

Pest surveillance results for surveys performed in Mexico from 1997 until 2000.

### FOLIAGE SURVEY 1997

MUNICIPALITY	NUMBER OF HECTARES SURVEYED	NUMBER OF ORCHARDS SURVEYED	NUMBER OF ORCHARDS POSITIVES FOR <i>Copturus aguacatae</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Stenoma catenifer</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Conotrachelus perseae</i>
PERIBAN	3,328	422	163	0	0	0	0
S. ESCALANTE	1,661	175	24	0	0	0	0
TANCITARO	2,428	221	0	0	0	0	0
URUAPAN	3,755	187	57	0	0	0	0
TOTAL	11,172	1,005	244	0	0	0	0

### FOLIAGE SURVEY 1998

MUNICIPALITY	NUMBER OF HECTARES SURVEYED	NUMBER OF ORCHARDS SURVEYED	NUMBER OF ORCHARDS POSITIVES FOR <i>Copturus aguacatae</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Stenoma catenifer</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Conotrachelus perseae</i>
PERIBAN	4,394	801	474	0	0	0	0
S. ESCALANTE	2,490	345	46	0	0	0	0
TANCITARO	2,090	295	0	0	0	0	0
URUAPAN	6,903	646	413	0	0	0	0
TOTAL	15,877	2,087	933	0	0	0	0

### FOLIAGE SURVEY 1999

MUNICIPALITY	NUMBER OF HECTARES SURVEYED	NUMBER OF ORCHARDS SURVEYED	NUMBER OF ORCHARDS POSITIVES FOR <i>Copturus aguacatae</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Stenoma catenifer</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Conotrachelus perseae</i>
PERIBAN	2,887.51	540	93	0	0	0	0
S. ESCALANTE	2,800.3	331	62	0	0	0	0
TANCITARO	5,552.39	743	17	0	0	0	0
URUAPAN	2,341.63	545	135	0	0	0	0
TOTAL	13,581.83	2,159	307	0	0	0	0

## FOLIAGE SURVEY 2000

MUNICIPALITY	NUMBER OF HECTARES SURVEYED	NUMBER OF ORCHARDS SURVEYED	NUMBER OF ORCHARDS POSITIVES FOR <i>Copturus aguacatae</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Stenoma catentifer</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF ORCHARDS POSITIVE FOR <i>Conotrachelus perseae</i>
SAN JUAN NUEVO	1,381.5	144	17	0	0	0	0
PERIBAN	3,042.19	592	175	0	0	0	0
S. ESCALANTE	2,723.30	305	58	0	0	0	0
TANCITARO	9,080.2	1,237	44	0	0	0	0
URUAPAN	1,734.77	307	32	0	0	0	0
<b>TOTAL</b>	17,961.96	2,585	326	0	0	0	0

### WILD & BACKYARD TREE SURVEY 1997

MUNICIPALITY	NUMBER OF SITES	NUMBER OF SITES POSITIVE FOR <i>Copturus aguacatae</i>	NUMBER OF SITES POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF SITES POSITIVE FOR <i>Stenoma catenifer</i>	NUMBER OF SITES POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF SITES POSITIVE FOR <i>Conotrachelus perseae</i>
PERIBAN	14	0	0	0	0	0
S. ESCALANTE	46	0	0	0	0	0
TANCITARO	17	0	0	0	0	0
URUAPAN	23	0	0	0	0	0
TOTAL	100	0	0	0	0	0

### WILD & BACKYARD TREE SURVEY 1998

MUNICIPALITY	NUMBER OF SITES	NUMBER OF SITES POSITIVE FOR <i>Copturus aguacatae</i>	NUMBER OF SITES POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF SITES POSITIVE FOR <i>Stenoma catenifer</i>	NUMBER OF SITES POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF SITES POSITIVE FOR <i>Conotrachelus perseae</i>
PERIBAN	30	0	0	0	0	0
S. ESCALANTE	22	0	0	0	0	0
TANCITARO	42	1	0	0	0	0
URUAPAN	26	5	0	0	0	0
TOTAL	120	6	0	0	0	0

### WILD & BACKYARD TREE SURVEY 1999

MUNICIPALITY	NUMBER OF SITES	NUMBER OF SITES POSITIVE FOR <i>Copturus aguacatae</i>	NUMBER OF SITES POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF SITES POSITIVE FOR <i>Stenoma catenifer</i>	NUMBER OF SITES POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF SITES POSITIVE FOR <i>Conotrachelus perseae</i>
PERIBAN	56	2	0	0	0	0
S. ESCALANTE	124	1	0	0	0	0
TANCITARO	69	5	0	0	0	0
URUAPAN	102	7	0	0	0	0
TOTAL	351	15	0	0	0	0

## WILD & BACKYARD TREE SURVEY 2000

MUNICIPALITY	NUMBER OF SITES	NUMBER OF SITES POSITIVE FOR <i>Coptures aguacatae</i>	NUMBER OF SITES POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF SITES POSITIVE FOR <i>Stenoma catenifer</i>	NUMBER OF SITES POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF SITES POSITIVE FOR <i>Conotrachelus perseae</i>
SAN JUAN NUEVO	91	19	0	0	0	0
PERIBAN	60	51	0	0	0	0
S. ESCALANTE	85	5	0	0	0	0
TANCITARO	186	41	0	0	0	0
URUAPAN	189	173	0	0	0	0
TOTAL	611	289	0	0	0	0

### FRUIT CUTTING SURVEY IN ORCHARDS 1997

MUNICIPALITY	NUMBER OF FRUIT CUT	NUMBER OF FRUIT POSITIVE FOR <i>Copturus aguacatae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF FRUIT POSITIVE FOR <i>Stenoma catenifer</i>	NUMBER OF FRUIT POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Conotrachelus perseae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Anastrepha Spp.</i>
PERIBAN	449,140	0	0	0	0	0	0
S. ESCALANTE	94,315	0	0	0	0	0	0
TANCITARO	242,850	0	0	0	0	0	0
URUAPAN	369,000	0	0	0	0	0	0
TOTAL	1, 155,305	0	0	0	0	0	0

### FRUIT CUTTING SURVEY IN ORCHARDS 1998

MUNICIPALITY	NUMBER OF FRUIT CUT	NUMBER OF FRUIT POSITIVE FOR <i>Copturus aguacatae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF FRUIT POSITIVE FOR <i>Stenoma catenifer</i>	NUMBER OF FRUIT POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Conotrachelus perseae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Anastrepha Spp.</i>
PERIBAN	439,362	0	0	0	0	0	0
S. ESCALANTE	90,819	0	0	0	0	0	0
TANCITARO	209,040	0	0	0	0	0	0
URUAPAN	382,250	0	0	0	0	0	0
TOTAL	1,121,471	0	0	0	0	0	0

### FRUIT CUTTING SURVEY IN ORCHARDS 1999

MUNICIPALITY	NUMBER OF FRUIT CUT	NUMBER OF FRUIT POSITIVE FOR <i>Copturus aguacatae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF FRUIT POSITIVE FOR <i>Stenoma catenifer</i>	NUMBER OF FRUIT POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Conotrachelus perseae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Anastrepha Spp.</i>
PERIBAN	28,876	0	0	0	0	0	0
S. ESCALANTE	144,066	0	0	0	0	0	0
TANCITARO	555,239	0	0	0	0	0	0
URUAPAN	224,242	0	0	0	0	0	0
TOTAL	952,423	0	0	0	0	0	0

## FRUIT CUTTING SURVEY IN ORCHARDS 2000

MUNICIPALITY	NUMBER OF FRUIT CUT	NUMBER OF FRUIT POSITIVE FOR <i>Copturus aguacatae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Heilipus lauri</i>	NUMBER OF FRUIT POSITIVE FOR <i>Stenoma catenifer</i>	NUMBER OF FRUIT POSITIVE FOR <i>Conotrachelus aguacatae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Conotrachelus perseae</i>	NUMBER OF FRUIT POSITIVE FOR <i>Anastrepha Spp.</i>
SAN JUAN NUEVO	196,815	0	0	0	0	0	0
PERIBAN	97,308	0	0	0	0	0	0
S. ESCALANTE	242,497	0	0	0	0	0	0
TANCITARO	417,086	0	0	0	0	0	0
URUAPAN	256,108	0	0	0	0	0	0
TOTAL	1,209,814	0	0	0	0	0	0

**TRAPPING DATA  
CAPTURES IN ORCHARDS CERTIFIED FOR EXPORTS TO THE U.S.  
CALENDAR YEAR 1997**

MONTH	PERIBAN			SALVADOR ESCALANTE			TANCITARO			URUAPAN		
	ANASTREPHA			ANASTREPHA			ANASTREPHA			ANASTREPHA		
	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>
JANUARY												
FEBRUARY												
MARCH												
APRIL												
MAY	1			2			21	1		2		
JUNE	1	1		1			11			1		
JULY				3	1		24	1		2		
AUGUST	3			3	1		4	2				
SEPTEMBER	3			3			14					
OCTOBER				1			7					
NOVEMBER												
DECEMBER												
<b>TOTAL</b>	<b>8</b>	<b>1</b>		<b>13</b>	<b>2</b>		<b>81</b>	<b>4</b>		<b>5</b>		

**TRAPPING DATA  
CAPTURES IN ORCHARDS CERTIFIED FOR EXPORTS TO THE U.S.  
CALENDAR YEAR 1998**

MONTH	PERIBAN			SALVADOR ESCALANTE			TANCITARO			URUAPAN		
	ANASTREPHA			ANASTREPHA			ANASTREPHA			ANASTREPHA		
	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>
JANUARY												
FEBRUARY												
MARCH												
APRIL												
MAY	1			3	1		22	2				
JUNE	1						14					
JULY	2			4	1		28	4				
AUGUST	1						21	2				
SEPTEMBER							34					
OCTOBER												
NOVEMBER							3					
DECEMBER												
<b>TOTAL</b>	<b>5</b>			<b>7</b>	<b>2</b>		<b>122</b>	<b>8</b>				

**TRAPPING DATA  
CAPTURES IN ORCHARDS CERTIFIED FOR EXPORTS TO THE U.S.  
CALENDAR YEAR 1999**

MONTH	PERIBAN			SALVADOR ESCALANTE			TANCITARO			URUAPAN		
	ANASTREPHA			ANASTREPHA			ANASTREPHA			ANASTREPHA		
	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>
JANUARY												
FEBRUARY												
MARCH												
APRIL												
MAY				5						7		
JUNE				7			13			2		
JULY				6			56			5		
AUGUST	4			20			51			2		
SEPTEMBER	2			13			6			5		
OCTOBER	1			7			17					
NOVEMBER												
DECEMBER												
<b>TOTAL</b>	<b>7</b>			<b>58</b>			<b>143</b>			<b>21</b>		

**TRAPPING DATA**  
**CAPTURES IN ORCHARDS CERTIFIED FOR EXPORTS TO THE U.S.**  
**CALENDAR YEAR 2000**

MONTH	PERIBAN			SALVADOR ESCALANTE			TANCITARO			URUAPAN			NUEVO PARANGURICUTIRO		
	ANASTREPHA			ANASTREPHA			ANASTREPHA			ANASTREPHA			ANASTREPHA		
	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>	<i>ludens</i>	<i>striata</i>	<i>serpentina</i>
JANUARY				4											
FEBRUARY				4											
MARCH				3											
APRIL				2											
MAY				1											
JUNE	1			3											
JULY				8											
AUGUST				4			89			20					
SEPTEMBER				12			25	1		12			1		
OCTOBER				1			17			4					
NOVEMBER															
DICEMBER															
<b>TOTAL</b>	<b>1</b>			<b>42</b>			<b>131</b>	<b>1</b>		<b>36</b>			<b>1</b>		

Table 4. Number of Mexican Hass avocado fruit intercepted outside approved States

<b>Season</b>	<b>Boxes</b>	<b>Fruit</b>
1997-1998	668	32,064
1998-1999	3,114	149,472
1999-2000	45	2160
2000-2001	54	2592
Total	3881	186,288
Average	970	46,572

Table 5. Number of Mexican Hass avocado fruit cut and inspected

All fruit cut and inspected were negative for target pests. Orchard and packinghouse inspections were joint Mexican (SAGARPA) / United States (APHIS) inspections. Border inspections were conducted by U.S. inspectors.

<b>Season</b>	<b>Orchard (SAGARPA/ APHIS)</b>	<b>Packinghouse (SAGARPA / APHIS)</b>	<b>At Border (APHIS)</b>	<b>Total</b>
1997-1998	1,155,305	417,900	10,410	1,583,615
1998-1999	1,121,471	203,250	16,800	1,341,521
1999-2000	952,423	166,650	20,070	1,139,143
2000-2001	1,209,814	172,800	17,280	1,399,894
Total	4,439,013	960,600	64,560	5,464,173
Average	1,109,753	240,150	16,140	1,366,043