

# VINE MEALYBUGS

## BY THE NUMBERS



BY: THE LODI WINEGRAPE COMMISSION

In the LODI AVA, our vine mealybugs have 5-7 generations per growing season. On average, the females lay 300 eggs each, with about half of those eggs being female.

### 1ST GENERATION

1 female +  
1 male mealybug

### 2ND GENERATION

1 female x 300 eggs  
= 300 mealybugs  
150 females

### 3RD GENERATION

150 females x 300 eggs  
= 45,000 mealybugs  
22,500 females

### 4TH GENERATION

22,500 females x 300 eggs  
= 6,750,000 mealybugs  
3,375,000 females

### 5TH GENERATION

3,375,000 females x 300 eggs  
= 1,012,500,000 mealybugs  
506,250,000 females

### 6TH GENERATION

506,250,000 females x 300 eggs  
= 151,875,000,000 mealybugs  
75,937,500,000 females

### 7TH GENERATION

by the 7th generation, those 2 original mealybugs are now  
**75,937,500,000** females x **300** eggs =

**22,781,250,000,000** mealybugs

which then overwinter under the bark and in the roots - helped by ants - until the Spring

