



# RANMAN<sup>®</sup>

400SC FUNGICIDE

# TIMOREX<sup>®</sup> GOLD

A BROAD SPECTRUM  
NATURAL FUNGICIDE




## RANMAN 400SC Fungicide +TIMOREX Gold Fungicide

### A revolutionary preventative disease program in cucurbit, fruiting and leafy vegetables

A tank-mix application of RANMAN<sup>®</sup> 400 SC fungicide and TIMOREX Gold<sup>®</sup> fungicide delivers a powerful broad spectrum for control of troublesome diseases on cucurbit vegetables, fruiting vegetables and leafy vegetables.

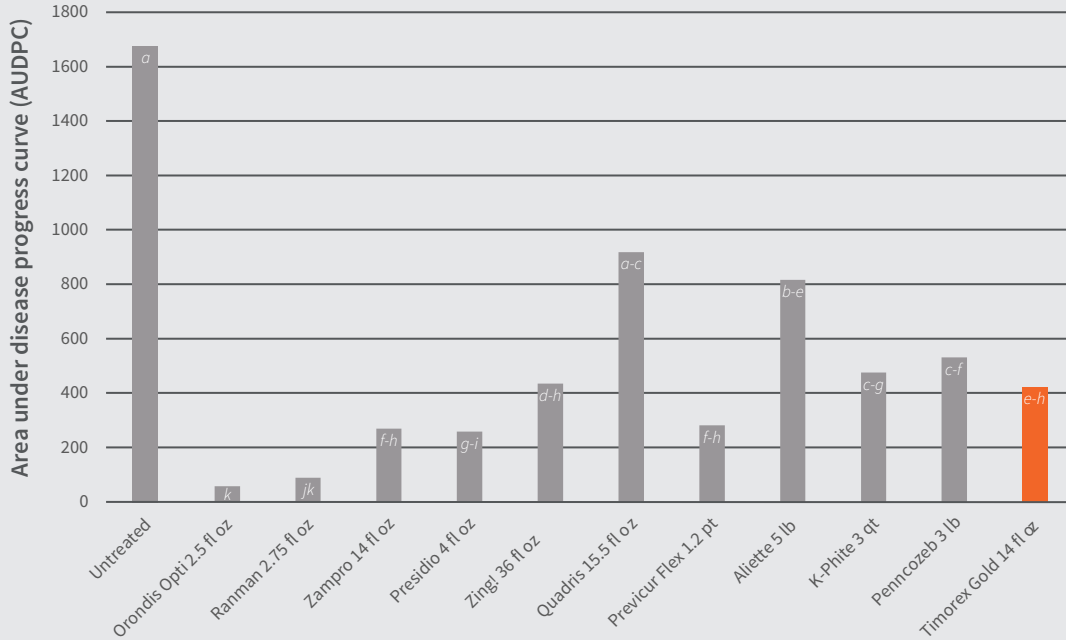
<b>RANMAN</b> <b>Proven disease control with no resistance issues</b>	<b>TIMOREX Gold</b> <b>A natural botanical broad-spectrum fungicide</b>
<p>RANMAN provides excellent activity on the Oomycete fungi such as Phytophthora, Plasmopara, Pseudoperonospora, Pythium and Aphanomyces. Its spectrum of exceptional control extends to late blights, downy mildews and Phytophthora blight. The added advantage to RANMAN is the fact that it is the only FRAC 21 fungicide. This means zero resistance issues.</p>	<p>TIMOREX Gold is a bio-fungicide, based on a botanical extract from a species of tea tree known as Melaleuca alternifolia. Because of its unique activity, TIMOREX Gold is placed in a new FRAC group—F7. Timorex Gold controls a wide range of pathogens, including bacterial pathogens, and the major fungal pathogens Erysiphe, Botrytis, Sclerotinia, Bremia, Pseudoperonospora, and Phytophthora.</p>

### A powerful combination to control a broad spectrum of diseases

 <b>Cucurbits</b>	 <b>Fruiting vegetables</b>	 <b>Leafy vegetables</b>
<p>The tank-mix of RANMAN and TIMOREX Gold has excellent activity on Downy mildew, Phytophthora blight, and Powdery mildew. On Downy mildew, both RANMAN and TIMOREX Gold have excellent activity on this organism. This provides a double level of disease control on this hard-to-control disease.</p>	<p>For this crop group the major diseases include Powdery mildew, Late blight, Phytophthora blight, and Botrytis. RANMAN plus TIMOREX Gold provides excellent control of these four diseases plus offers suppressive activity against early blight.</p>	<p>In this crop group, including the major crops lettuce and spinach, the combination of RANMAN and TIMOREX Gold provides excellent preventative activity against Downy mildew, Grey mold, and Drop (both species of Sclerotinia). Again, the mixture delivers maximum activity by controlling Downy mildew with two modes of action.</p>

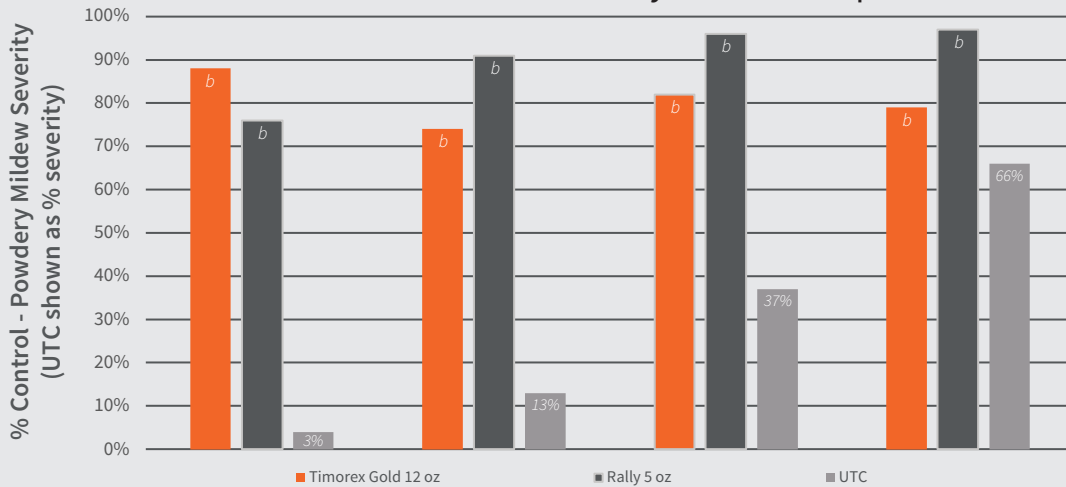
# Data tells the story of the power of RANMAN and TIMOREX Gold

## Control of Downy Mildew in Cucumbers



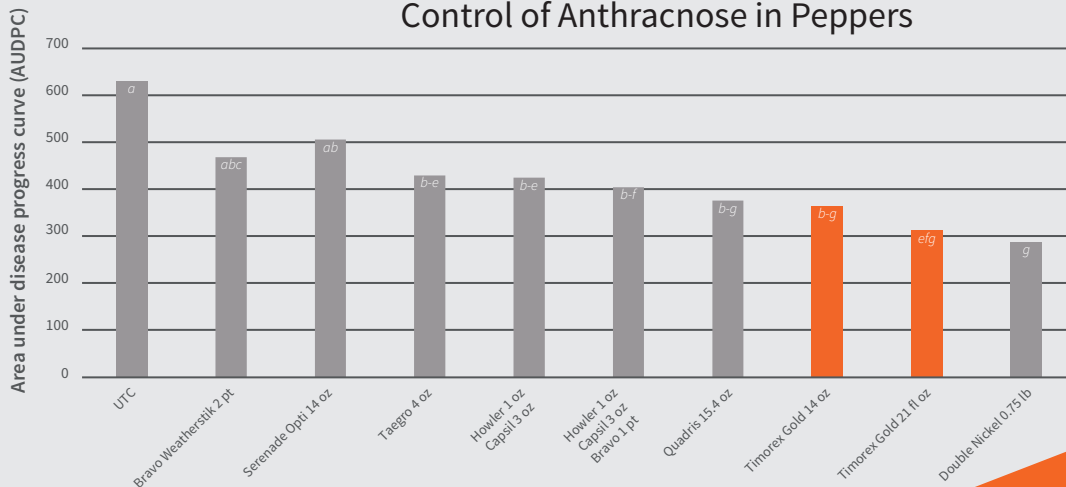
Cucumber: 'Dasher II' 2016  
Downy mildew: *P. cubensis*  
A. Shirley and G. Vallad  
Univ. of Florida, GCREC,  
PDMR 11:V060

## Control of Powdery Mildew in Squash



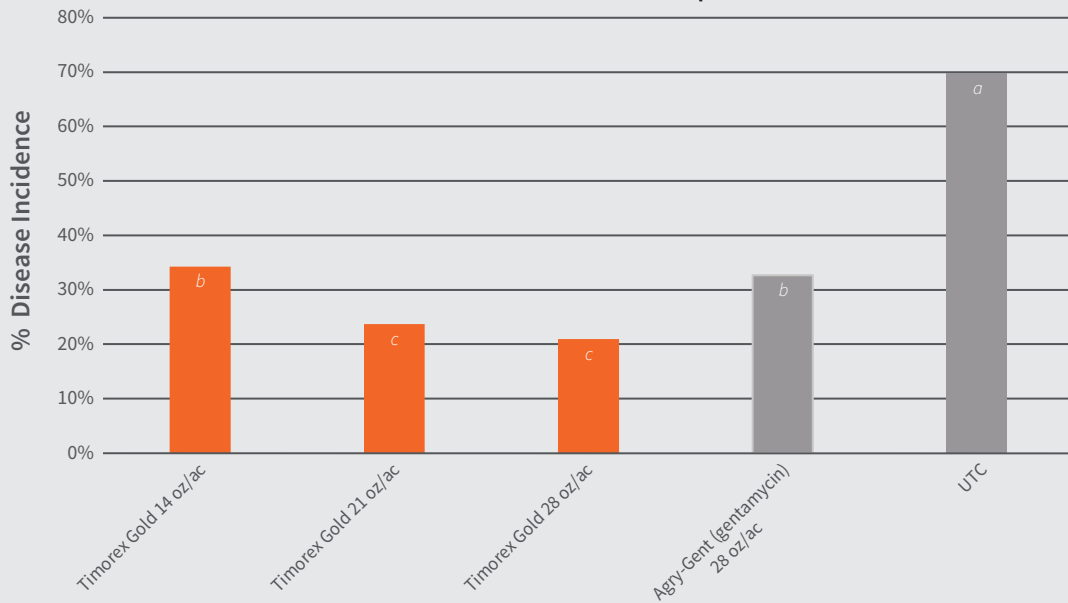
US1618  
Simplot Grower Solutions,  
Porterville, CA, USA, 2016,  
applications every 7 days,  
(*Erysiphe cichoracearum*)

## Control of Anthracnose in Peppers



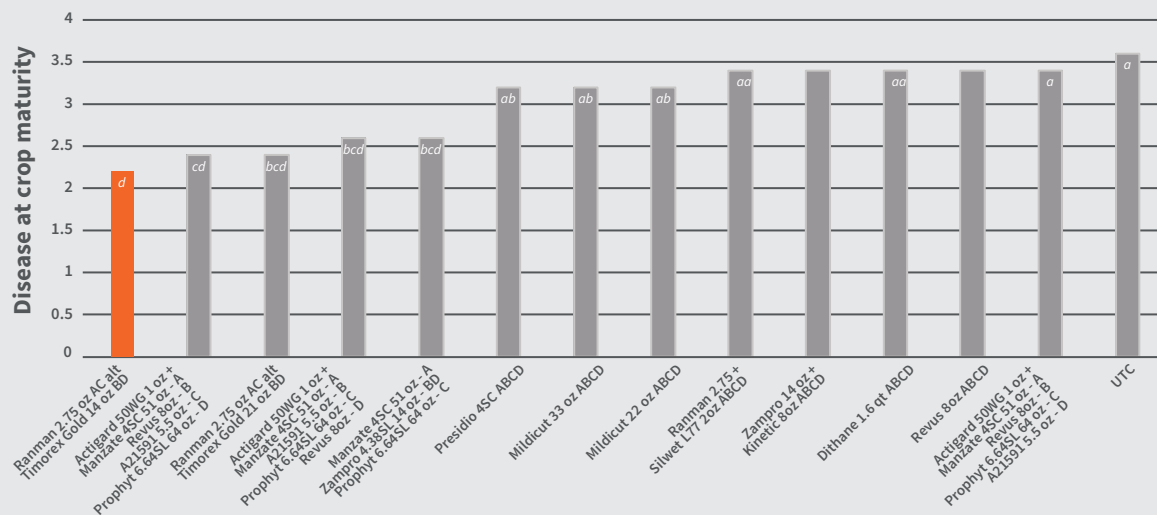
IFAS  
Dr. Vallad, Spring 2017;  
inoculated test

## Control of Bacterial Spot in Tomatoes



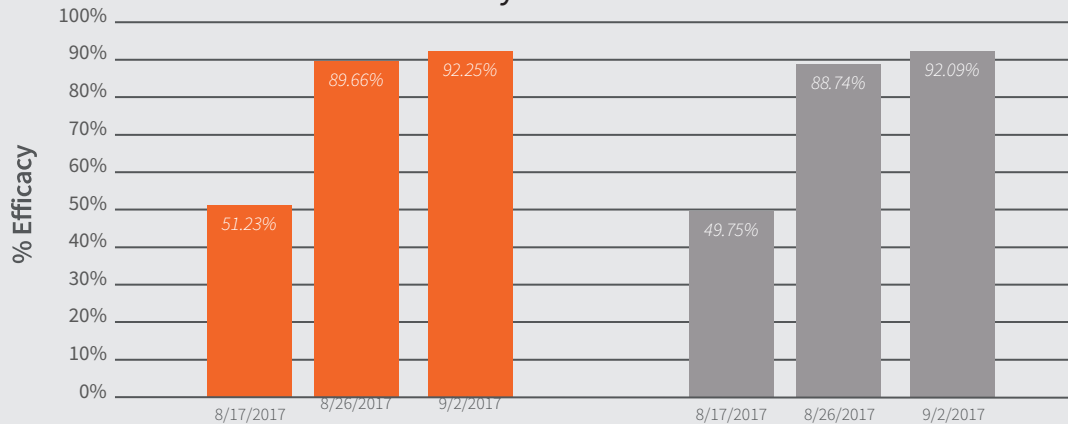
5 applications, 6 day intervals  
(*Pseudomonas syringae*)  
in Tomatoes, Mexico, 2013

## Programs for Seasonal Control of Downy Mildew in Lettuce



US1732,  
U of Arizona, Yuma  
Dr. Michael Matheron  
4 applications  
Jan 20 through Feb 23  
variety Eblin

## Downy Mildew Control in Lettuce



US1732  
Coastal Ag Consultants Salinas, CA  
4 treatments on 5-10 day, 40 GPA,  
Iceberg lettuce cultivar Salute  
Cost estimates for annual program  
provided by UC-Davis  
Cost and Return Studies, 2017

Cyazofamid 2.75 oz/ac +  
Timorex Gold 21 oz/ac

Previcur Flex (Propamocarb Hydrochloride),  
Aliette (Aluminum Tris), Reason (Fenamidone),  
and Dithane (Mancozeb)

## Rate and use information

When used in a tank mix apply 2.75 fluid ounces of RANMAN per acre in combination with 14 fluid ounces of TIMOREX Gold per 100 gallons of water. If less than 100 gallons of water is used, maintain the RANMAN use rate and adjust the Timorex Gold rate to a dilution ratio of 0.14 ounces per 1 gallon of water. If 50 gallons of water is used adjust the Timorex Gold rate to a dilution ratio of 0.28 ounces per 1 gallon of water.

If applications are made when the potential for the following diseases may develop, you should increase the TIMOREX Gold rate to 21 fluid ounces. Those diseases are Anthracnose on fruiting vegetables and Drop on lettuce (both species of Sclerotinia). Also 21 fluid ounces of TIMOREX Gold is recommended for control of the bacterial diseases on fruiting vegetables.

In preparing the RANMAN 400 SC and TIMOREX Gold tank-mix, use the following mixing order:

1. Fill the tank with half of the water
2. Add any adjuvants or water conditioners
3. Add the TIMOREX Gold
4. Add the RANMAN
5. Add the remaining water

**PRIOR TO USE PLEASE REFER TO THE LABELS OF EACH PRODUCT FOR ADDITIONAL INFORMATION AND COMPLETE USE INFORMATION. PLEASE CHECK FOR COMPATIBILITY OF THIS TANK MIX PRIOR TO USE.**



**Always read and follow label directions.**

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