

Date _____
 Orchard _____

Tree No.	Total leaves sampled	Number of leaves with mites	Accum. total number of leaves w/mites	Number of leaves with predator mites & others
1	15			
2	30			
3	45			
4	60			
5	75			
6	90			
7	105			
8	120			
9	135			
10	150			
11	165			
12	180			
13	195			
14	210			
15	225			
16	240			
17	255			
18	270			
19	285			
20	300			

Fold here!

Almonds—Web-spinning Spider Mites Sampling

Supplement to UC IPM Pest Management Guidelines: Example Form

Directions:

- Before July 1, monitor hot spot areas where mites develop first. After July 1, monitor the whole orchard by dividing it into sampling areas that can be treated separately.
- Within each sampling area, sample a minimum of 5 trees. Select 15 leaves from each tree, randomly picking leaves from both the inside and outside of the canopy as you walk around it.
- Using a hand lens, examine both sides of each leaf carefully. Look for spider mites and eggs, western predatory mites and eggs, sixspotted thrips, and other predators. Look closely since there may be only 1 to 2 mites or predators on a leaf.
- Count the number of leaves on each tree with pest mites or their eggs, and the number of leaves with predators, and record below. Do not count individual mites or predators.
- As you move from tree to tree, keep a running total of leaves with mites on the form. Once you have sampled 5 trees, compare your total to the numbers in the "Don't treat" and "Treat" columns below.
- If your numbers are the **SAME OR LESS** than the "Don't treat" column, you can stop sampling. If your numbers are **AS MUCH OR MORE** than in the "Treat" column, stop sampling and treat. If your numbers are **IN BETWEEN**, continue sampling until a decision can be reached.

Fold here!

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 Orchard _____

Treatment Thresholds

Tree No.	Predators present		Predators absent	
	Don't treat if less than	Treat if total more than	Don't treat if less than	Treat if total more than
1				
2				
3				
4				
5	27	40	12	24
6	33	48	15	28
7	39	55	18	31
8	45	62	21	35
9	51	69	23	39
10	57	76	26	43
11	63	83	29	46
12	70	90	32	50
13	76	97	35	54
14	82	104	38	57
15	88	111	41	61
16	94	118	45	65
17	101	125	48	68
18	107	132	51	72
19	113	139	54	75
20	119	146	57	79

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