

Control of Mealybug in Grapes

APPLAUD® Insect Growth Regulator is an essential component in early control of mealybug in grapes. Applications of APPLAUD from delayed dormant to 4-6 inches of shoot growth significantly reduce overwintering populations to more manageable levels in-season.

Benefits of Using APPLAUD Early Season

- Controls overwintering nymphs and hatching eggs, reducing mealybug populations in-season
- Decreasing mealybug populations reduces the potential for virus transmission
- Helps avoid detection of buprofezin residues in grapes (table, raisin, wine) at harvest

Insects Controlled

- Mealybugs – grape mealybug, vine mealybug
- Leafhoppers
- Lecanium scale

Use Information

- Rate: 12 to 24 oz/A
- 200 gallons water per acre
- Spray coverage of the entire vine (whole trunk and arms) is essential for optimum insect control.

Product Information

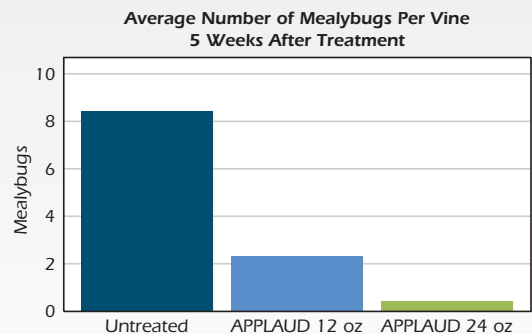
- Reentry Interval (REI): 12 hrs
- Preharvest Interval (PHI):
 - 12 oz rate – 7 days
 - 24 oz rate – 30 days
- IRAC Group 16 Insecticide



Vine Mealybug Feeding on Spurs at Budbreak

Efficacy of APPLAUD on Vine Mealybug Early Application

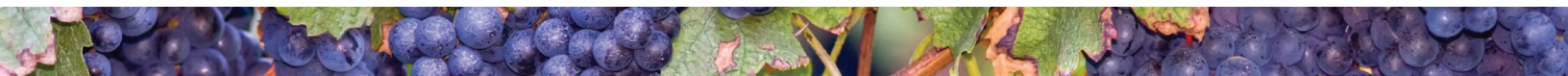
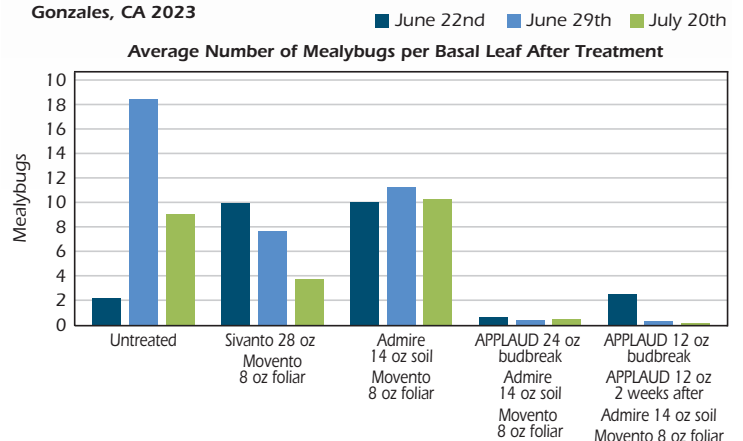
Mettler, CA 2023



Spray timing: 4-6 inches of shoot growth
Application date: April 11, 2023
Spray volume: 150 GPA
Efficacy evaluation: May 18, 2023

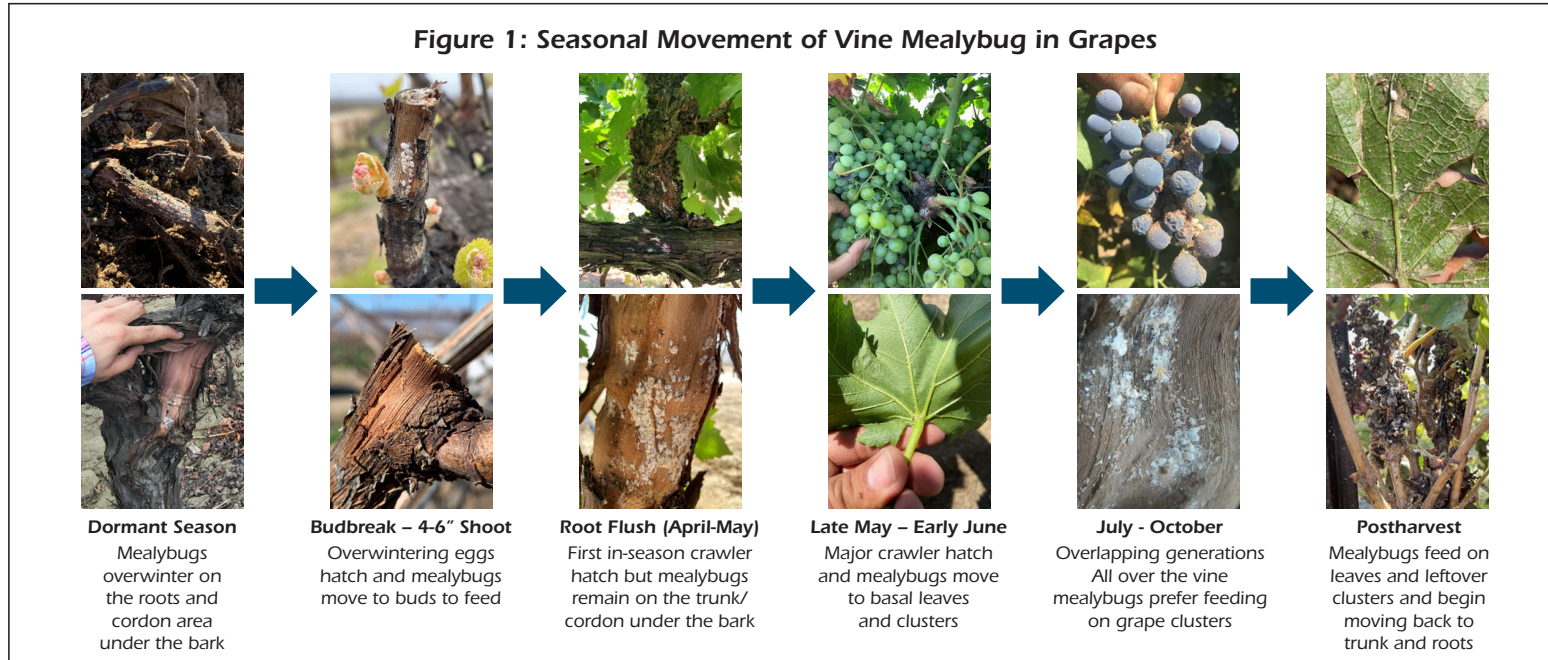
Efficacy of APPLAUD in Vine Mealybug Spray Programs for Wine Grapes

Gonzales, CA 2023



Season-Long Spray Program for Vine Mealybug Control in Grapes

Vine mealybug (VMB) overwinters in all developmental stages. As temperatures reach 65°F in the spring, VMB will begin to migrate to feed on the carbohydrates in the growing points. Once migration starts, VMB movement and feeding behavior will remain dynamic throughout the season (see Figure 1 below). Using an insecticide that is optimal for where the mealybugs are located is crucial as the season progresses. It is also important to remember there can be up to 7 generations of VMB per season; therefore, no single product can provide season-long control. With the loss of effective chemistries such as chlorpyrifos and continued regulatory pressure on neonics, a spray program approach which starts early in the year is the most effective and reliable way to get ahead of VMB and keep their numbers at manageable levels each season.



RECOMMENDED PROGRAM FOR MEALYBUG CONTROL IN GRAPES								
Phenology/Timing	Dormant	Delayed Dormant	Budbreak	4-6" Shoot Growth	Root Flush + Soil Applied	Late May - Early June	Preharvest* Clean up	Postharvest*
Wine Grapes		APPLAUD® 12-24 oz			Soil Applied Neonic	Movento®	Assail®	APPLAUD®
Table Grapes		APPLAUD® 24 oz					APPLAUD® 12 oz + Assail®	
Raisin Grapes (Drip)		APPLAUD® 24 oz			N/A	Assail®		
Raisin Grapes (Flood)		APPLAUD® 24 oz			N/A	Assail® or Sivanto®		

*Apply preharvest and/or postharvest only if necessary.
For APPLAUD, do not exceed 24 oz/A per season. Refer to product label for recommended rates for all other products.
Growers/Vineyard Managers should always consult with Grower Relations Representatives or Wineries to ensure APPLAUD is on the approved/conditional list.

