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## Nectarine—Dormant Shoot Sampling San Jose Scale (SJS), European Fruit Lecanium (EFL), and Mites

### *Supplement to UC IPM Pest Management Guidelines: Nectarine*

- Directions:**
1. Clip off 5 shoots from each of 20 trees for a total of 100 shoots. Choose these shoots randomly from the inside of the tree canopies near the main scaffold. Clip off a 3-inch section of the shoot that contains both 1- and 2-year old wood.
  2. Using a hand lens or microscope, examine the shoots and note the presence (+) or absence (-) of scales and parasitized scales, along with mite eggs. You don't need to count the individual insects or mite eggs, just identify the pest and record whether it is present. Compare the results to the treatment guidelines on page 2

Grower/Orchard \_\_\_\_\_

Date \_\_\_\_\_

Spur number	Spurs with				Mite eggs (+/-)
	SJS		EFL		
	Live (+/-)	Parasitized (+/-)	Live (+/-)	Parasitized (+/-)	
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Spur number	Spurs with				Mite eggs (+/-)
	SJS		EFL		
	Live (+/-)	Parasitized (+/-)	Live (+/-)	Parasitized (+/-)	
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					

Spur number	Spurs with				Mite eggs (+/-)
	SJS		EFL		
	Live (+/-)	Parasitized (+/-)	Live (+/-)	Parasitized (+/-)	
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					
Total					
% Presence					

Pest	Treatment threshold (% infested spurs)		Treatment
	Harvested before June 15	Harvested after June 15	
San Jose scale	Below 20%	Below 5%	None
	20-60%	5-10%	Oil at 6 gal/acre
	Over 60%	Over 10%	Oil at 2-6 gal/acre plus insect growth regulator <sup>1</sup>
European fruit lecanium	24% and below		No spray
	Over 24%		Oil spray
Mites: overwintering eggs	Below 20%		No spray
	20% and over		Oil only

<sup>1</sup>Using oil at the 4-6 gal rate will help prevent development of resistance to the IGR. If oil is used at the 2 gal rate, do not use the IGR in consecutive years to prevent resistance development.

