

Eldon



# COOPERATIVE PLANT PEST REPORT FOR CALIFORNIA

Vol. 3, No. 25  
For week ending June 20, 1980

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## HIGHLIGHTS

MEDITERRANEAN FRUIT FLY - Ceratitis capitata - Found in a Jackson trap in the Central Coast and Delta District, Santa Clara County, in San Jose, on June 6. Two male specimens submitted by Maggi and Dufour (det. by K. Corwin, CDFA).

## CORN, SORGHUM, SUGARCANE

CORN EARWORM - Heliothis zea - Observed in the Low Desert District, Imperial County, in Holtville. On June 2, T. Bornt found larvae feeding on stem, trunk and growing tips of field corn or sorghum (det. by T.D. Eichlin, CDFA).

A MITE - Tetranychus sp. - In the Low Desert District, Imperial County, El Centro. R. Flock and D. Katz reports this species is numerous on corn, with an average count of 23 specimens of all stages per leaf (det. by T. Kono, CDFA).

A THRIPS - Scolothrips sp. - Reported from the Low Desert District, Imperial County, El Centro found numerous (in all stages) on corn. R. Flock and D. Katz had a count of 25 per leaf (det. by T. Kono, CDFA).

## DECIDUOUS FRUITS AND NUTS

BROWN SOFT SCALE - Coccus hesperidum - In the Central Coast and Delta District, Marin County, in Marinwood found by D. Mayeda on June 10. Numerous adults on growing tips of tangerine (det. by R. Gill, CDFA).

## ORNAMENTALS

ACACIA PSYLLID - Psylla uncatoides - Reported from the Central Coast and Delta District, Solano County, in Vacaville. On June 11, Mr. Cody found all stages of this pest on buds, blossoms, growing tips and leaves of silk tree (det. by R. Gill, CDFA).

BURROWING NEMATODE - Radopholus similis - Found in soil (host: Anthurium) shipped from Hawaii, in the Southern Coast District, San Diego County, in Encinitas, on June 6, by P. Boch (det. by S. Ayoub, CDFA).

RENIFORM NEMATODE - Rotylenchulus reniformis - Found in samples from the Southern Coast District, San Diego County, El Cajon, collected by Pickett and Johnson, (host: Neanthebella palm) on June 5 (det. by S. Ayoub, CDFA).

FIELD NOTES

SOUTHERN CHINCH BUG - Blissus insularis - On May 2 we summarized a report of the distribution of this species in California (Vol. 3, No. 18, p. 54). Richard Spadoni (Humboldt County) sent in a follow-up report: "Adults could be readily found on the lawn (Festuca sp.) as well as 'migrating' over a cement patio toward the nearby home". June 2 (det. by A. Hardy, CDFA).

VIRUS DISEASE OF ANEMONE, collected May 2, 1980 by R. Walsh and K. Sims near Carlsbad, San Diego County (det. by D.E. Mayhew, CDFA). On the basis of symptoms, field inspections, and laboratory tests, several viruses appear to be involved. The majority of symptoms appear to be related to infection by Anemone Mosaic Virus as described by M. Hollings, Ann. appl. Biol. 45:44-61. 1957. Mechanical transmission has not been achieved however. No particle has been described for AMV so confirmation with electron microscopy is not possible. However, long flexuous particles have been found in the phloem of some infected plants which are similar to those described by Lange, et. al. in Botanisk Tidsskrift 73:113-123. 1979. This virus and AMV may be one in the same. In addition to these viruses, both tobacco ring-spot and tobacco necrosis viruses have been confirmed in some plants using serology. Infection in San Diego County may have resulted from planting of infected seed imported from Holland, with subsequent spread in the field by one or more aphids.

NEW LITERATURE

An Illustrated Guide to the Marine Nematodes. By Armen C. Tarjan. 206 pages (8½ x 11"), 67 plates, spiral bound, hard cover. Univ. of Florida, Publ. Distr. Center, Bldg. 664, Gainesville, Florida 32611. - \$6.00.

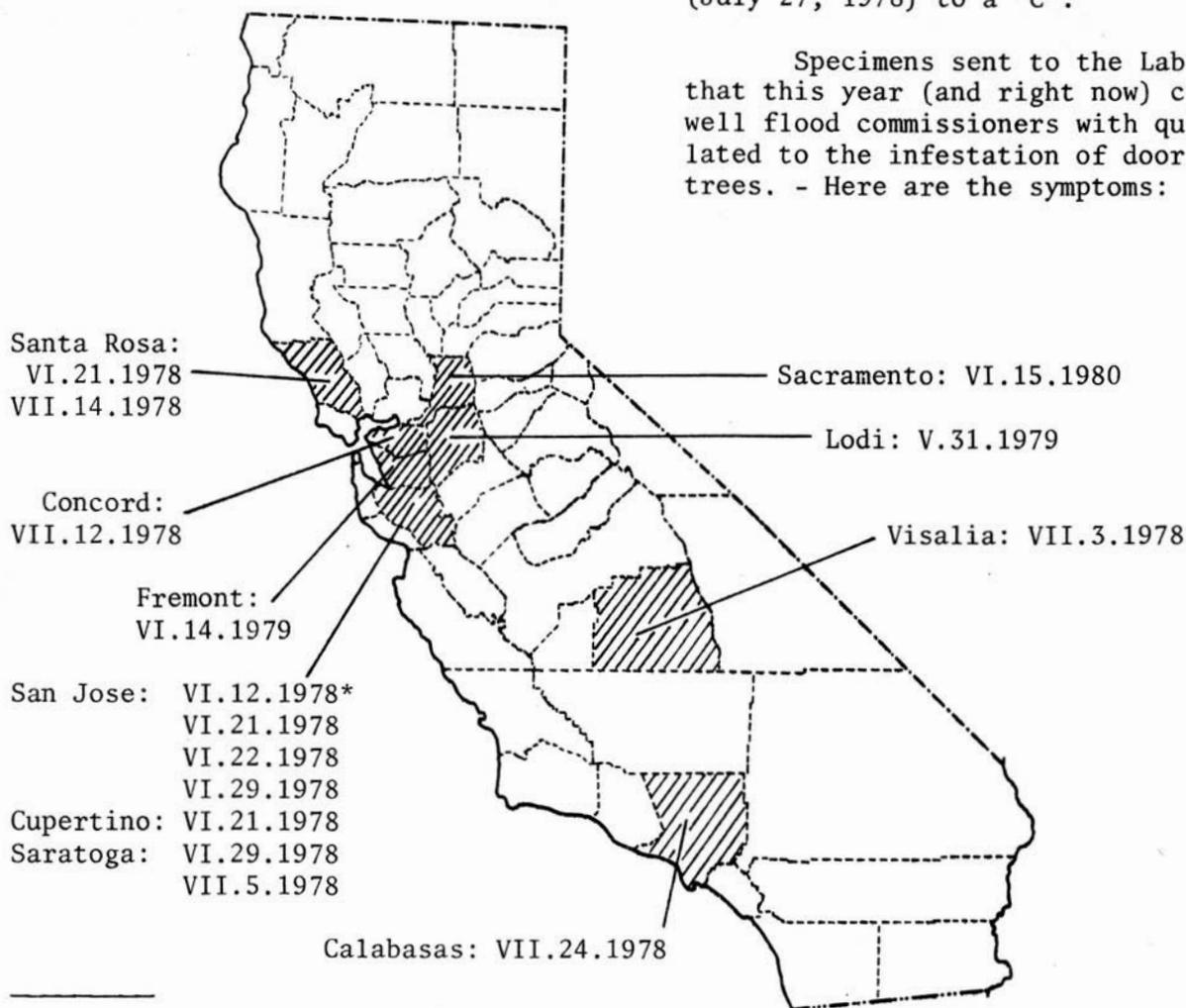
This is an excellent manual for those who would like to broaden their knowledge in nematology. The work is composed of keys to the five orders of marine nematodes and

67 plates of illustrations from the published research of many authors. The basis for the keys is the categorization proposed in 1976 by Dr. I. Andr assy. However, several marine nematologists have modified sections of the keys in which they had expertise. Quick access to specific parts of the work is facilitated by tabbed separators. **It is** surely worth the investment.

HONEY LOCUST POD GALL MIDGE, *Dasineura gladitchiae* (O.S.) IN CALIFORNIA.

This insect, first reported from California in June, 1978 (collected on the 12th, by D. Bass, in San Jose, Santa Clara County), was immediately classified as an "X-rated" pest. This rating was changed one month later (July 27, 1978) to a "C".

Specimens sent to the Lab indicate that this year (and right now) citizens may well flood commissioners with questions related to the infestation of door yard locust trees. - Here are the symptoms:



\* First collection in the State.

The new leaflets of locust tree on the tip of the branches do not open normally, then become globular or pod-like galls. When an infestation reaches epidemic status, all leaflets may be galled. The galled leaflets may dry up and shed prematurely. Continuous and repeated defoliation may cause death of small branches, but usually a new growth develops at the base of the dead twig. Trees are rarely ruined by the infestation.

This midge is eastern in distribution and was introduced to California probably with commercial nursery stock. It is a NEW COUNTY RECORD for Sacramento County, on sunburst honey locust (*Gleditsia triacanthos* forma *inermis*), and collected by Dr. Thomas D. Eichlin, June 15, 1980 (det. by Karen Corwin, CDFA.).

Information about the presence of this pest in new counties would be greatly appreciated.

CALIFORNIA BLACK LIGHT TRAP REPORT

For the week ending 6-20-80

DATE	6-15-80	6-15-80	6-15-80		
LOCATION	Manteca	Bellota	Roberts Island		
TEMPERATURE	95-58	95-58	95-58		
ALFALFA LOOPER <i>Autographa californica</i>			1		
ARMYWORM <i>Pseudaletia unipuncta</i>	58	30	749		
BEET ARMYWORM <i>Spodoptera exigua</i>	1	2	17		
BLACK CUTWORM <i>Argrotis ipsilon</i>	9	12	55		
CABBAGE LOOPER <i>Trichoplusia ni</i>					
CLOVER CUTWORM <i>Scotogramma trifolii</i>	14	2	38		
CODLING MOTH <i>Laspeyresia pomonella</i>					
CORN EARWORM, (ETC.) <i>Heliothis zea</i>			1		
FALSE CELERY LEAFTIER <i>Udea profundalis</i>	1		1		
GRANULATE CUTWORM <i>Feltia subterranea</i>					
SALTMARSH CATERPILLAR <i>Estigmene acrea</i>			9		
SPOTTED CUTWORM <i>Amathes c-nigrum</i>			5		
SUGARBEET WEBWORM <i>Loxostege sticticalis</i>	2		3		
TOBACCO BUDWORM <i>Heliothis virescens</i>					
W. YELLOWSTRIPED ARMYWORM <i>Spodoptera praefica</i>	2		13		
VARIEGATED CUTWORM <i>Peridroma saucio</i>	4	2	9		
ROUGHSKINNED CUTWORM <i>Proxenus mindara</i>	2	2	20		

## SIGNIFICANT AGRICULTURAL PEST FINDS

For the week ending June 20, 1980

Scientific Name	Common Name &	Rating	Origin	Locality	Collector	Date	I.D. by
<u>Aonidiella orientalis</u>	Oriental scale*	Q	Florida	Los Angeles County	G. Hart	VI.3.	Gill
<u>Aspidiotus destructor</u>	Coconut scale	A	Florida	Los Angeles County	Zolfeghari & Miller	VI.9.	Gill
<u>Aspidiotus sacchari</u>	A scale	Q	Florida	Los Angeles County	Zolfeghari & Miller	VI.9.	Gill
<u>Ceratocystis ulmi</u>	Dutch elm disease**	A	-	Sonoma County Santa Rosa	Weidner	V.30.	Tidwell
<u>Lymantria dispar</u>	Gypsy moth	A	-	Napa County St. Helena	Bendure	V.21.	Tidwell
<u>Onopordum acanthium</u>	Scotch thistle	A	New York	Santa Clara County San Jose	Guerra	VI.4.	Eichlin
<u>Paratrechina fulva</u>	An ant	Q	Alberta	(*)	Rosenbalm	VI.12.	B. Hass
<u>Parlatoria oleae</u>	Olive scale	B	Florida	Contra Costa County Richmond	Sparkman	VI.10.	Wasbauer
<u>Pinnaspis strachani</u>	Lesser snow scale	A	-?-	Fresno County Fresno	Peregrin & Nishimatsu	?	Gill
<u>Pseudaulacaspis cockerelli</u>	Magnolia white scale	A	Hawaii	Los Angeles County Glendale	White	VI.16.	Gill
			Hawaii	Los Angeles County Glendale	White	VI.16.	Gill

\* - Needles Inspection Station.

\*\* - Series of samples from San Mateo County (V.16); Solano County (V.16, V.19, V.22) proven negative for DED, but in all cases Tubercularia vulgaris canker found present on European elm (San Mateo County), and Siberian elm (Solano County).

(\*) - Redwood Highway Inspection Station