

The incidence of stalk rot in individual fields may reach 90 to 100 percent with yield losses of 50 percent

• At least 5% of yield are lost yearly to stalk rot in KS

– U\$50 million

• Plant lodging

• More important may be the yield losses that go unnoticed.

– reduced ear and head size

– poor filling of grain

– early head lodging as plants mature early

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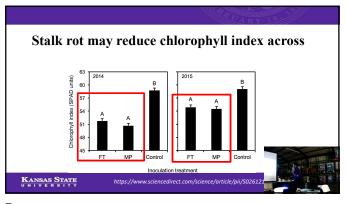
Treatment	Hybrids		Lines	
	84G62	DKS37-07	BTx3042	SC599
Control	93.6 a	82.1 a	32.9	53.3 a
F. andiyazi	76.8 b	53.9 b	19.5 b	34.6 b
F. proliferatum	69.3 b	53.5 b	18.3 b	27.8 b
F. thapsinum	60.2 b	40.3 b	19.3 b	36.2 b
M. phaseolina	61.7 b	42.4 b	16.8 b	33.0 b

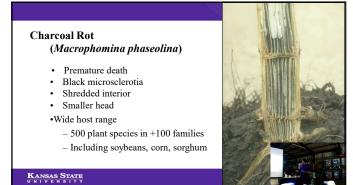
Stalk rot seed weight per panicle

30
25
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10
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10
00
Pathopen treatment

https://opsjournals.apsnet.org/doi/pdf/1

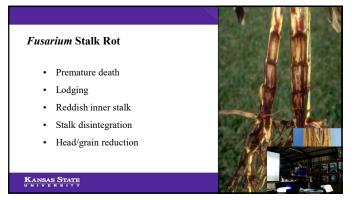
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Fusarium stalk rot

Overwinters in corn residue

Temperatures 80-100°F

Premature death, lodging, reddish inner stalk, stalk disintegration

Management: avoid root damage, control insects, diseases, weeds, and timely harvest

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## Stalk Rot Management Choose good stalk strength and stay green characteristics Balanced fertility Avoid high plant populations Root damages Control insects, diseases, weeds Timely harvest Any other moisture conservation practice. Check hybrid lodging ratings

Sorghum fungicide trial

Application time: Planting and mid-flowering

Active ingredient: flutriafol

FRAC group 3: Demethylation inhibitor (DMI)

In-furrow, dribble over the top, and dribble over the top 2 in off the furrow

11 12









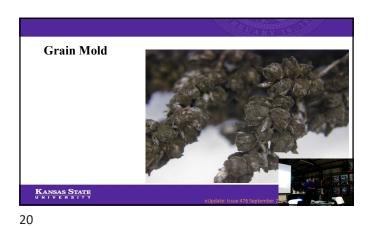
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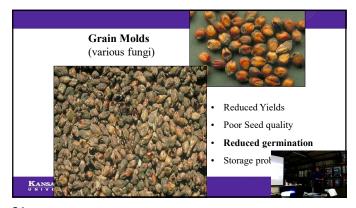




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**Grain Mold Management** · Plant resistant hybrids - Bronze and reds are more resistant due to higher tannin levels · Timely harvest • Do not store moldy grain for long periods • Keep grain moisture <10% and grain temperature <50~FKANSAS STATE

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