

 **Romeo CA** ←

Your Innovative
Biofungicide Against
Foliar Fungal Diseases





...➤ Each and every day, modern agriculture faces many challenges – some old, some new. But at Wilbur-Ellis, we believe every challenge has a solution. That’s why we offer premier, cutting edge biological solutions across categories — like biopesticides, biofertilizers, and biological soil amendments — that don’t just get the job done, but win your trust in overcoming any challenge you face.

THE STRUGGLES OF TODAY’S INDUSTRY

Farming is harder than it’s ever been before. Every day growers and businesses alike face pressures regarding sustainable farming, regulatory policies, residue management—the list goes on and on. Biologicals have quickly emerged as the category that can help you alleviate these pressures and more while still delivering the value you need to see for your fields to make a difference on your bottom line.

THE WILBUR-ELLIS DIFFERENCE

We do more than address a problem—we solve it. Why? Because we offer our growers a full spectrum of service—from big-name products to precise, sophisticated cutting age biological offerings—to suit their every need. Wilbur-Ellis can deliver this because of our excellent relationships with many preeminent suppliers across the industry. Plus, we have a huge pipeline of products we are collaboratively developing with our partners, ranging from entire organisms that control pests to specific pieces of protein that can match the power of synthetic chemistries.

The information contained within this booklet is applicable for Romeo CA in California and for Romeo in all areas outside of California.

 **Romeo CA**

 **Romeo**



Romeo CA



Romeo CA is a preventive biofungicide that signals plants to produce compounds to control various plant pathogens. The yeast-based active ingredient is nonliving and contains five constituents, each individually and uniquely contributing to disease control. If you're looking for effective, sustainable products to incorporate into your IPM program, look no further Romeo CA, exclusively distributed by Wilbur-Ellis. This powerful product is approved for organic production and delivers results against powdery mildew that compete with conventional solutions, making it the perfect option to include in your IPM rotation.

- | | |
|--|---|
| • Systemic Resistance Inducer | • Low Use Rate |
| • Multi-Target: Effective Against Several Foliar Fungal Diseases | • Easy to Integrate into Your IPM Program |
| • No Residue | • OMRI Approved |
| • Long Shelf Life | • Plant Strengthening |



ROMEO CA'S ISR CAPABILITIES

Romeo CA contains compounds that stimulate the plant's natural response and activating Induced Systemic Resistance (ISR). Because Romeo CA simulates a fungal attack, it generates internal defense responses, helping the plant set up its natural defense mechanisms and strengthening it against future attacks. Romeo CA is preventative in nature and must be applied before disease symptoms are observed.



Preventative Disease Control

Triggers plants' natural defenses that prevent onset of plant diseases.



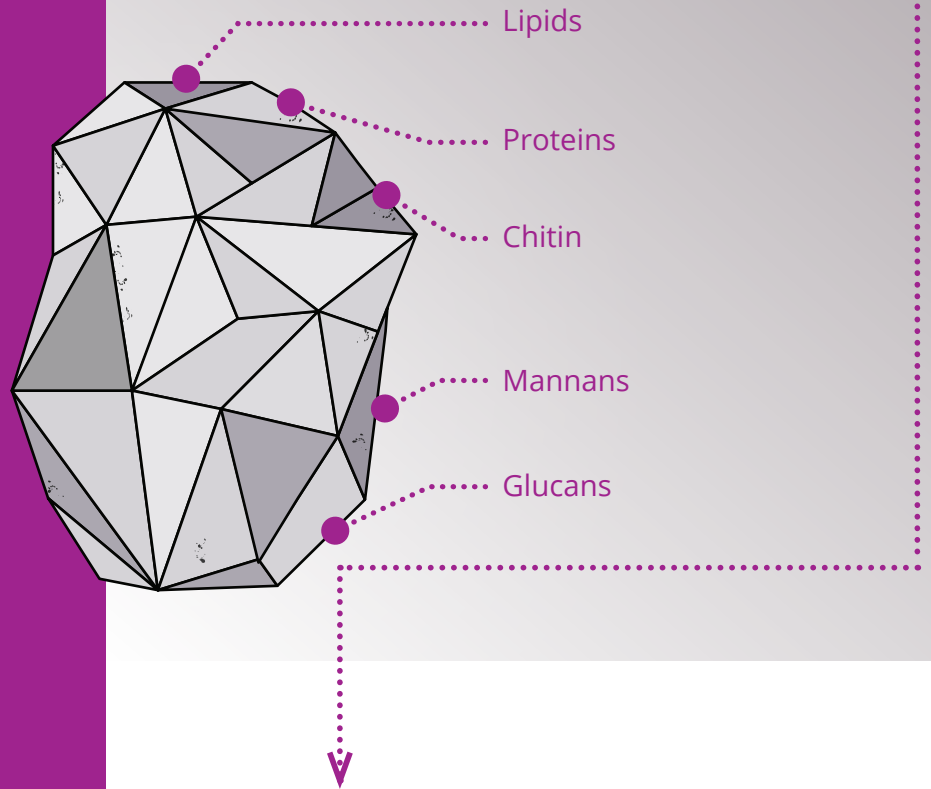
Plant Strengthening

Increases concentration of disease-fighting antimicrobial compounds for 7-10 days.



Complements Other Chemistries

Improved plant function enables tank mixed chemistries to perform better.

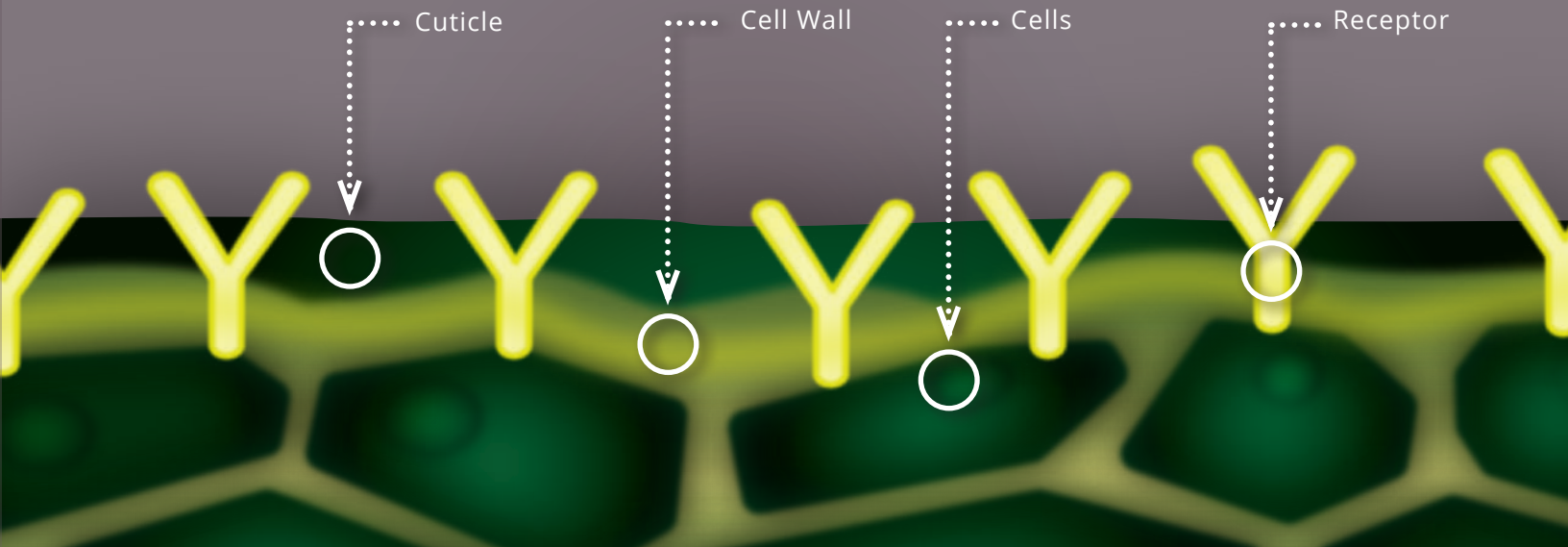


ROMEO CA IS PREVENTATIVE IN NATURE

Romeo CA is created from the active ingredient, Cerevisane®. Within the yeast cell wall of Cerevisane the molecules concentrate into polysaccharides of lipids, proteins, mannans, glucans, and chitin. When applied, Romeo CA simulates pathogenic fungus attacks and initiates the internal defense mechanisms of the vine or tree. This initiation fortifies the physical and biochemical defense mechanisms to be able to withstand future fungal attacks.



Romeo CA simulates a pathogenic fungal attack that signals plants to produce compounds that prevent the onset of plant diseases.



ROMEIO CA PROTECTS YOUR CROP AGAINST FUNGAL ATTACKS BY ACTIVATING NATURAL DEFENSE MECHANISMS.

Once applied to the crop, Romeo CA's active ingredient Cerevisane is recognized by specific cellular receptors as a fungal attack initiating the production of defense molecules such as salicylic acid, jasmonic acid, and ethylen in the crop. At a DNA level, PR proteins and phenolic compounds are induced for the defense of the plant. Finally, after Romeo CA is applied the crop will produce a physical barrier by strengthening the leaf's cuticle.

Romeio CA is preventative and must be applied before disease symptoms.

RATES AND TIMING

Romeio CA can be applied alone, as a part of an IPM program, or tank mixed.

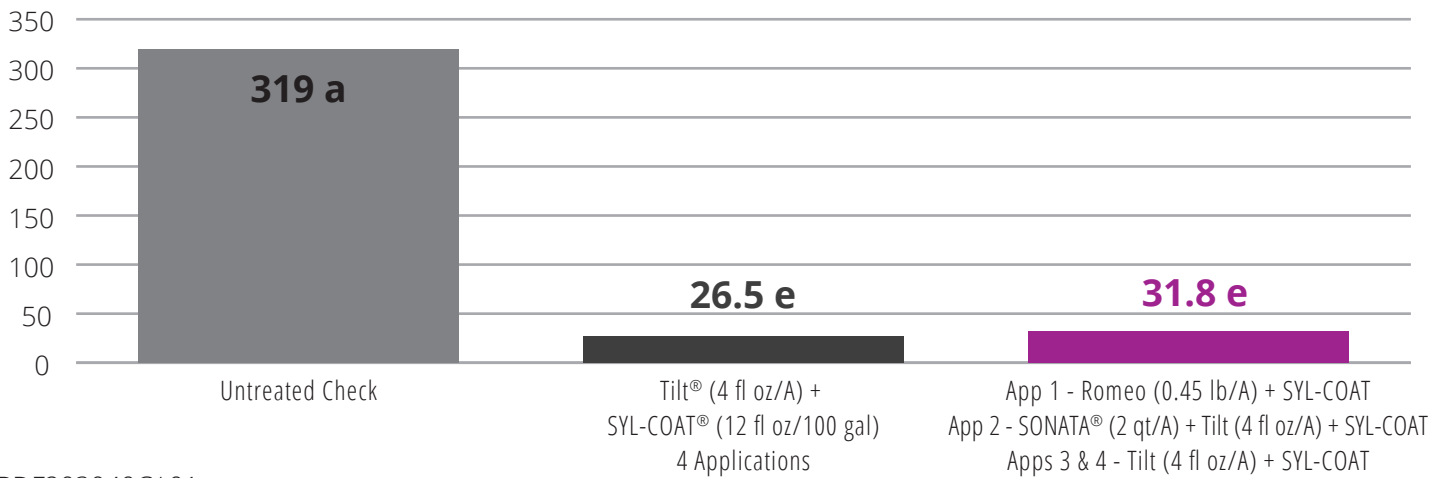
➤ **PROVEN RESULTS** ➤

Almonds



Starting a Program with Romeo CA Controls Monilinia as Well as a Full Conventional Program

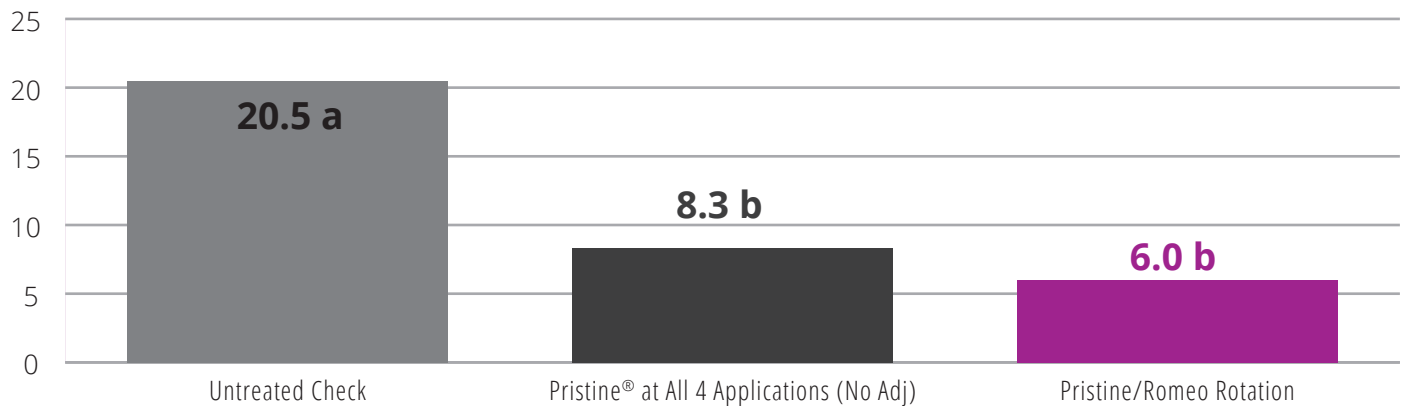
Monilinia Disease - Strikes/Tree (20 Days After 4 Applications)



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Romeo CA Improves Efficacy of Conventional Fungicide Programs

Blossom Blight - Strikes/Tree (40 Days After 3rd Applications)



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Pristine® at All 4 Applications (No adj)			
Pristine	14.5 oz wt/A	A	Pink bud
Pristine	14.5 oz wt/A	B	Full bloom
Pristine	14.5 oz wt/A	C	Petal fall
Pristine	14.5 oz wt/A	D	Scab timing

Pristine/Romeo CA Rotation			
Pristine + EMBRECE-EA®	14.5 oz wt/A + 16 fl oz/100 gal	A	Pink bud
Romeo CA + EMBRECE-EA	0.45 lb/A + 16 fl oz/100 gal	B	Full bloom
Pristine + EMBRECE-EA	14.5 oz wt/A + 16 fl oz/100 gal	C	Petal fall
Romeo CA + EMBRECE-EA	0.45 lb/A + 16 fl oz/100 gal	D	Scab timing

Means followed by same letter do not significantly differ. If graph contains multiple bars/lines, means from different evaluations (different colored vertical bars or different points on a line) do not correspond. (Non-Nutrition/Biological: $\alpha=0.05$, Nutrition/Biological: $\alpha=0.10$, LSD). If no letters are present, there is no significant difference.

Grapes

Powdery Mildew on Grapes



Reduced Ref + Romeo CA

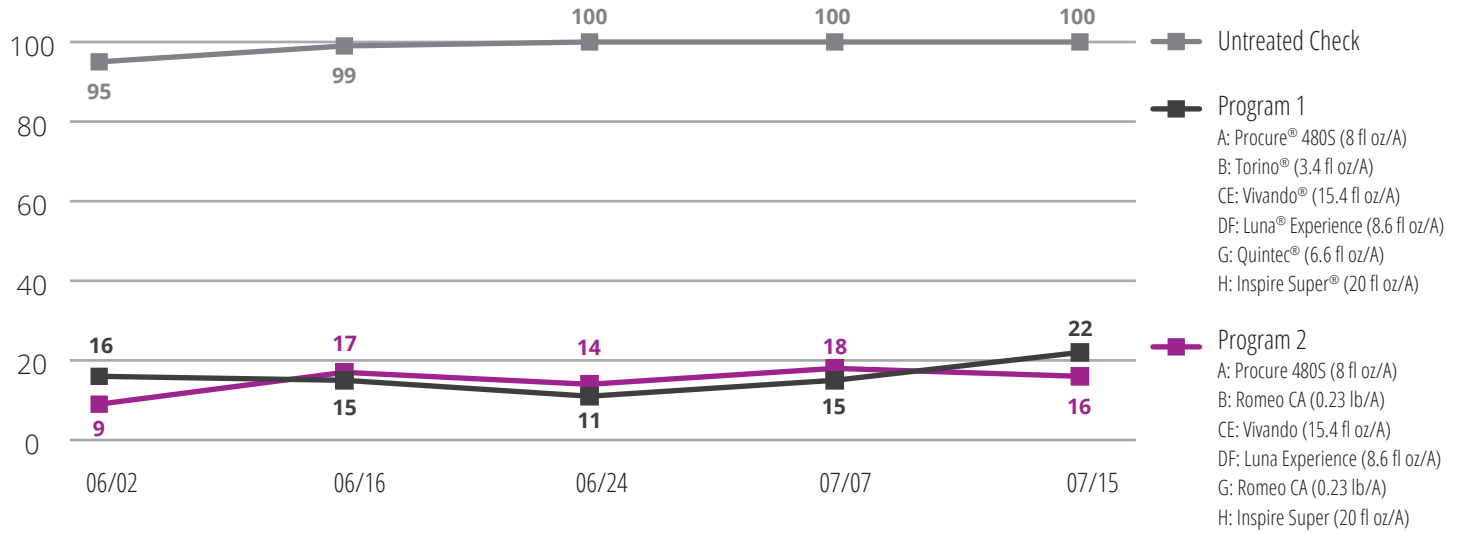
Untreated Check

Data Supplied by Agrauxine | Hickman, CA

June 27, 2020

Romeo CA Enhances Conventional Fungicide Programs in Grapes

Incidence on Clusters %

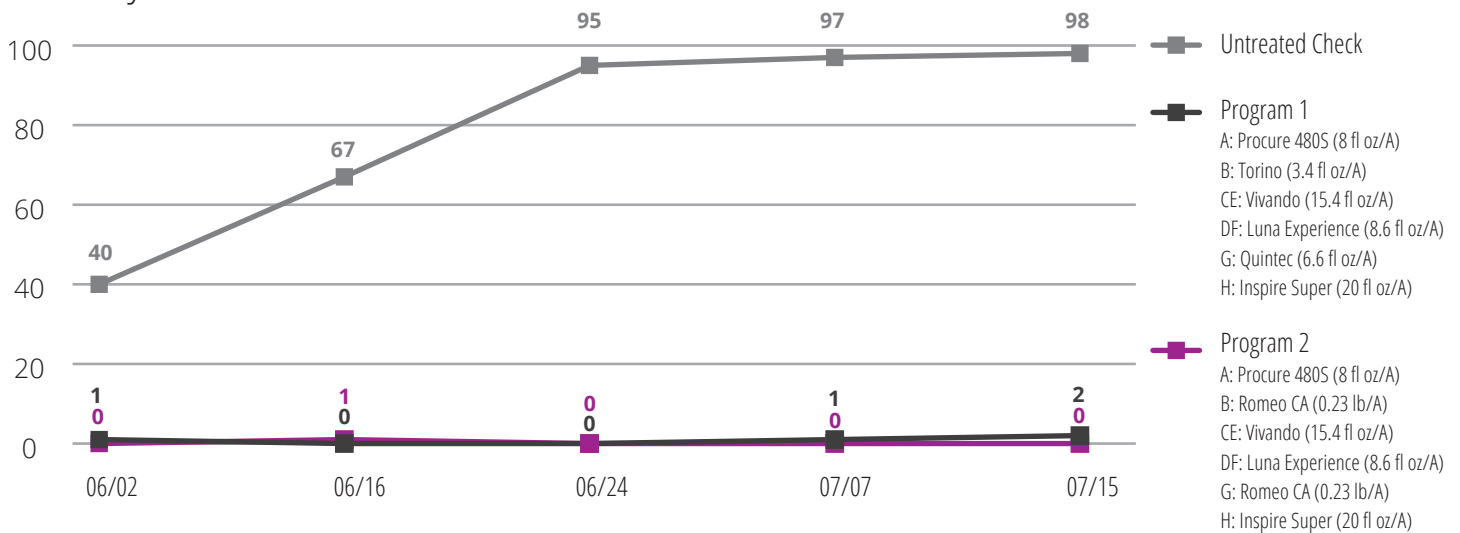


- Very high disease pressure (100% incidence in UTC).
- Chemical program and chemical rotating with Romeo CA program show similar protections (same stat group).

Data Supplied by Agrauxine | Hickman, CA 2020

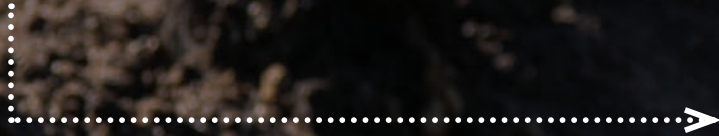
Romeo CA Enhances Conventional Fungicide Programs in Grapes

Severity on Clusters %



- Very high disease pressure (95% severity in UTC).
- Very high protection of both chemical and chemical/Romeo CA programs (100% efficacy).

Data Supplied by Agrauxine | Hickman, CA 2020

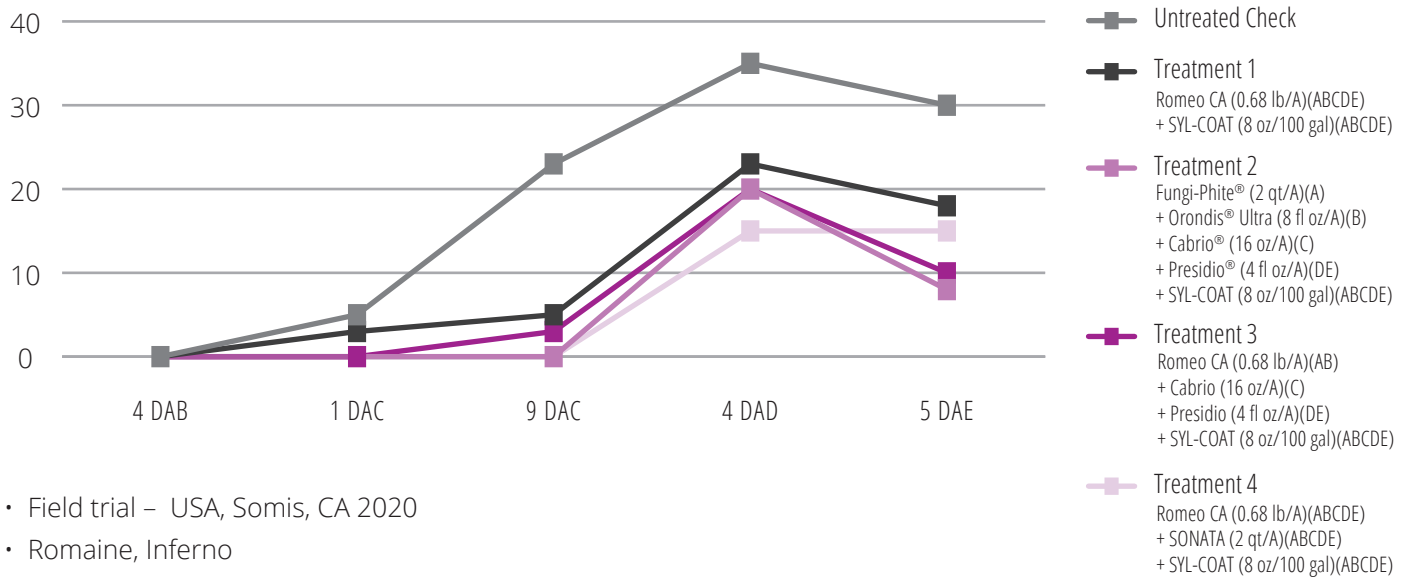


Leafy Greens



Romeo CA Used in an Organic or Conventional Program Reduces Disease Incidence

Incidence %

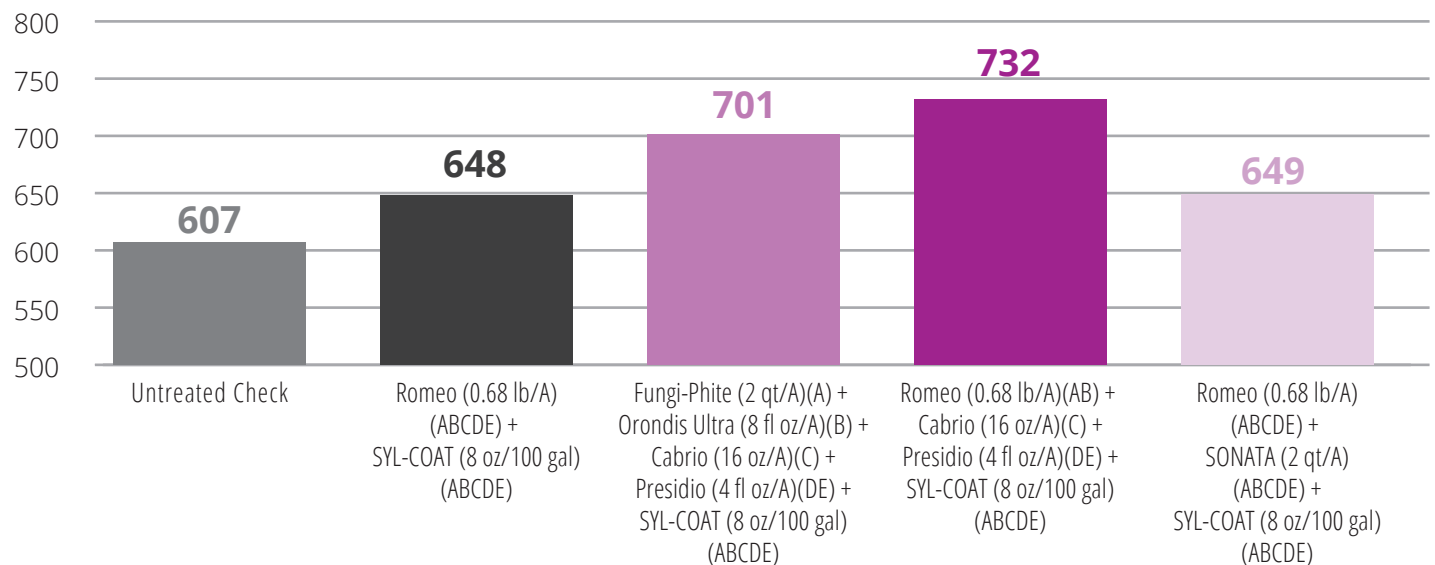


- Field trial – USA, Somis, CA 2020
- Romaine, Inferno
- 5 foliar applications – 7/10 days interval – 50-100 GPA
- Natural contamination

Data Supplied by Agrauxine

Romeo CA in a Conventional Fungicide Program Increases Yield Over Other Programs

Number of Boxes/Acre



- Romeo CA stand alone increases the yield by +7%
- Romeo CA program increases the yield by +21% compared to UTC
- +4.5% compared to the conventional program

Data Supplied by Agrauxine



Romeo CA



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