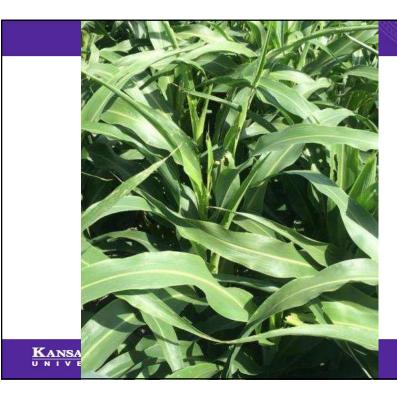
Sorghum Pests

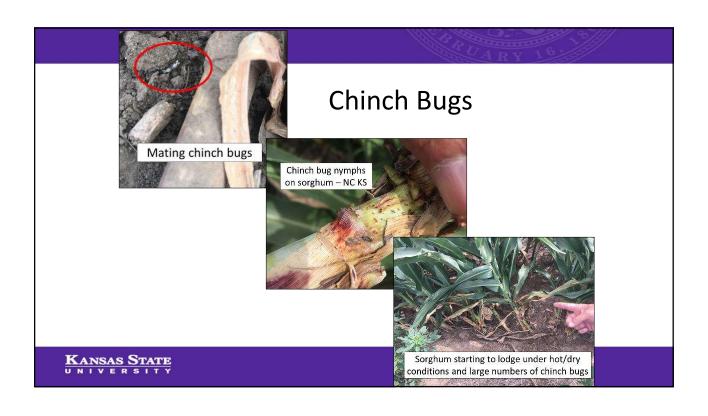
Jeff Whitworth
Amie Norton
Kansas State University - Entomology

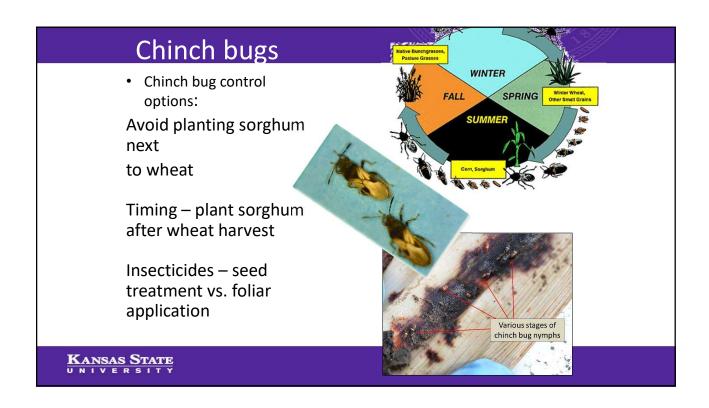
KANSAS STATE

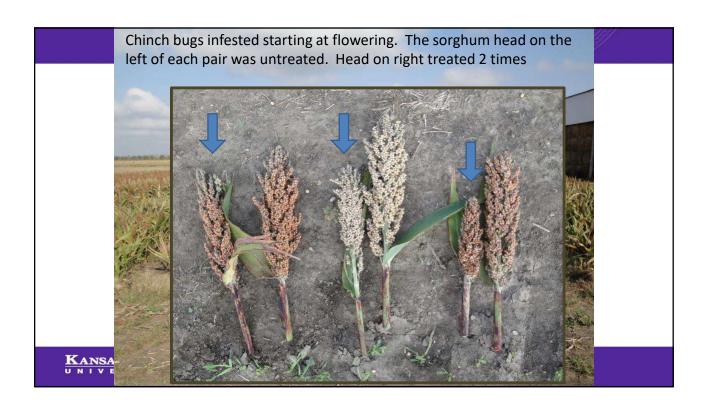


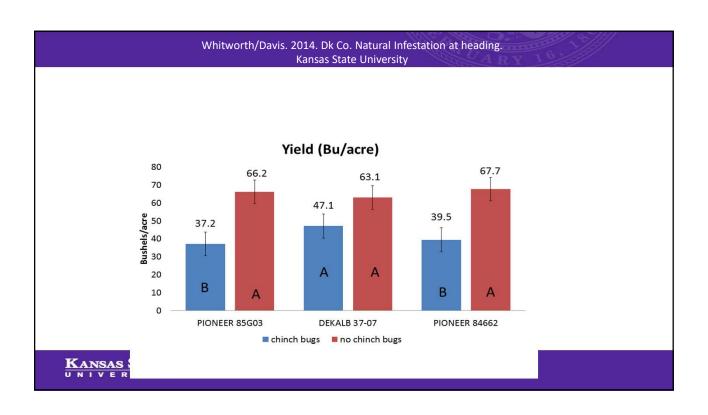
Sorghum

- Chinch bugs
- Sugarcane Rootstock Weevil
- Grasshoppers
- "Ragworms"
- "Headworms"
- Aphids
- Sorghum midge



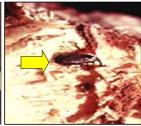






Sugarcane Rootstock Weevil







- Native to Kansas
- Can attack sorghum, field and sweet corn
- May cause lodging especially under dry conditions



Grasshoppers

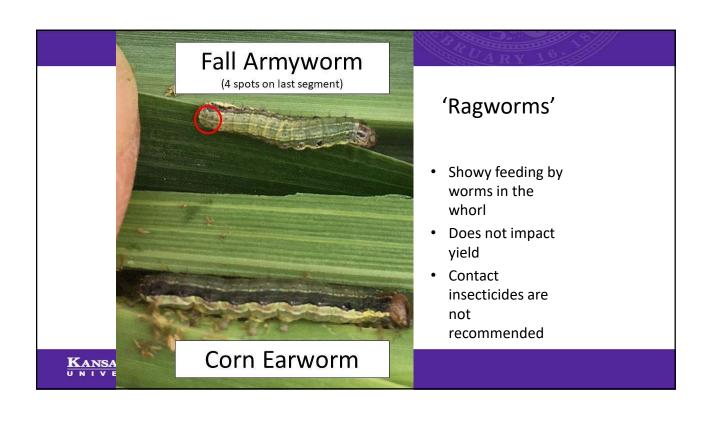
- Scout borders in early summer to prevent migration into sorghum
- 15-20 nymphs / sq yd in borders or 5-8 nymphs / sq yd in field may justify treatment

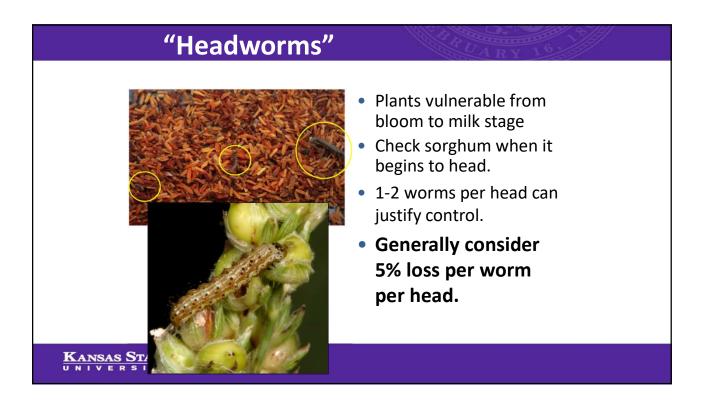


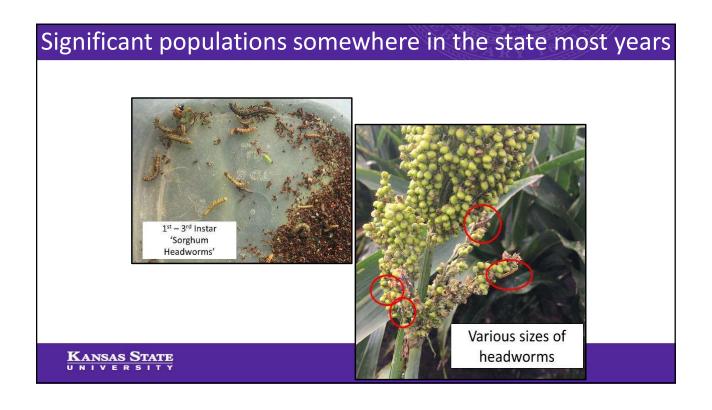


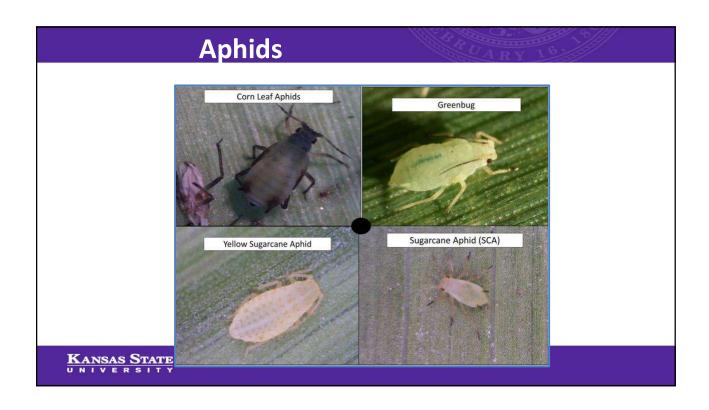
KANSAS

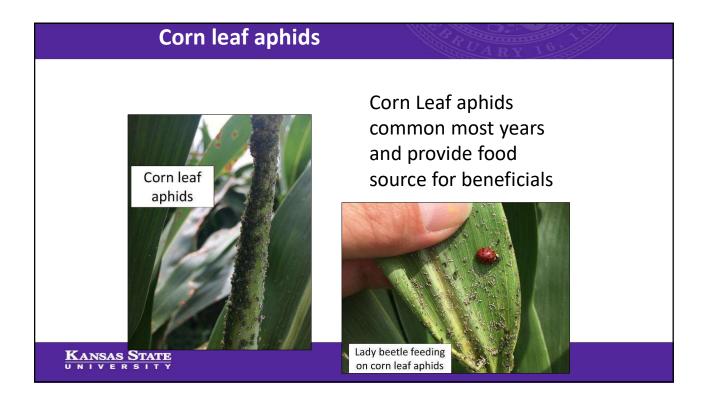
'Ragged' Foliar Feeding on Young Sorghum Typical of: • Fall armyworm • Corn earworm KANSAS STATE UNIVERSITY





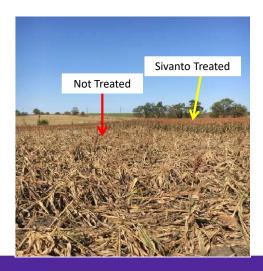






Sugarcane Aphid Damage - 2016

- Produce LARGE quantities of honeydew, can cause problems during harvest
- Heavy feeding causes plants to dry down rapidly
- Weakened stems = plant lodging prior to harvest



KANSAS STATE

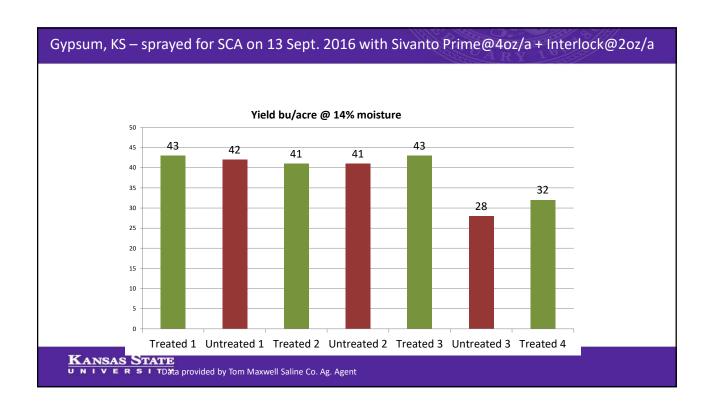
Sugarcane Aphid Damage - 2016

- Fusarium infected stalks from the lodged area (not treated)
- Noninfected stalks from the Sivanto treated area



KANSAS STATE

Photo courtesy of Judy O'Mara





SORGHUM MIDGE

- Do not overwinter in KS subtropical insect
- Last generation diapause where larvae fed – between bracts
- Occasional pest in Kansas
 - Normally confined to SE and SC parts of the state
 - Numbers usually too low to detect or to justify insecticide treatment in Kansas
- Usually noticed after fly emergence because of remaining pupal cases



KANSAS STATE

SORGHUM MIDGE DAMAGE

- Detection occurs after damage
 "blasted" heads (small malformed kernels)
- Late planted sorghum most at risk in KS
- Will not cause economic damage after flowering (pollination)
- Sorghum heads must pollinate
 developing kernels are what
 the larvae feed on





- Significant #'s of blasted heads some years
- We have been, and are in the process of, examining "blasted" heads to determine midge vs. other damage
- If consistent across the field, probably due to environmental conditions
- NO midge damage positively identified yet



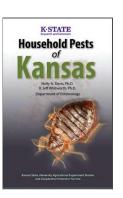


Available:



Identification guides

- Biology
- Damage/ Thresholds
- Management options





Available from the KSRE Bookstore: https://www.bookstore.ksre.ksu.edu/

For more info, please visit: http://entomology.k-state.edu/extension/ Questions?

