

CRUISERMAXX[®] RICE HYBRID RICE OVER-TREATMENT

Better stands, more vigorous plants,
higher yields

VIBRANCE[®]

Classification: Public, Not for Distribution



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BENEFITS OF HYBRID RICE OVER-TREATMENT

Adds the power of CruiserMaxx®
Rice insecticide-fungicide seed
treatment to a typical base
treatment

Higher stand counts

Vigor improvement
you can see

Higher yields

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Key Differences in Fungicide Package Between CruiserMaxx Rice and NipsIt Suite System



- Apron XL (Mefenoxam*)

- 0.36 fl oz/cwt
- Pythium

- Maxim 4 FS (Fludioxonil)

- 0.044 fl oz/cwt
- Fusarium, Rhizoctonia

- Dynasty (Azoxystrobin)

- 1.0 fl oz/cwt
- *Rhizoctonia*, *Pythium* and seed borne rice blast – *Pyricularia grisea*

- Sebring (Metalaxyl)

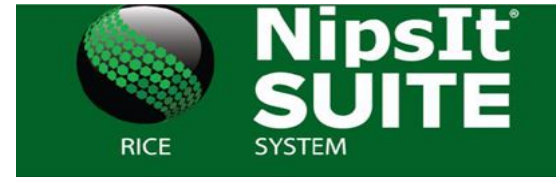
- 0.40 fl oz/cwt
- Pythium

- Spiranto (Fludioxonil)

- 0.08 fl oz/cwt
- Fusarium, Rhizoctonia

* Mefenoxam is the active isomeric form of metalaxyl. The active isomeric form comprised 50% of metalaxyl. Mefenoxam is 100% active isomer.

Significant difference in insecticide rate Between CruiserMaxx Rice and NipsIt Suite System



- Cruiser 5FS
 - 3.68 fl oz/ct
- Nipsit Inside
 - 1.92 fl oz/cwt

CRUISERMAXX RICE: PROVEN PERFORMANCE, PROVEN BENEFITS

- Offers protection against seedborne and soilborne diseases, including *Pythium* and *Fusarium*
- Protects against harmful insect pests, including chinch bugs, thrips and early-season insect pests such as grape colaspis and rice water weevil
- Proven to help increase plant stands, uniformity and vigor, and improve quality and yield potential through the Cruiser® Vigor Effect
- Promotes a more efficient root system that supports plant growth even in stress situations like drought, cold, heat, nutrient deficiency, low soil pH and phytotoxic compounds
- Optimizes seeding rates by protecting every seed to help ensure plant establishment
- Insecticide component shows some drift safening properties to help protect against injury from drift from certain herbicides

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HYBRID RICE OVER-TREATMENT

2017 Demonstration Trials

Final plant stand/vigor improvement



Westview Farms - McCrory, AR
CL XP4534, factory I/F planted 4/7/2017, CMXR over-treatment planted 4/13/2017
Stand counts taken 30 DAP, photos taken 54 DAP

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HYBRID RICE OVER-TREATMENT

2017 Demonstration Trials

Final plant stand/vigor improvement



Walls Farms - Harrisburg, AR
CL XL753, planted 4/11/2017
Stand counts taken 30 DAP

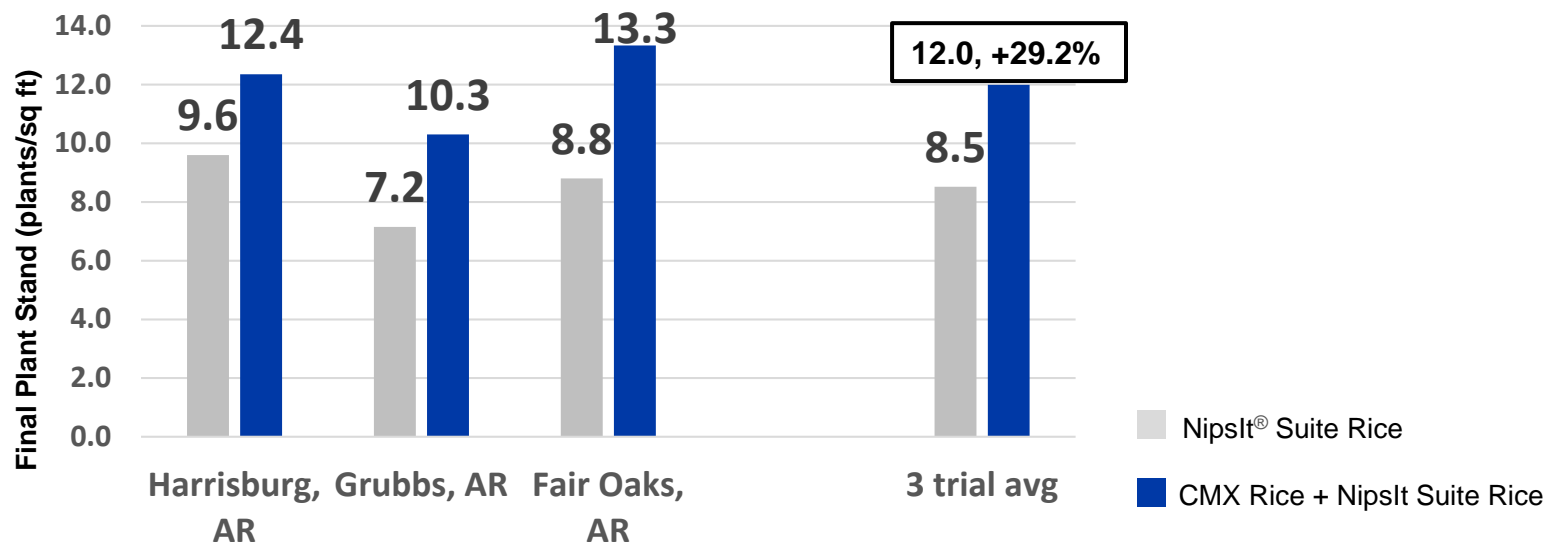
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HYBRID RICE OVER-TREATMENT

2017 Demonstration Trials
3 trials in Arkansas



Large block, commercially applied. CruiserMaxx[®] Rice @ 7 fl oz/cwt.

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HYBRID RICE OVER-TREATMENT

Replicated trial – 2017

Dr. Gus Lorenz – UA Extension



Factory Treated Fungicide Only



Factory Treated NipsIt® I/F



Factory Treated NipsIt I/F
+CruiserMaxx® Rice

UAEX Pine Tree – Colt, AR
CL XL745, planted 5/10/2017
4 days POST Flood

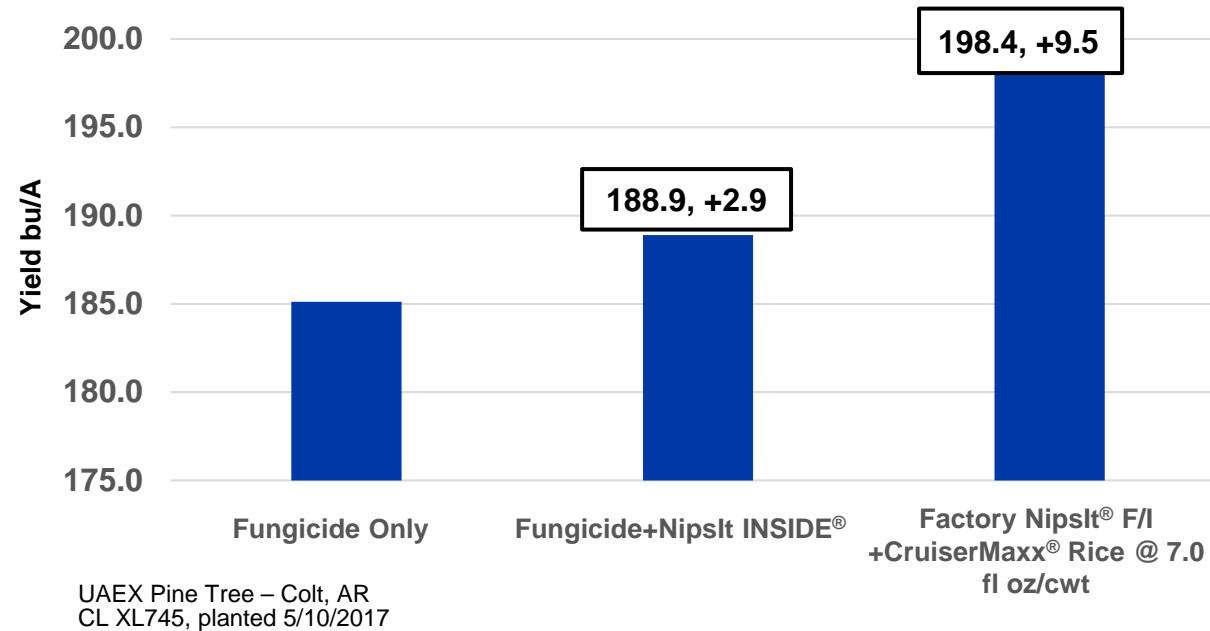
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HYBRID RICE OVER-TREATMENT

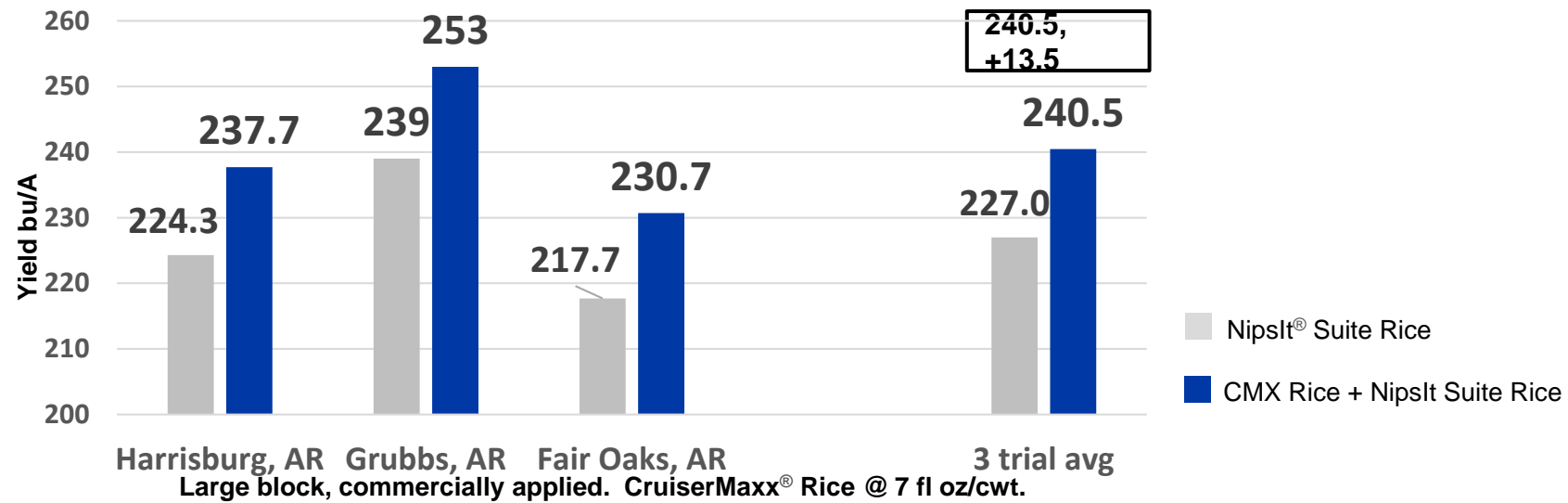
Replicated trial – 2017
Dr. Gus Lorenz – UA Extension



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HYBRID RICE OVER-TREATMENT

2017 Demonstration Trials
3 trials in Arkansas



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Higher crop
productivity right from
the start



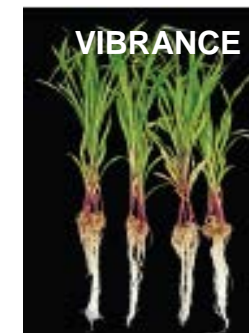
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®

VIBRANCE® ASM/CE confirmed worldwide – next step: define and publish mechanism



- **Root biostimulant effect** even under sterile conditions¹. Nitrogen Use efficiency benefits² **new**
- Increased **photosynthetic activity** under drought stress³ **new**
- Demonstrated **soybean and sunflower increased root density** under sterile conditions⁵
- Work on-going **on Arabidopsis plant model** to understand MoA⁴ **new**
- On-going reviews at **regional and global Root Health Forums**



1 BIOtransfer, France

2 Biostimulant label formally submitted to FR regulatory authorities

3 Nottingham University, UK

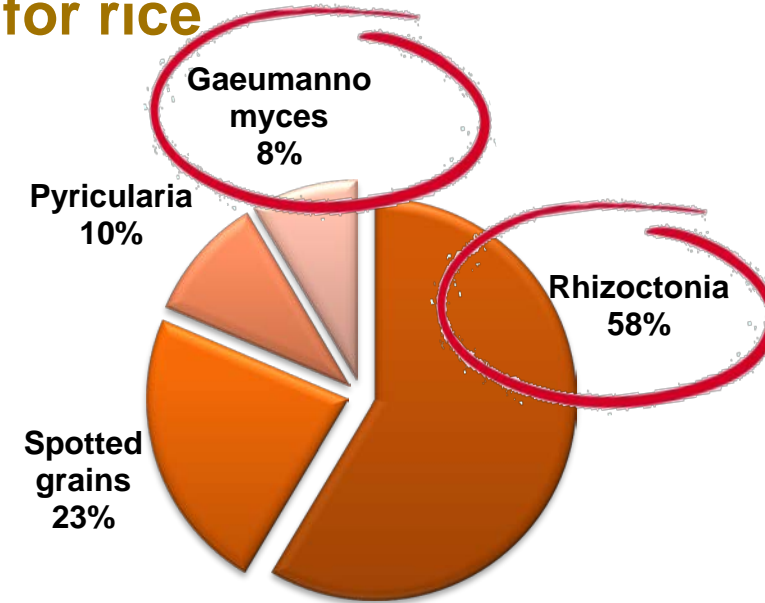
4 CNRS, France

5 Buenos Aires University, ARG

VIBRANCE has a particularly good fit for rice



- Diseases are the **#2 Rice Yield Robbers (30%)** after weeds; driven by Rhizoctonia
- VIBRANCE **new mode of action SDHI** show the best spectrum against all Rhizoctonia spp
- VIBRANCE systemicity results in **long-lasting protection against rice Sheath Blight**
- **Abiotic Stress Management features** demonstrated on cereals can be scaled up to **other crops incl. rice**
- Through better crop establishment VIBRANCE improves **rice milling quality**





7.00 fl oz/cwt



0.03 fl oz/cwt



Rhizoctonia solani-inoculated
CruiserMaxx Rice



1 June

15 June



8 July



Rhizoctonia solani-inoculated
Cruiser Maxx Rice + Vibrance



Legal

Product performance assumes disease presence.

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Some seed treatment offers are separately registered products applied to the seed as a combined slurry. **Always read individual product labels and treater instructions before combining and applying component products.** Orondis Gold is a combination of separately registered products: Orondis Gold A and Orondis Gold B.

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