

RICE DISEASE UPDATE

DON GROTH

H. ROUSE CAFFEY RICE RESEARCH STATION



2016 SUMMARY

- SHEATH BLIGHT, CERCOSPORA AND BLAST STARTED EARLY BUT DEVELOPMENT SLOWED
- HOT WEATHER DID NOT INCREASE BACTERIAL PANICLE BLIGHT
- STROBILURIN RESISTANT SHEATH BLIGHT FUNGUS IS STILL SPREADING
- SHEATH BLIGHT FUNGUS RESISTANT TO SDHI FUNGICIDES FOUND

GRAIN SMUTS AND OTHER ORGANISMS



KERNEL SMUT



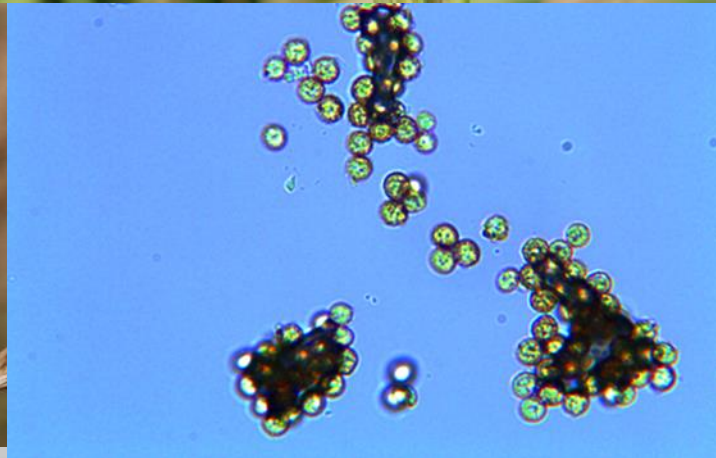


BLACK KERNEL



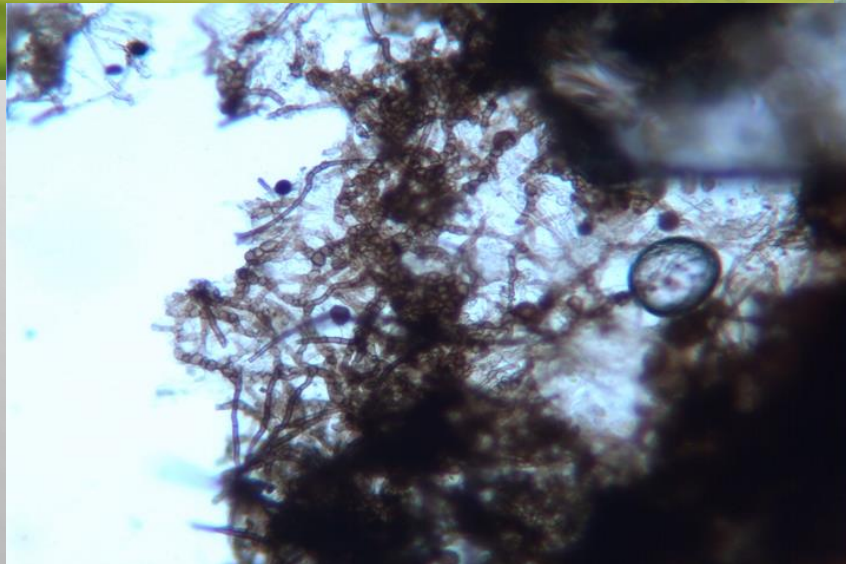
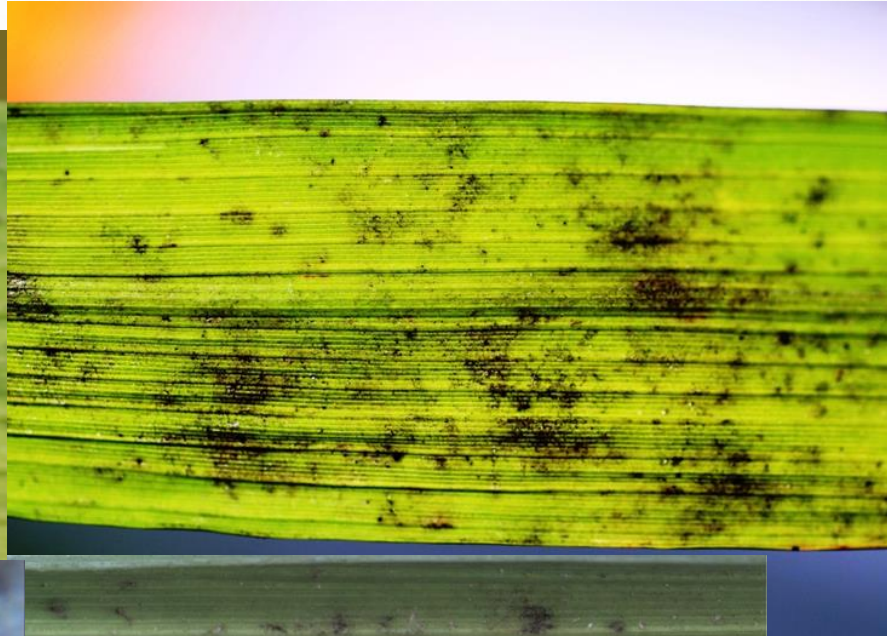
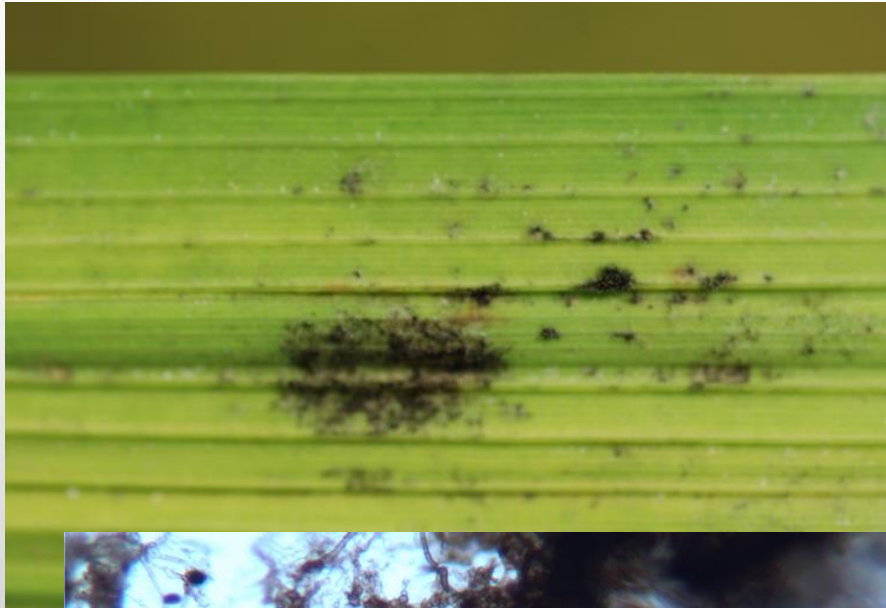


FALSE SMUT





SOOTY MOLD



CONTROL

- SOME LESS SUSCEPTIBLE VARIETIES AVAILABLE
- PLANT EARLY
- AVOID EXCESSIVE N
- KERNEL SMUT PRIMARY FUNGICIDE TARGET
- PROPICONAZOLE HAS BEST ACTIVITY
- 6-12 OZ/A AT BOOT GROWTH STAGE
- CERTAIN FIELDS TEND TO HAVE A HISTORY OF DISEASE
- SEEING MORE DISEASE IN SOUTH LOUISIANA

RICE FUNGICIDE TIMING



¹ A boot application followed by the heading spray may be necessary if diseases pressure is high and the variety is susceptible.

² An early application may be necessary if sheath blight appears early and is severe followed by the boot to heading application.

³ Late planted rice requires earlier application of propiconazole for Cercospora control.

Do not apply
 Application may be needed
 Best application timing

RICE FUNGICIDES

Table 3. Efficacy of fungicides in managing diseases of rice
Efficacy categories are as follows: P=Poor; F=Fair; G=Good; VG=Very Good; NL = Not Labeled for use against this disease.

Fungicide Information				Disease			
Class and Mode of Action Group ¹	Active Ingredient	Product(s) ²	Rate ³ (fl oz)	Blast	Sheath Blight	Cercospora	Kernel Smut
QoI Strobilurins Group 11	Azoxystrobin	Quadris 2.08 SC Equation 2.08 SC	9-15.5	G	VG	P	P
	Trifloxystrobin	Gem 500 SC	3.1-4.7	VG	G	P	P
Carboxamides Group 7	Flutolanil	Elegia 3.8 SC	16-32	NL	G	NL	NL
	Fluxapyroxad	Sercadis 2.47 SC	4.5-6.8	NL	VG	NL	NL
Demethylation Inhibitors (DMI) Group 3	Propiconazole	Tilt 3.6 EC	6-12	NL	F	VG	G
		Bumper PropiMax	6-12				
Mixed ⁴	Azoxystrobin, Propiconazole	Quilt 200 SC	14-34.5	G	VG	VG	G
	Azoxystrobin, Propiconazole	Quilt Xcel 2.2 SE	15.8-27	G	VG	VG	G
	Trifloxystrobin, Propiconazole	Stratego 250 EC	16-19	VG	G	VG	G

POTENTIAL NEW FUNGICIDE AMISTAR TOP

- AZOXYSTROBIN + DIFENOCONAZOLE
- GROUP 11 AND 3 FUNGICIDES
- BLAST, SHEATH BLIGHT AND CERCOSPORA ACTIVITY
- SIMILAR TO QUADRIS TOP BUT NOT LABELED FOR RICE
- HAS GOOD ACTIVITY AGAINST STROBILURIN (GRP11)
RESISTANT RHIZOCTONIA AND SHOULD BE ACTIVE
AGAINST SDHI (GRP7) RESISTANT RHIZOCTONIA

KEY POINTS

- KNOW SUSCEPTIBILITY OF VARIETY
- MANAGE CORRECTLY
- SCOUT FOR PRESENCE OF DISEASE
- IDENTIFY DISEASE CORRECTLY
- PICK CORRECT FUNGICIDE
- **APPLY IN A CORRECT AND TIMELY MANOR**



FOR MORE INFORMATION:
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