

How to Make Chill Hours Your Finest Hours

Are you having trouble getting the most out of your chill hours during the winter months?

Chill hours during the winter months are important to your almond crop's development—helping delay bud break and promote a more uniform bloom. More chill hours also mean increased storage of carbohydrates in your trees throughout the winter, potentially helping with your bloom the following spring. DIFFUSION® is the tool you need to maximize your chill hours.

Why Chill Hours Matter to You

On a sunny winter day, the average internal bud temperature is 10 to 15 degrees hotter than the ambient air. When you use DIFFUSION, you can lower this temperature, contributing to your chill hours. How so? One way to calculate chill hours is to count the number of hours your bud temperature is below 45°F but above 32°F. Being able to reduce your internal bud temperature with DIFFUSION allows you to better maintain temperatures within the optimum chill hour zone.

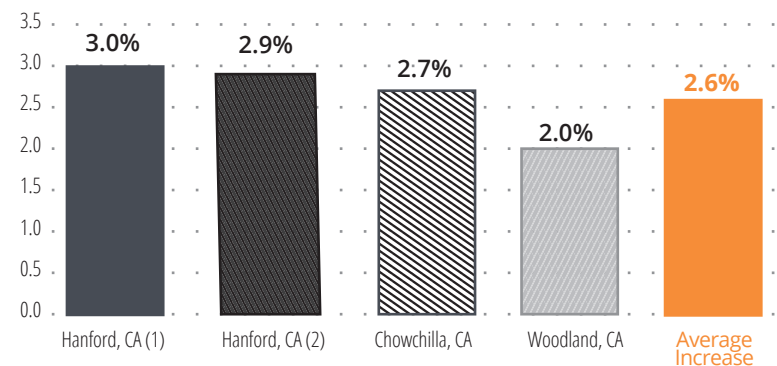
DIFFUSION in Action on Almonds

In four field trials, DIFFUSION created an average of 2.6% increase in chill hours. During these chill hour studies, temperatures were tracked daily using thermocouples to measure both air temperature and temperatures inside the buds.

Percentage Daytime Chill Hour Increase When Using DIFFUSION Over the Untreated Bud by Four Trial Locations

Four Almond Studies 2017-2019

MTS17-197003US01



DIFFUSION 2.6% Average Increase Over All Four Locations vs. Untreated

For more information about chill portion requirements by crop and its impact, visit [DIFFUSION.wilburellis.com](https://www.diffusion.wilburellis.com).

The DIFFUSION Differentiator

When you're looking to get the most out of your chill hours, the product you choose is important. DIFFUSION can make the difference. Its patented material is an easy-to-use liquid that's rainfast up to 6". Plus, you can tank mix DIFFUSION without affecting follow up spray applications. Remember, the correct amount of chill hours is needed for each crop. This makes it easier than ever to give your nut crops the sufficient chill hours they need this winter for proper growth next season.

Growers Know the Importance of Chill Hours



Maximizing your chill hours is imperative to maximizing your return on investment. We asked a few growers to share their experiences and results from increased chill hours provided by DIFFUSION. Here's what they had to say:

- ▶ *"We have been using it for 3 years now. We have had **increased yields every year since.**"*
- ▶ *"My **neighbor's trees are half the size of mine that were planted the same day.**"*
- ▶ *"We had the nursery treat our trees before planting, and we **only had to replant two trees out of 21 acres.**"*
- ▶ *"One of the treated pistachio blocks had **1,254 pounds more than the control and the control had 4,800 pounds!**"*
- ▶ *"I got **30% more pistachios where I sprayed it dormant.**"*

*Grower testimonials provided by OrCal

Are You Ready to Maximize Your Chill Hours?

Maximizing the chill hours benefits carry your trees through the winter months and even into the following spring, potentially affecting your bloom. DIFFUSION is easy to use and helps you get the most out of your chill hours so your orchards are best equipped to thrive next season. Get a head start on your season by contacting your local Wilbur-Ellis representative or learn more by visiting [DIFFUSION.wilburellis.com](https://www.diffusion.wilburellis.com) today.



[DIFFUSION.WILBURELLIS.COM](https://www.diffusion.wilburellis.com)

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