

Section VII.
Foliage & Seed Feeding Pests

THE EUROPEAN POPLAR SHOOT BORER, *GYPSONOMA ACERIANA* (DUPONCHEL)
(LEPIDOPTERA: TORTRICIDAE), IN WESTERN WASHINGTON, AN OLD WORLD
POPLAR PEST "NEW" TO NORTH AMERICA

E. H. LaGasa
Pest Program, Laboratory Services Division
Washington State Department of Agriculture
P.O. Box 42560, Olympia, WA 98504-2560
360/902-2063
elagasa@agr.wa.gov

Three adult males of *Gypsonoma aceriana* (Duponchel), the European Poplar Shoot Borer (EPSB) were collected in King and Pierce counties in western Washington State during 1998-99. EPSB is a notable pest of *Populus* (Salacaceae) species and hybrids in plantations and nurseries in Europe, where it is known as the poplar shoot borer. Young larvae mine leaves, and older larvae bore into terminal shoots, often causing gall-like swellings which can deform or kill growing tips. A 2001 WSDA/USDA APHIS Cooperative Agricultural Pest (CAPS) Survey to delimit EPSB in western Washington found the exotic pest in every county surveyed along the I-5 corridor, from the Canadian border south to Clark county on the Columbia River/Oregon border. The pheromone-trap survey results suggest higher population levels in Pierce county and adjacent counties to the south, although survey timing (May to July) likely reduced trap-catches in more northern counties (see Table 1). Pheromone-trap monitoring in Pierce County continued longer than other counties, recording adult EPSB flight from early July to mid-September, with a peak in activity in early August. Graphic images of EPSB life stages and damage are presented, as well as GIS mapping of survey results. A complete report of survey activities with additional image files is available on the internet at: <http://www.wa.gov/agr/lab/exotics/exotics.htm>

Table 1. 2001 Western Washington *Gypsonoma aceriana* Survey – Trap Summary Data

County	EPSB Trap Sites	Pos. Sites	% Sites Pos.	Total EPSB	Ave. EPSB / Pos. Site
Whatcom	79	10	12.7%	43	4.3
Skagit	55	2	3.6%	3	1.5
Snohomish	54	3	5.6%	3	1.0
King	54	14	25.9%	42	3.0
Pierce	79	64	81.0%	3,249	50.8
Thurston	81	41	50.6%	252	6.1
Lewis	40	20	50.0%	274	13.7
Cowlitz	40	20	50.0%	274	13.7
Clark	60	15	25.0%	105	7.0
Totals	580	189	32.6%	4,245	12.6