>Phenacantha australica</i> Kirk.	Queensland
	<i>Phenacantha saccharicida</i> Karsch	Java
	<i>Phenacantha marcida</i> Horv.	Formosa
	<i>Ischnodemus saccharivorus</i> Okajima	Formosa

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Coccidae	<i>Aulacaspis tegalensis</i> Zhnt. <i>Aulacaspis madiunensis</i> Zhnt. <i>Saccharicoccus sacchari</i> Ckll.	Formosa, Java, Philippines Queensland, Java Queensland, Java, Formosa, Philippines, Hawaii, Fiji
Aphididae	<i>Oregma lanigera</i> Zhnt. <i>Rhopalosiphum maidis</i> Fitch <i>Abhis sacchari</i> Zhnt.	Java, Formosa, Philippines, New Guinea Hawaii, Philippines, Java, Queensland, Formosa, Fiji Hawaii, Philippines, Java, Queensland, Formosa
Aleurodidae	<i>Neomaskellia bergii</i> Sign.	Formosa, Philippines, Java, Queensland, Fiji, New Guinea
Derbidae	<i>Proutista moesta</i> Westw.	Philippines, Formosa, Java, Guam
Delphacidae	<i>Perkinsiella saccharicida</i> Kirk. <i>Perkinsiella vitiensis</i> Kirk. <i>Perkinsiella vastatrix</i> Bredd.	Queensland, Formosa, Java, Hawaii Fiji, Samoa Formosa, Java, Philippines

DESTRUCTIVE TO ROOTS AND UNDERGROUND PARTS

ORTHOPTERA		
Gryllotalpidae	<i>Gryllotalpa formosana</i> Shiraki	Formosa
COLEOPTERA		
Curculionidae	<i>Tanymecus circumdatus</i> Wied. <i>Episomoides albinus</i> Mats.	Formosa Formosa
Melolonthidae	<i>Ancylonycha borisbana</i> Niijima and Kinoshita <i>Ancylonycha vidua</i> Sharp <i>Ancylonycha helleri</i> Brenske <i>Ancylonycha leucophthalma</i> Wied. <i>Lepidiota stigma</i> Fabr. <i>Lepidiota trichosterna</i> Lea <i>Lepidiota frenchi</i> Blackb. <i>Leucopholis rorida</i> Fabr. <i>Leucopholis irrorata</i> Chevr. <i>Dermolepida albobirtum</i> Waterh. <i>Apogonia destructor</i> H. Bos <i>Rhopaea vestita</i> Arrow <i>Pseudoholophylla furfuracea</i> Burm.	Formosa Philippines, Java Java Java Java Queensland Queensland Java Philippines Queensland Java Fiji Queensland
Rutelidae	<i>Anomala limbifera</i> Ohaus <i>Anomala humeralis</i> Burm. <i>Anomala annoguttata</i> Burm. <i>Anomala orientalis</i> Waterh. <i>Euchlora pulchripes</i> Lansb. <i>Euchlora viridis</i> Fabr. <i>Anoplognathus boisduvali</i> Boisd.	Formosa Philippines Philippines Hawaii Java Java Queensland
Dynastidae	<i>Alissonotum impressicole</i> Arrow <i>Alissonotum crassum</i> Arrow <i>Alissonotum pauper</i> Burm.	Formosa Formosa Formosa, Philippines

LEAF DEFOLIATORS

ORTHOPTERA		
Acrididae	<i>Oxya chinensis</i> Thunb. <i>Locusta migratoria migratorioides</i> Rch. & Fairm. <i>Locusta migratoria manilensis</i> Meyen <i>Locusta cinerascens</i> F. <i>Locusta migratoria solitaria</i> F. <i>Hieroglyphus annulicornis</i> Shiraki <i>Gastrimargus musicus</i> F.	Hawaii Philippines, Queensland Philippines, Formosa Philippines Formosa, Queensland, Fiji, Guam Formosa Queensland
LEPIDOPTERA		
Pyralidae	<i>Hedylepta accepta</i> Butl.	Hawaii
Agrotidae	<i>Pseudaletia unipuncta</i> Haw. <i>Spodoptera exempta</i> Wlk. <i>Cirphis loreyi</i> Dup.	Philippines, Hawaii, Fiji, Queensland, Formosa, Java Philippines, Queensland, Hawaii Philippines, Java, Fiji, Queensland, Formosa