Amistar® Top Fungicide for Rice
Federal Registration Expected May 2017*

Range: 10 – 15 fl oz/A

*Rate: 14 fl oz/A: AZO = 11.2 floz/A and DFZ = 7.0 floz/A

Diseases Controlled:
Sheath Blight, Stem Rot, Brown Leaf Spot, Blast, Leaf Smut, Narrow Brown Leaf Spot

“Good activity against strobi (Grp11) resistant Rhizoctonia and is active against SDHI (Grp7) reduce sensitive Rhizoctonia” Dr. Don Groth

Maximum Number of Applications: 2

Re-treatment Interval: 14 day
PHI: 28 day

Maximum total use per season: 30 fl oz/A
Amistar Top

• Difenoconazole expected PRIA date – May 22, 2017

• Amistar Top contains two efficacious compounds with different modes of action

• Formulated as suspension concentrate containing 1.67 pounds of azoxystrobin (Group 11) active ingredient and 1.05 pounds of difenoconazole (Group 7) active ingredient per gallon

• Packaging:
  – 2 x 2.5 gallons
  – TBD - cases per pallet

• Crops:
  – Rice
  – Cotton
Effect of Fungicide Treatments on Sheath Blight Efficacy

Sheath Bight Control (Severity Scale 0-9)
40 DA-A

P = 0.01

Effect of Fungicide Treatments on Sheath Blight Efficacy

USSD0F5012015 / LA / COI / Groth / CL111
Effect of Fungicide Treatments on Sheath Blight Efficacy
(Mean of 3 locations* in 2016)

Sheath Bight Control (Severity Scale 0-9)

UTC: 6.9
Stratego @ 19: 4.8
Quilt Xcel @ 21: 4.4
Sercadis @ 6.8: 4.6
Amistar Top @ 14: 3.9

*2 of 3 locations were inoculated at PD with R. Solani
Effect of Fungicide Treatments on Narrow Brown Leaf Spot Efficacy (Mean of 3 locations* in 2016)

Narrow Brown Leaf Spot Control (Severity Scale 0-9)

40 DA-A

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Severity Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTC</td>
<td>3.2</td>
</tr>
<tr>
<td>Stratego @ 19</td>
<td>1.3</td>
</tr>
<tr>
<td>Quilt Xcel @ 21</td>
<td>1.6</td>
</tr>
<tr>
<td>Sercadis @ 6.8</td>
<td>1.6</td>
</tr>
<tr>
<td>Amistar Top @ 14</td>
<td>1.3</td>
</tr>
</tbody>
</table>

*2 of 3 locations were inoculated at PD with R. Solani
Effect of Fungicide Treatments on Rice Neck Blast % infestation (Single location in 2016)

- UTC: 39
- Stratego @ 19: 9
- Quilt Xcel @ 21: 13
- Sercadis @ 6.8: 26
- Amistar Top @ 14: 11

RN Blast (% infestation 0-100) at 40 DA-A

*USSD0F5012016 / LA / COI / Groth / CL111
*Site was NOT inoculated at PD with R. Solani
*Application made at Boot
Effect of Fungicide Treatments on Leaf Smut Severity
(Single location in 2016)

Leaf Smut (% infestation 0-100)
40 DA-A

UTC  4.3
Stratego @ 19  2.8
Quilt Xcel @ 21  3.0
Sercadis @ 6.8  2.5
Amistar Top @ 14  1.8

% severity (0-9)

*Site was NOT inoculated at PD with R. Solani
Application made at Boot
Effect of Fungicide Treatments on Rice Yield
50% incidence but low severity of sheath blight

- Untreated: 7735 lbs/A (b)
- Quilt Xcel: 8195 lbs/A (ab, P = 0.07)
- Amistar Top: 8515 lbs/A (a)

USSA0F1052015 / TX / COI / Jo / Antonio
Effect of Fungicide Treatments on Rice Yield

- Untreated: 153 bu/A
- Quilt Xcel: 164 bu/A
- Amistar Top: 167 bu/A
- Sercadis: 154 bu/A
- Quadris: 157 bu/A

P = 0.4083

USSE0F9352015 / AR / COI / Spurlock / CL151
Effect of Fungicide Treatments on Rice Yield

50% incidence but low severity of sheath blight

- Untreated: 7735
- Quilt Xcel @ 21: 8195 (ab)
- Amistar Top @ 14: 8515 (a)

P = 0.07

USSA0F1052015 / TX / COI / Jo / Antonio
Activity on Sheath Blight

Pictures taken 7-26-16 by Keith Burnell in Jefferson Davis Parish, LA. Trial performed by Dr. Don Groth from LSU
Pictures taken 7-26-16 by Keith Burnell in Jefferson Davis Parish, LA. Trial performed by Dr. Don Groth from LSU
Pictures taken 7-26-16 by Keith Burnell in Jefferson Davis Parish, LA. Trial performed by Dr. Don Groth from LSU
Pictures taken 7-26-16 by Keith Burnell in Jefferson Davis Parish, LA. Trial performed by Dr. Don Groth from LSU
Pictures taken 7-26-16 by Keith Burnell in Jefferson Davis Parish, LA. Trial performed by Dr. Don Groth from LSU
**Key benefits**

1. **Increased yield potential** from protection against all main early-season diseases and insects
2. **Higher tolerance of crop stress** through optimized root health and plant vigor
3. **Time gain** from reduced pest scouting and replants
4. **Reduced complexity (costs)** of treating operations with stable, low use rate pre-mix formulation
5. **Recognition for high-quality** treatment supported by the proven and trusted CruiserMaxx brand

**Key features**

- 4 active ingredients
- 1 INS (thiamethoxam)
- 3 FUN, incl sedaxane
- EPA-approved pre-mix formulation
- Red color

**AI breakdown:**

**Fungicides:** Azoxystrobin + Fludioxonil + Mefenoxyam + Sedaxane

**Insecticides:** Thiamethoxam
USSB0T1032016 – Efficacy of CruiserMaxx Rice Plus A16148C for Early Season Diseases in Rice

Demonstrated effectiveness of the AG-11 *Rhizoctonia solani* isolates in rice stand reduction
USSB0T1032016 – Efficacy of CruiserMaxx Rice Plus A16148C for Early Season Diseases in Rice
CruiserMaxx Rice “Drift Safening” Effects from Newpath® Herbicide

Source: University of Arkansas trials, 2013 and 2014; Dr. Jason Norsworthy, Dr. Jarrod Hardke, Dr. Gus Lorenz and Dr. Bob Scott; Roy J Rice. CruiserMaxx at 7 oz/cwt. Trials at Stuttgart, AR – RREC, and Lonoke, Ar – UAPB Farm. 2013. Newpath, 1 oz; 2014: Newpath, 0.6 oz.
CruiserMaxx Rice “Drift Safening” Effects from Roundup PowerMax® (RPM) Herbicide

Source: University of Arkansas trials, 2013 and 2014; Dr. Jason Norsworthy, Dr. Jarrod Hardke, Dr. Gus Lorenz and Dr. Bob Scott; Roy J Rice. CruiserMaxx at 7 oz/cwt. Trials at Stuttgart, AR – RREC, and Lonoke, Ar – UAPB Farm. 2013: RPM, 4 oz; 2014: RPM, 3.2 oz
Legal

Product performance assumes disease presence.


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. Trivapro is sold as a combination of separately registered products: Trivapro A and Trivapro B fungicides. Orondis Opti is a combination of separately registered products: Orondis Opti A and Orondis Opti B. Orondis Gold is a combination of separately registered products: Orondis Gold A and Orondis Gold B. Orondis Ultra is a combination of separately registered products: Orondis Ultra A and Orondis Ultra B.

Trademarks are the property of their respective owners.