

# Better Yields with Merivon<sup>®</sup> Fungicide

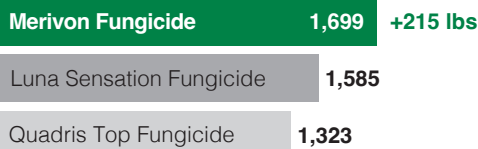
## Superior Yield Increases Even Under Dry Conditions

Even in a depressed almond market, Merivon fungicide yields can net you a positive ROI compared to Luna<sup>®</sup> Sensation fungicide and Quadris Top<sup>®</sup> fungicide.

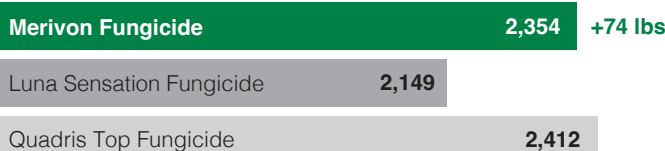
### Three Year Average



### 2018



### 2019



### 2020



200      700      1,200      1,700      2,200      2,700      3,200

Almond Meat Yield (lbs/A)

**Trial Location:** Arbutle, CA. Full programs to evaluate yield. **Plot Size:** 5 acres. Fungicides applied at full bloom. Site selected due to low incidence of disease to show Plant Health benefits. **Variety:** Nonpareil. **Almond Yield Trials:** Trials at 24 locations in Northern CA, with dry conditions during bloom. Low to no disease observed at all locations.

## ROI Calculator



### Assumptions

a. Almond Market Price:

\$/lb

b. Average Yield Increase Over Competitive Fungicides:

lbs/A

c. Profit From Increased Yield (axb):

\$/A

d. Merivon Fungicide Price Per Acre at 5.5 oz:

\$/A

e. Competitive Fungicide Price Per Acre at 5 oz:

\$/A

f. Price Per Acre Difference Between Merivon Fungicide and Competitive Fungicide (d-e):

\$/A

g. ROI (c/f):

:1

# Invest Early for Maximum Returns

## Benefits of Merivon® Fungicide Application During Dry Bloom

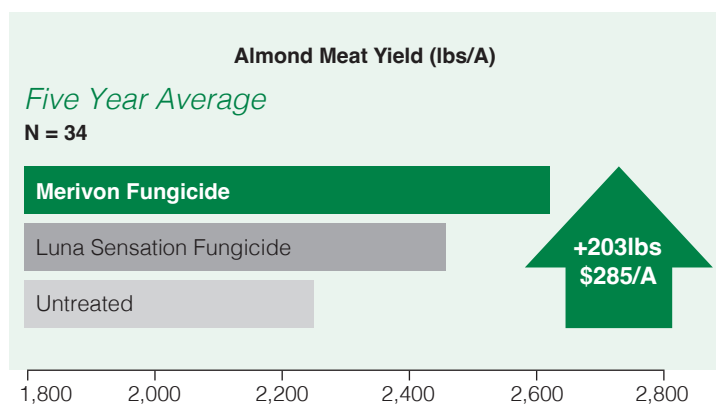
- Higher yield potential
- Systemic activity for consistent performance
- Long-lasting disease protection

### Plant Health Benefits

- Increased frost tolerance
- Increased root mass for better nutrient uptake
- Increased tolerance to drought stress

## An Investment Worth Making

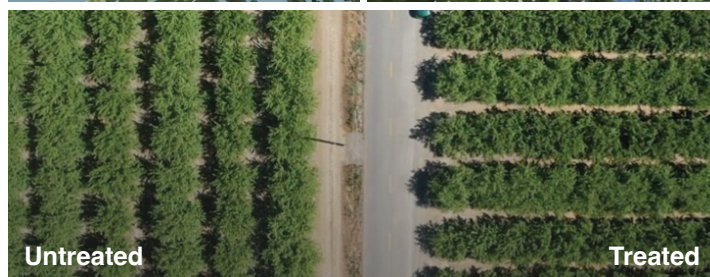
- Backed by over a decade of research and field trials in almonds, Merivon fungicide has been shown to provide unique yield benefits regardless of disease pressure when applied at bloom
- In 34 trials conducted from 2013 to 2017, Merivon fungicide delivered on average 203 lbs more than Luna® Sensation fungicide
- At a price of \$1.40 per lb, that could mean an average ROI of \$285 per acre when compared to Luna Sensation fungicide



BASF sponsored on-farm evaluations across 34 trial locations in Northern CA almond producing areas. Bloom sprays with either Merivon fungicide or Luna Sensation fungicide with no other changes to production systems.

## The Added Edge of Merivon Fungicide During Frost at Bloom

- Many California almond growers experienced the benefits of Merivon fungicide during the 2022 frost event
- From February 23–25 during full bloom, Northern California endured sub-freezing temperatures for an average of nine hours per day<sup>1</sup>
- Growers who applied Merivon fungicide witnessed significant frost tolerance benefits such as improved blossom retention, better nut set and healthier plants when compared to untreated orchards



**Orchard location:** Arbutle, CA. Full program to evaluate yield in adjoining orchards treated with Merivon fungicide when applied at full bloom on February 23, 2022. Sites selected due to 2022 frost event during bloom to show Plant Health benefits for frost tolerance. **Varieties included in evaluation:** Nonpareil, Independence, Butte, Aldrich, Monterey.

## Best Use Recommendations

- 5.5 oz/A at full bloom
- For yield maximization and broad spectrum disease control

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We create chemistry



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**Merivon®**  
Xemium® Brand Fungicide

### Always read and follow all label directions.

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1. California Irrigation Management Information System. (2022). Hourly Report, Williams - Sacramento Valley - Station 250. [Data report]. Retrieved from <https://cimis.water.ca.gov/WSNReportCriteria.aspx>