
CONTINUED RESEARCH

Over the past 3 years, Alzchem LLC & Alzchem GmbH has partnered with Masood Khezri, PhD from MARI Agricultural Research Institute to do the extensive research on the benefits of using Dormex® on Pistachios to mitigate the adverse effect of insufficient chill accumulation on Pistachios.

Dormex®, registered in 2021 for use in California, has shown very promising results in both "on" and "off" years.

Dormex® advances bloom synchronization between the male and female trees by inhibiting catalase activity and enhancing H₂O₂ content in buds, there by accelerating bud break,

(Amberger, 2013).



2025 Research Pre-View

Alzchem LLC and Alzchem GmbH are dedicated to bring you continued research proving the high efficacy of Dormex®.

In 2025 we will be conducting these same trials on other varieties such as Randy and Golden Hills.



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Pistachios Three-Year Trial Review 2022 - 2024



Proper Dormex®
Application Timing
Improves Yields



INCREASES YEAR AFTER YEAR AFTER YEAR

The results are in and year after year after year Dormex® performs! Even in “ON” years, because of Dormex®’s ability to synchronize the male and female blooms, Dormex® performed over and above the cost of the application.

Year over year, “on-year” or “off-year” Dormex® performs on Pistachios.

It consistently advances both the male and female bud swell bloom window by 10 to 13 days compared to the control, with complete coverage and overall of the bloom windows.

The synchronization in using Dormex® ensures that the entire female bloom period is pollinated, providing optimal conditions for fruit set.

Application timing of Dormex® is critical. **Growers need to MAXIMIZE NATURAL CHILL PORTIONS BEFORE spraying Dormex®!**

In addition to NATURAL Chill Portions, calendar timing is also important. **Per the Dormex® label: growers need to apply 30 days before anticipated bud-break.**

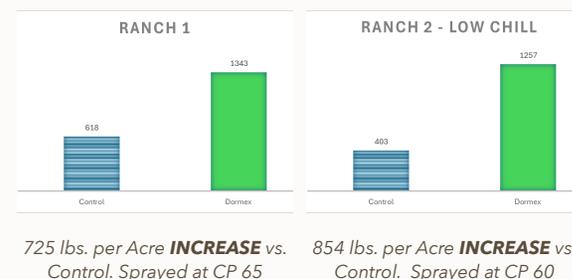
You can see in our trials we sprayed at Chill Portions ranging from CP59 this past year to CP70 in 2023. Calendar dates were roughly the last week of February. As a rule of thumb, (and every year is different); 1) maximize NATURAL chill and 2) spray between February 15th and the first of March - - but always 30 days before anticipated bud-break per the Dormex® label.

2022 PISTACHIO TRIALS - “OFF YEAR”

Two trials here at two locations. Ranch 1 (average chill) & Ranch 2 (low chill).

Ranch 1 **INCREASED yield by 725 lbs. per acre vs the control.** Sprayed February 24 at 65 Chill Portions.

Ranch 2 **INCREASED yield by 854 lbs. per acre vs the control.** Sprayed February 28 at 60 Chill Portions.

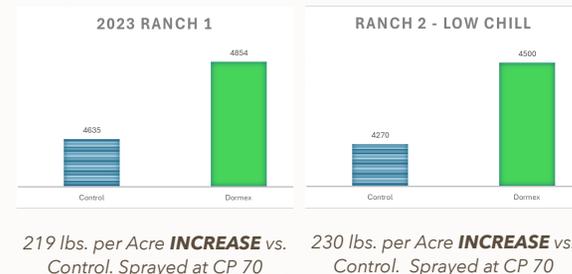


2023 PISTACHIO TRIALS - “ON YEAR”

This year was a record year with almost perfect chill. Trials were on Ranch 1 and 2 again.

Ranch 1 **INCREASED yield by 219 lbs. per acre vs the control.** Sprayed February 18 at 70 Chill Portions.

Ranch 2 **INCREASED yield by 230 lbs. per acre vs. the control.** Sprayed February 21 at 70 Chill Portions.



2024 PISTACHIO TRIALS - “OFF YEAR”

This year was troubled by extremely low chill well into February. Our Trial was only at Ranch 1 but in a large replicated Randomized Complete Block Design with 3 blocks. Each block were 10 rows with 158 trees including the male row. Total trees treated 14,220. Ranch 1

INCREASED yield by 763 lbs. per acre vs. the control. Sprayed February 22 at 59 Chill Portions.

