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Tomato—Armyworm Monitoring

Supplement to UC IPM Pest Management Guidelines: Tomato

Grower _____ Date of survey _____

Field location _____ Comments _____

How to sample

1. Start sampling for beet or yellowstriped armyworm damage when fruit has reached a diameter of 1 inch or more.
2. Pick at least 100 fruit at random while walking through representative areas of the field.
3. Count fruit as damaged if it has any hole deeper than 0.1 inch (2.5 mm), if the hole is contaminated with feces, or if any larvae are present in the fruit. Also look for fruitworm damage on fruit.
4. Record your sampling below.

Fruit sample	Damage (+/-) Armyworms	Fruit Sample	Damage (+/-) Armyworms	Fruit Sample	Damage (+/-) Armyworms
1		34		67	
2		35		68	
3		36		69	
4		37		70	
5		38		71	
6		39		72	
7		40		73	
8		41		74	
9		42		75	
10		43		76	
11		44		77	
12		45		78	
13		46		79	
14		47		80	
15		48		81	
16		49		82	
17		50		83	
18		51		84	
19		52		85	
20		53		86	
21		54		87	
22		55		88	
23		56		89	
24		57		90	
25		58		91	
26		59		92	
27		60		93	
28		61		94	
29		62		95	
30		63		96	
31		64		97	
32		65		98	
33		66		99	
				100	
				Total fruit damaged:	_____
				Total damaged/100 X100=%	_____
				Treatment threshold	3.25% damage by armyworms