

### 3 Easy steps for determine overwintering NOW population density in the mummies

#### Step 1 - Calc. trees per acre (Trs./Ac.)

Enter Trees per acre or	139		
Tree X row spacing in feet	Row space	Tree space	
Enter Values	19	16.5	

  

#### Step 2 - Enter mummies per tree (Mum./Tr.) from orchard samples

	Leave blank if none		Calculated mummies per acre per variety
	Average of 50 trees	% of planted acres	
Enter mummies per tree Variety 1 (min. 50 trees)	1.9	50.0%	132.0
Enter mummies per tree Variety 2 (min. 50 trees)	1.1	25.0%	38.2
Enter mummies per tree Variety 3 (min. 50 trees)	0.2	25.0%	6.9
Enter mummies per tree Variety 4 (min. 50 trees)			0.0
<b>Total mummies per acre</b>			<b>177.2</b>

  

#### Step 3. Enter number of NOW larvae found in orchard samples

	Enter 1 if none found		Calculated infest worms per acre per variety
	Total worms (meats and hulls)	# of nuts inspected	
Enter number of NOW larvae in mummies (Var. 1)	61	100	81.2
Enter number of NOW larvae in mummies (Var. 2)	14	100	3.3
Enter number of NOW larvae in mummies (Var. 3)	29	50	3.6
Enter number of NOW larvae in mummies (Var. 4)	1	1	0.0
<b>Total worms per acre</b>			<b>92.1</b>
<b>Total Female NOW per acre</b>			<b>46.1</b>

cell c2 has formula if deleted you will need to add F2 back into the cell  
 $(4156/9)*(C4*D4)/(E-1)$  ← c2 formula

$C2*C8*C8$  ← f8 formula  
 $C2*D9*C9$  ← f9 formula  
 $C2*D50*C10$  ← f10 formula  
 $C2*D51*C11$  ← f11 formula

$SUM(F10:F11)$  ← f15 formula

$(Q20/Q20)*F10$  ← f20 formula  
 $(Q21/Q21)*F11$  ← f21 formula  
 $(Q22/Q22)*F12$  ← f22 formula  
 $(Q23/Q23)*F13$  ← f23 formula

$SUM(F20:F23)$  ← f25 formula  
 $F25/2$  ← f26 formula

NOW damage estimator	Almonds
Enter expected Nonpareil yield in lbs	2500
Enter expected number of Nonpareil nuts per cu	24
Nuts per Nonp. acre (calc.)	960000
Enter desired Nonpareil harvest damage (by count)	0.50%
Enter NOW fecundity	150
Female NOW present per acre to cause damage	32

