

TABLE 1. Species of phytoseiid predatory mites found in 12 permanent or semipermanent cropping systems in California

Host plant	Collection years	Counties	Site-years*	Seasonal samples†	No. of mites	I	I	II	II	II	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	IV	IV	IV	IV	
						<i>Phytoseiulus persimilis</i>	<i>Typhlodromina eharai</i>	<i>Galendromus occidentalis</i>	<i>Galendromus annectens</i>	<i>Neoseiulus californicus</i>	<i>Neoseiulus aurescens</i>	<i>Neoseiulus cucumeris</i>	<i>Neoseiulus brevispinus</i>	<i>Neoseiulus barkeri</i>	<i>Typhlodromus pyri</i>	<i>Typhlodromus caudiglans</i>	<i>Typhlodromus rhenanoides</i>	<i>Metaseiulus smithi</i>	<i>Metaseiulus citri</i>	<i>Metaseiulus johnsoni</i>	<i>Metaseiulus arboreus</i>	<i>Metaseiulus flumenis</i>	<i>Proprioseiopsis fragariae</i>	<i>Proprioseiopsis lindquisti</i>	<i>Amblyseius similoides</i>	<i>Amblyseius andersoni</i>	<i>Amblydromalus limonicus</i>	<i>Typhlodromalus peregrinus</i>	<i>Graminaseius graminis</i>	<i>Euseius tularensis</i>	<i>Euseius stipulatus</i>	<i>Euseius hibisci</i>	<i>Euseius quetzali</i>	
Citrus	2006–2018	Fresno, Tulare, Kern, Santa Barbara, Riverside, San Bernardino	21	No	994	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	755	36	182	19
Avocado	2000–2007	San Luis Obispo, Orange	11	Yes	1,892	0	1	3	37	4	0	0	0	0	0	0	10	0	0	0	0	0	0	0	17	0	0	0	0	0	123	1,694	3	
Cherimoya	2006–2007	Santa Barbara, Ventura	3	Yes	104	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1	0	0	0	92	0	5	
Blackberry	2006–2007	San Luis Obispo	2	Yes	106	0	9	14	24	49	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	7	0	0	0	1	0	0	
Raspberry	2006–2007	San Luis Obispo, Ventura	10	Yes	239	50	2	0	0	26	0	0	0	0	0	0	2	0	0	10	0	0	0	0	0	0	84	0	0	0	65	0	0	
Strawberry	2006–2010	Santa Cruz, Santa Barbara, Ventura	18	Yes	1,570	271	0	0	0	612	403	204	19	5	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	28	0	6	0	0
Grape	2005–2010	Lake, Napa, Mendocino, Sonoma, Madera, San Joaquin, Kern, Ventura, San Luis Obispo, Monterey	78	Yes	5,604	13	5	415	0	87	12	1	0	1	3,236	169	104	0	37	280	315	22	2	0	4	29	18	1	39	5	67	10	732	
Peach/ nectarine	2006–2007	Butte, Fresno, Kings, Tulare, Kern	19	No	576	0	0	35	0	1	0	0	0	0	0	168	0	0	2	0	0	0	0	0	74	0	0	0	0	213	0	1	82	
Plum/ prune	2006–2007	Butte, Kern	4	No	67	0	0	3	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	46	0	0	2	
Pear	1996–2008	Lake, Mendocino, Sacramento, Yolo	30	Yes	800	0	0	71	0	4	0	0	0	0	0	82	0	0	52	0	0	0	0	1	3	1	0	0	0	6	0	0	580	
Almond	2006–2018	Kern, Butte	9	No	174	0	0	6	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	104	0	0	0	0	14	27	0	11	
Walnut	2006–2013	Tehama, Butte, Yuba, Yolo, Sutter, Solano, San Joaquin, Kings, Tulare	24	Yes	2,533	0	0	362	0	5	0	0	0	2	0	223	0	1	90	0	0	0	0	0	919	0	0	0	0	78	596	10	247	
				Total number	14,659	334	17	911	61	788	415	205	19	8	3,236	658	116	1	195	291	338	22	2	1	1,125	30	110	1	67	1,117	1,013	1,897	1,681	

* Sites x years sampled.
† Yes = samples collected at intervals throughout the crop season. No = one or a few samples collected.