



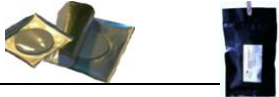

# Technical Bulletin for: Square-necked Grain Beetle

*Cathartus quadricollis* (Guérin-Ménéville) • Coleoptera, *Silvanidae* • CATQUA



<b>DISTRIBUTION</b>	Native to South America, now widely distributed worldwide. United States (especially in southern regions), Mexico, and Hawaii.
<b>HOSTS</b>	Maize, sorghum, cowpea, melon, wheat, and other grains in storage.
<b>DESCRIPTION</b>	
<b>ADULT</b>	Reddish-brown, 2-3.5 mm in length.
<b>LARVAE</b>	There are roughly 5 instars of this larva, are creamy yellowish-white in color with an amber head.
<b>EGGS</b>	Small, slender and white about 2.54 mm in length
<b>LIFE HISTORY</b>	Eggs take roughly 3-7 days to incubate. In maize, infestation begins in the field and continues to develop in storage. The adult beetles will readily fly and have been collected at heights of 70–170m above ground. Adults are attracted to ripening crops and can continue to multiply in storage especially in damaged grain stored slightly damp.

## MONITORING INFORMATION

<b>LURE ACTIVE INGREDIENTS, SUBSTRATES &amp; FIELD LIFE</b>	R-quadrilure in a Coaster Lure packet plus plant volatile lure in black pouch. Lure Longevity: 45 days	
<b>TRAP TO USE</b>	Yellow card, Double-sided and Back-folded	
<b>MONITORING STRATEGY</b>	Hang card in grain store or on the edges of field where infestation may be likely. Check with Cooperative Extension or Master Gardener for local information and recommendations.	
<b>CULTURAL &amp; PHYSICAL CONTROLS</b>	The species is a predator of coffee berry borer. It is a minor stored product pest and can be reared in large numbers at low cost on cracked corn for augmentative biological control. Check stored grain for damage to individual kernels	

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