

STORED PRODUCT INSECTS IDENTIFICATION



The Dirty Dozen



Rice Weevil



Lesser Grain Borer



Indianmeal Moth



Mediterranean Flour Moth



Red Flour Beetle



Confused Flour Beetle



Cigarette Beetle



Drugstore Beetle



Warehouse Beetle



Saw-toothed Grain Beetle



Foreign Grain Beetle



Flat Grain Beetle

EXPERTS IN GLOBAL PRODUCT PROTECTION

FSS is a family-owned business dedicated to safe, effective, and responsible pest management for the food production industry.

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STORED PRODUCT INSECTS BIOLOGY & LIFE CYCLE



	Species	Life Cycle	Egg Capacity	Optimum Temperature	Flight	Pheromone Type
Internal Feeders	Rice Weevil <i>Sitophilus oryzae</i>	25 days	300-550	84°F	Yes	Male Aggregation
	Lesser Grain Borer <i>Rhyzopertha dominica</i>	25 days	200-500	93°F	Yes	Male Aggregation
External Feeders	Indianmeal Moth <i>Plodia interpunctella</i>	26 days	200-400	86°F	Yes	Female Sex
	Mediterranean Flour Moth <i>Ephestia kuehniella</i>	40 days	200-650	77°F	Yes	Female Sex
	Red Flour Beetle <i>Tribolium castaneum</i>	20 days	200-450	97°F	Yes	Male Aggregation
	Confused Flour Beetle <i>Tribolium confusum</i>	25 days	200-500	90°F	No	Male Aggregation
	Cigarette Beetle <i>Lasioderma serricorne</i>	26 days	~100	86°F	Yes	Female Sex
	Drugstore Beetle <i>Stegobium paniceum</i>	40 days	~100	86°F	Yes	Female Sex
	Warehouse Beetle <i>Trogoderma variabile</i>	30 days	~100	86°F	Yes	Female Sex
	Saw-toothed Grain Beetle <i>Oryzaephilus surinamensis</i>	20 days	200-300	90°F	No	Food Attractant
Mold Feeders	Foreign Grain Beetle <i>Ahasverus advena</i>	22 days	100-300	80°F	Yes	Food Attractant
	Flat Grain Beetle <i>Cryptolestes pusillus</i>	21 days	100-350	95°F	Yes	Food Attractant

*Data based on laboratory-reared insects at optimal temperatures. Field conditions (temperature, humidity, and food availability) can significantly alter, often extending, development times. (Akhter et al. 2017, Fields 1992, Hagstrum & Subramanyam 2025, Hagstrum et al. 2012, Rees 2004)

We have built our brand by protecting yours™

FSS combines proven stored product expertise with broader IPM capabilities to deliver more complete stored product protection solutions.

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