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# COOPERATIVE PLANT PEST REPORT FOR CALIFORNIA

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## HIGHLIGHTS

MEDITERRANEAN FRUIT FLY - Ceratitis capitata - Central Coast and Delta District, Santa Clara County. - Information obtained from specimens collected with Nadel Traps (in San Jose):

- July 28: male shows evidence of irradiation; immature female, unmated, some ovarian development, normal (coll. by B. Cady).  
July 29: immature, unmated female, gonadal tissue shows sign of irradiation; one male, testes show evidence of irradiation (coll. by B. Cady). One female, unmated, 51 eggs developed, normal, non-irradiated (coll. by Laura Aitken).  
July 30: one male, immature, unmated gonadal tissue shows signs of irradiation (coll. by Aitken). All det. by K. Corwin.

Specimens reared from fruit collection (apricots) on July 31 (by Hewitt) in Santa Clara. - One male, sexually immature, testes show no sign of irradiation. One female, immature, unmated ovarian development present. No evidence of irradiation (det. by K. Corwin, CDFA). Additional larval specimens collected:

- in apricots on July 31 (by Hewitt) and August 6 (by Shonert and Herman);  
in loquats on July 31 (by Hewitt);  
in nectarines on August 4 (by Shonert and Herman);  
in peaches on July 31 (by Hewitt), and on August 4 (by Shonert and Herman).  
All det. by K. Corwin, CDFA.  
in peaches again on August 7 (by Shonert and Herman), and on August 9 (by Henry and Zadig).  
in nectarines on August 7 (by Shonert and Herman). All det. by M. Wasbauer, CDFA.

## DECIDUOUS FRUITS AND NUTS

WALNUT HUSK FLY - Rhagoletis completa - From the Central Coast and Delta District, Santa Clara County: San Jose. Schonert and Herman found larva of this fly in cling peach on August 7 (det. by M. Wasbauer, CDFA).

## HOUSEHOLD STRUCTURE

A FURNITURE BEETLE - Heterobostrychus inaqualis - Southern Coast District, San Diego County: Chula Vista. A specimen of this woodboring beetle found on August 6

by J. Blocker and J. Kenyon in a private home in a furniture. The piece of furniture has Philippine origin (det. by F. Andrews, CDFA).

MISCELLANEOUS

STRIPED GROUND CRICKET - Nemobius fasciatus - From the Northern Great Basin District, Siskiyou County: Gazelle. - F. D. Horn reports (no observation date submitted, id made on Aug. 6) that this cricket in the past week or so is coming into the light trap at the rate of 200 per night (det. by C. Papp, CDFA).

POTATO APHID - Macrosiphum euphorbiae, and

GREEN PEACH APHID - Myzus persicae - Reported from the Southern Coast District, San Diego County: San Diego. - On August 5 Taylor and Torras found (address: 780 Hollister) some 60 guayule plants infested by those two species of aphids. According to their estimate 50% of the plants were affected. They reported an average of 10 specimens per stem (det. by T. Kono, CDFA).

A BLISTER BEETLE - Epicauta puncticollis - Was observed in the Southern Coast District, San Luis Obispo County: Santa Margarita. Robert Hopkins and Pam Schlatter observed (no date submitted, id made on Aug. 8) that this species vigorously feeds on the petals of skeletonweed and yellow star thistle, preferring the former, with an average count of 20 specimens per plant (det. by F. Andrews, CDFA).

WEEDS

DALMATIAN TOADFLAX - Linaria dalmatica - NEW COUNTY RECORD. Central Mountains and Foothills District, Placer County: Tahoe Pines. An infestation of light density found between Homewood and Tahoe Pines on August 11, by K. Stark (det. by D. Barbe, CDFA).

SPOTTED KNAPWEED - Centaurea maculosa - NEW TOWNSHIP RECORD. Northern Great Basin District, Modoc County: Tulelake. Collected on August 7 by C. Breenbank. No information on density was reported (det. by D. Barbe, CDFA). - The Mt. Shasta Agricultural Inspection Station submitted specimen of this weed found in a passenger automobile of Ohio origin crossing the state line from Oregon into California, on August 5 by M. O'Sullivan (det. by S. Dobbins, CDFA).

FIELD NOTES

TOMATO PINWORM - (Keiferia lycopersicella). - Fresno County, Selma, July 15. Some 5 acres of tomatoes found infested and totally destroyed. Owner plowed it under, will plant a different crop later, as reported by N. Smith. All stages of the insect were observed, and an average of two larvae per leaf, and four per fruit was recorded.

DUTCH ELM DISEASE IDENTIFICATION

Positive for DED fungus (Ceratocystis ulmi). - Wood samples and specimens of the smaller European elm bark beetle (Scolytus multistriatus) found positive for DED from the following locations:

MARTIN COUNTY. European elm, July 11 and 17 from Ross (coll. by Owens); and beetles from County traps (M21-4; no location given) on July 22 (coll. by Vernon).

SAN MATEO COUNTY. Siberian elm, July 17 from Menlo Park (coll. by Ketchum); beetle specimens from county traps (41-23, 41-29, July 22, coll. by F. Ondricek; 41-10, 41-14, 41-14A, 41-26, 41-26C, July 21, coll. by C. Smith; 41-49 July 18, coll. by T. Healy, no specific trap location given).

SOLANO COUNTY. Siberian elm, July 21 from Vallejo (coll. by Godfrey).

SONOMA COUNTY. American elm, July 16 from Kenwood (coll. by Krause and Smith). (All det. by T. Matsumoto, CDFA).

AIRCRAFT INSPECTION (OUT-OF-STATE ORIGIN)

(\*) = No information on origin of flight given

CHAFERS - Anomala (near parvula) adult found at Los Angeles International Airport (flight from Chicago, IL) on August 5 by Keenan (det. by F. Andrews, CDFA).

EUROPEAN CHAFER - Rhizotrogus majalis (possible) dead adult found at Los Angeles International Airport (flight from Cleveland, OH) on August 5 by Evans (det. by F. Andrews, CDFA).

ASIATIC GARDEN BEETLE - Maladera castanea- with three collections. Los Angeles International Airport, August 5 by Allmann, alive (flight from Cincinnati-St. Louis); San Diego August 5 by Seaman, dead (flight from Atlanta, GA); San Francisco on August 1, dead (flight from Chicago), (det. by F. Andrews, CDFA).

MAY BEETLE - Phyllophaga sp.- one collection at San Francisco International Airport on August 5 by R. Jones (flight from Pittsburgh, PA), dead specimen (det. by F. Andrews, CDFA).

JAPANESE BEETLE - Popillia japonica- two collection (dead), at San Diego Lindbergh Field on August 1 (\*) by Seaman; on Aug. 3 (from Detroit) by Ginsky. San Francisco International Airport, August 6, alive (from Buffalo, NY) by P. Canziani (det. by F. Andrews, CDFA).

CUTWORM - Euxoa sp. at the San Francisco International Airport, August 1, alive (from Chicago) by P. Canziani (det. by T. Eichlin, CDFA).

COLORADO POTATO BEETLE - Leptinotarsa decemlineata- dead specimen at San Diego Lindbergh Field on August 6 by Seaman (det. by F. Andrews, CDFA).

## SIGNIFICANT AGRICULTURAL PEST FINDS

For the week ending August 15, 1980

Scientific Name	Common Name &	Rating	Origin	Locality	Collector	Date	I.D. by
<u>Ceroplastes rubens</u>	red wax scale	A	Hawaii	Los Angeles Co. Lawndale	Kellam	VIII-7	Kono
<u>Dacus dorsalis</u>	oriental fruit fly	A	-?-	Winnetka	Suzuki	VIII-7	Corwin
<u>Howardia biclavis</u>	mining scale	A	Hawaii	SAN DIEGO CO. Chula Vista	Kenyon	VII-30	Gill
<u>Lymantria dispar*</u>	gypsy moth*	A	New Jersey	BUTTE CO. Chico	Voorhees	VIII-11	Eichlin
			Pennsylvania	ORANGE CO. Laguna Hills	Johnson	VIII-5	Somerby
<u>Malacosoma americanum</u>	Eastern tent caterpillar	Q	Pennsylvania	CONTRA COSTA San Ramon	Welch	VIII-5	Somerby
<u>Paratrechina fulva</u>	an ant	Q	Florida	Los Angeles Co. Torrance	Kellam	VIII-4	Gill
<u>Rhizoecus americanus</u>	a mealybug	Q	Florida	Torrance	Kellam	VIII-4	Gill

\*Washington State Gypsy moth problem. In their recent (Aug. 5) Weekly Report is the following note: "Eleven moths trapped in 5 days on NW corner of Mercer Island. Based on past records this is a moderate to heavy population for this area. King County 8-5-80 (A. Antonelli)".

CALIFORNIA BLACK LIGHT TRAP REPORT

For the week ending Aug. 16, 1980

DATE	8-10	8-10	8-10	8-11	
LOCATION	Bellota	Manteca	Roberts Island	Collegeville	
TEMPERATURE		102-63		101-60	
ALFALFA LOOPER <i>Autographa californica</i>					
ARMYWORM <i>Pseudaletia unipuncta</i>	6	5	7	9	
BEET ARMYWORM <i>Spodoptera exigua</i>	36	59	33	17	
BLACK CUTWORM <i>Argrotis ipsilon</i>			3		
CABBAGE LOOPER <i>Trichoplusia ni</i>					
CLOVER CUTWORM <i>Scotogramma trifolii</i>	5	7	22	24	
CODLING MOTH <i>Laspeyresia pomonella</i>					
CORN EARWORM, (ETC.) <i>Heliothis zea</i>					
FALSE CELERY LEAFTIER <i>Udea profundalis</i>					
GRANULATE CUTWORM <i>Feltia subterranea</i>		2		2	
SALTMARSH CATERPILLAR <i>Estigmene acrea</i>			8	2	
SPOTTED CUTWORM <i>Amathes c-nigrum</i>			1		
SUGARBEET WEBWORM <i>Loxostege sticticalis</i>				9	
TOBACCO BUDWORM <i>Heliothis virescens</i>					
W. YELLOWSTRIPED ARMYWORM <i>Spodoptera praefica</i>	8	16	7	18	
ROUGHSKINNED CUTWORM <i>Proxenus mindara</i>	3	1	12	16	
OMNIVOROUS LEAFROLLER <i>Platynota stultana</i>	1	2			
PEACH TWIG BORER <i>Anarsia lineatella</i>		4			

SAN JOAQUIN COUNTY TOMATO PEST REPORT.

Location	Thornton	Holt	Collegeville	Tracy	Yarmouth	
Number of acres	55	75	80	40	83	
Variety	7879	7879	UC-82			
Date of survey	8-11	8-11	8-11	8-11	8-11	
Stage of crop	20% red	50% red	90% red	green	green	

FRUIT DAMAGE

Number of fruit examined	200	400	400	200	400	
%Beet armyworm	* 0	1.8	1.2	1.0	1.2	
%Tomato pinworm	0	0	0	0	0	

\* 19% of fruit at Thornton with large holes, apparently Variegated cutworm.  
INSECT COUNTS PER SAMPLE (shaken from plants over 2 sq.ft. surface)

No. of 2 ft. samples examined	20	40	40	20	40	
Tomato fruitworm						
Beet armyworm				0.05	0.02	
Loopers						
Hornworms						
Other worms						
Stinkbugs						
Pinworms blotchs/10 lvs.						
Leaf miners mines/6 trifoliates						

BLACK LIGHT TRAP COUNTS Location: Collegeville

Date	8-4	8-5	8-6	8-7	
Beet armyworm <i>Spodoptera exigua</i>	2	1	16	10	
Tomato fruitworm <i>Heliothis zea</i>				3	
W. yellowstriped armyworm <i>Spodoptera praefica</i>	1	1	4	8	
Variegated cutworm <i>Peridroma saucia</i>		1			