

White Rot Overview & Use of Germination Stimulants (with focus on DADS)

Mike Davis

**UCCE Plant Pathology Specialist,
Plant Pathology Dept., UC Davis**

White Rot (*Sclerotium cepivorum*)

March 2007, San Joaquin Valley

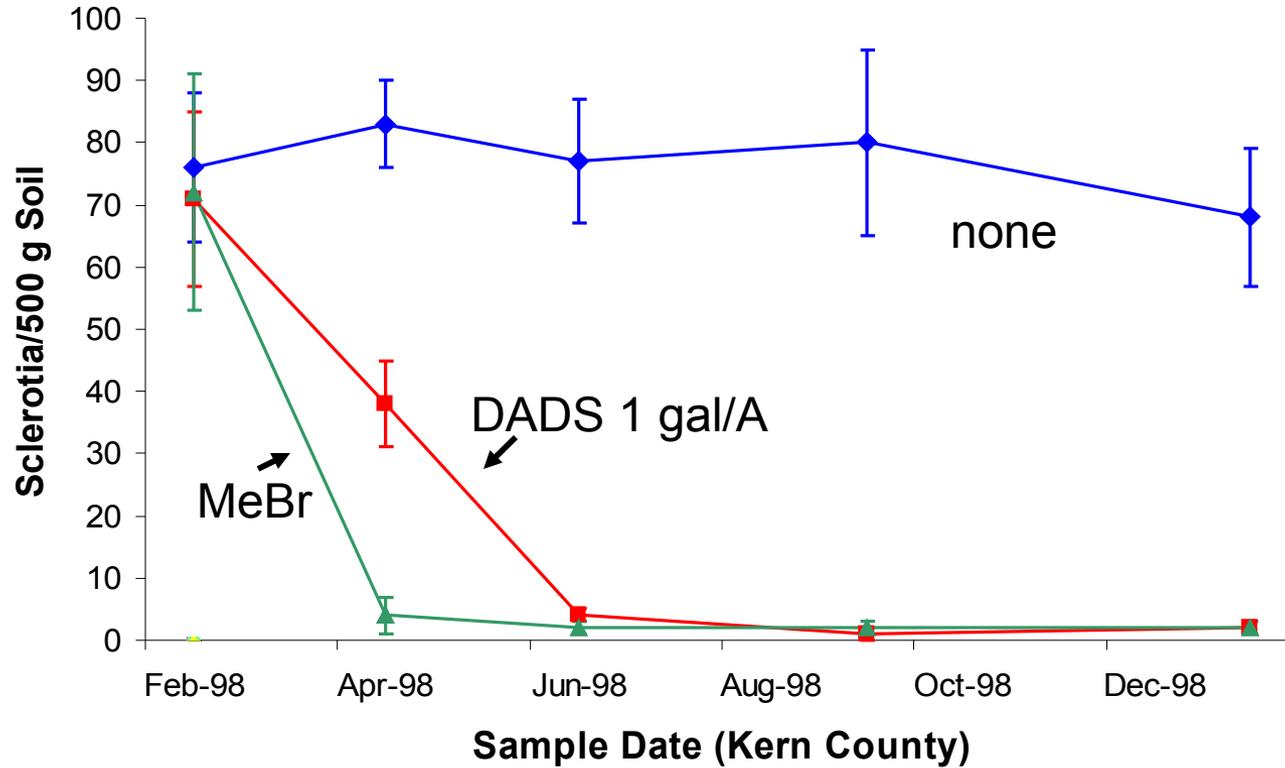
90+ fields, 14,000+ acres



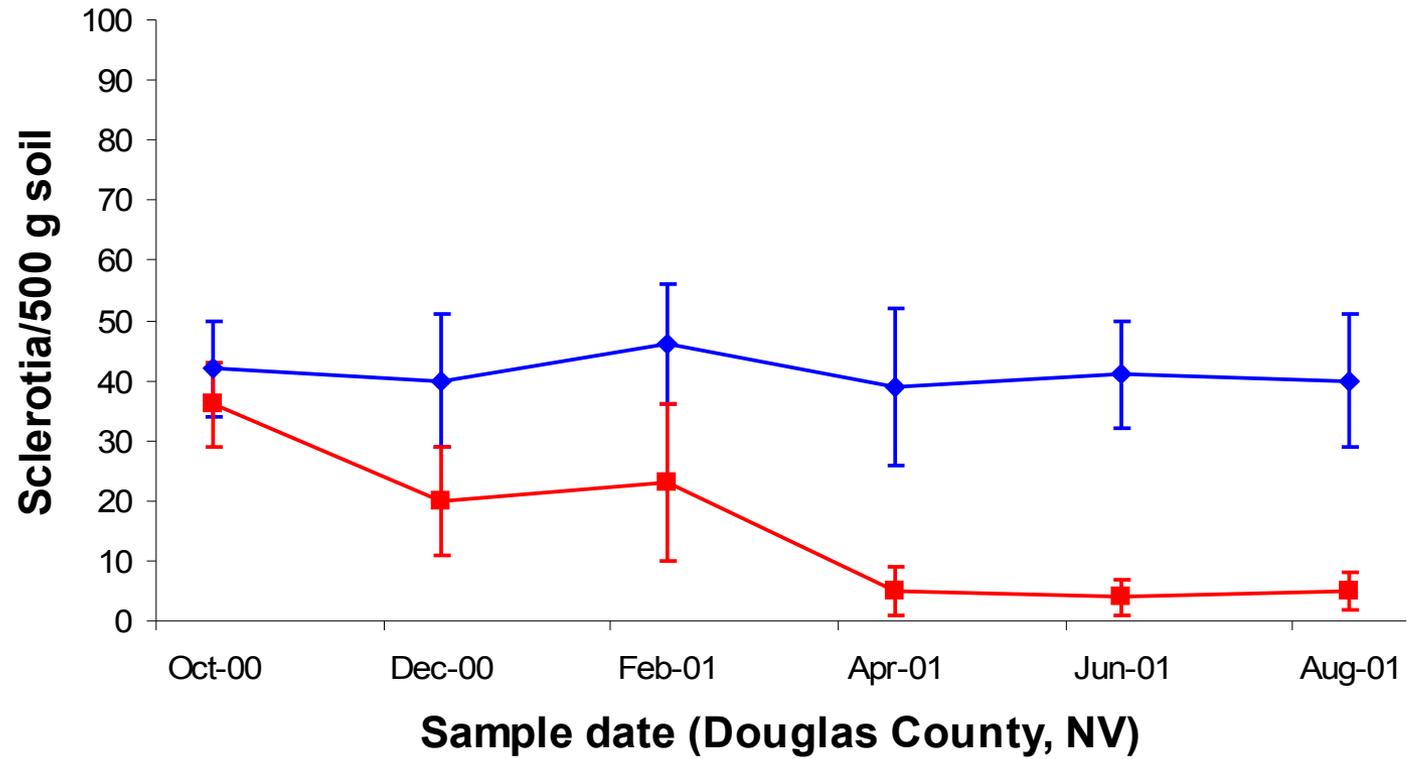
DADS (diallyl disulfide)

- Apply when soil temperatures are 50-70 F
- In the San Joaquin Valley, apply fall or spring
- Application in summer may result in shortened period of activity

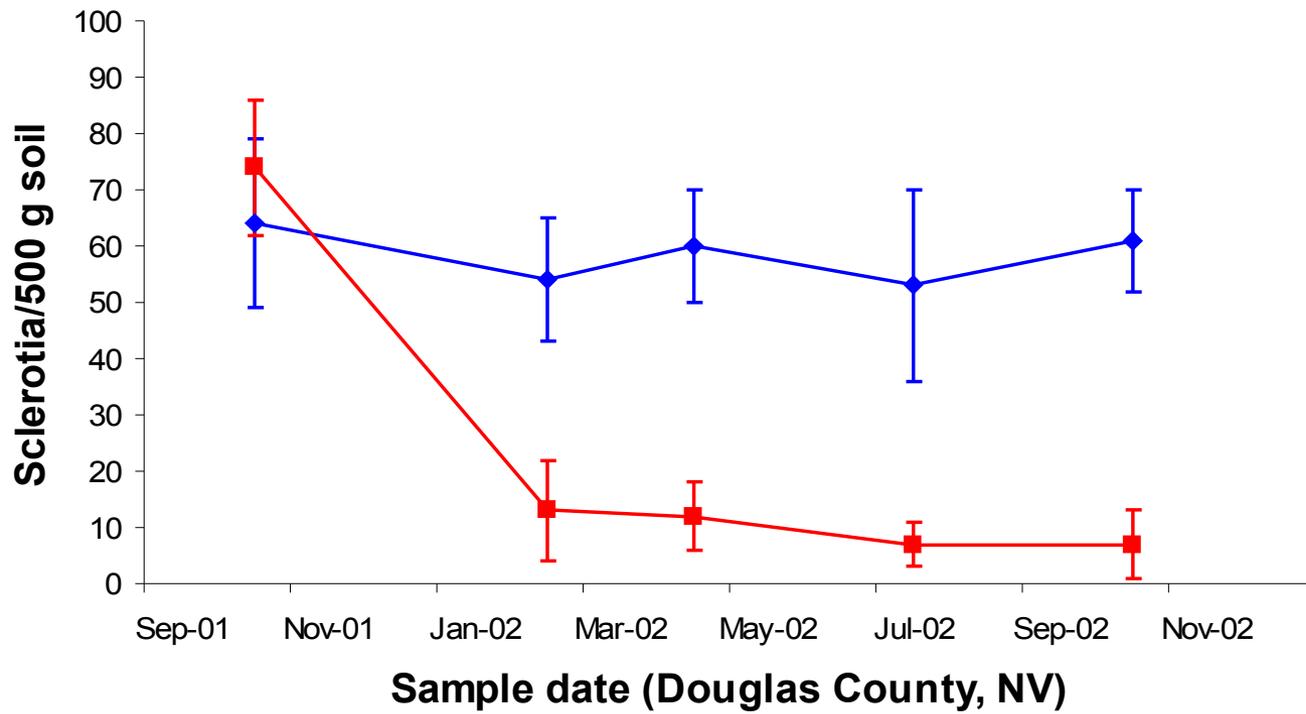
DADS (single application) and Methyl Bromide



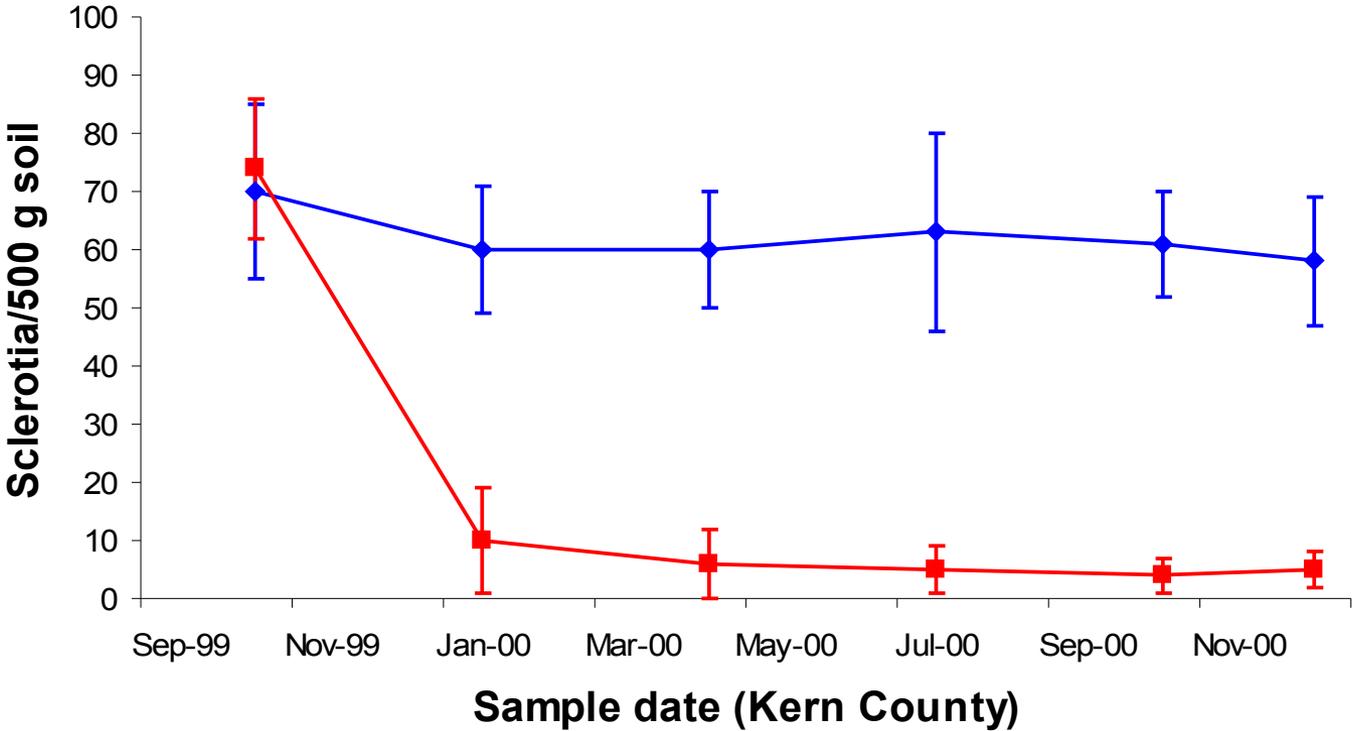
DADS (split application)



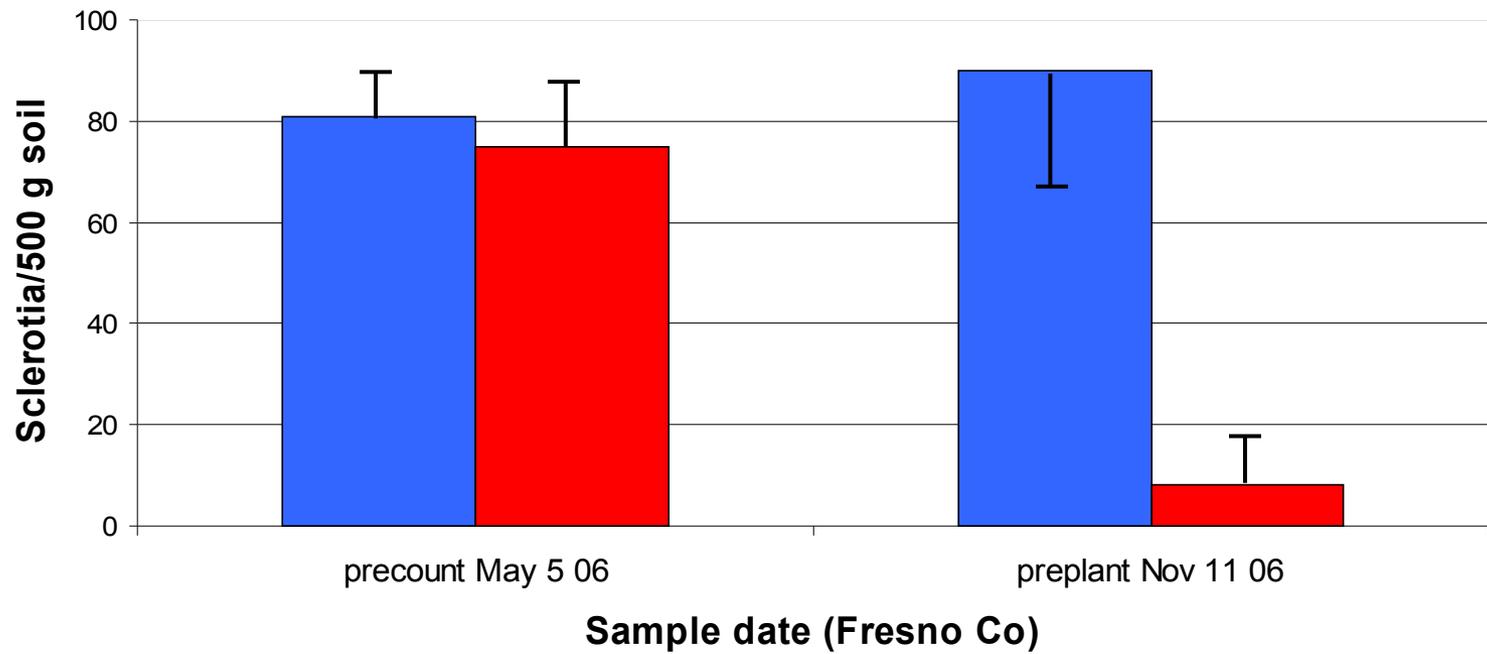
DADS (single application)



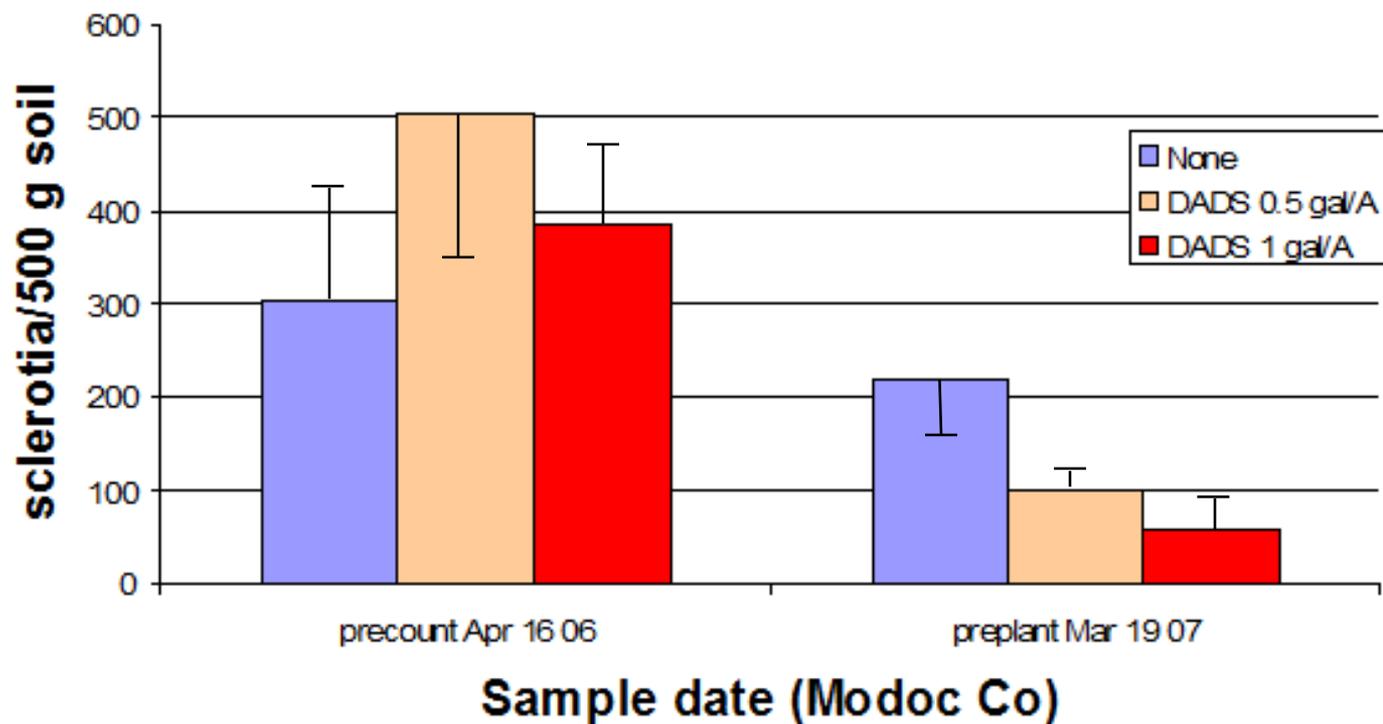
DADS (single application)

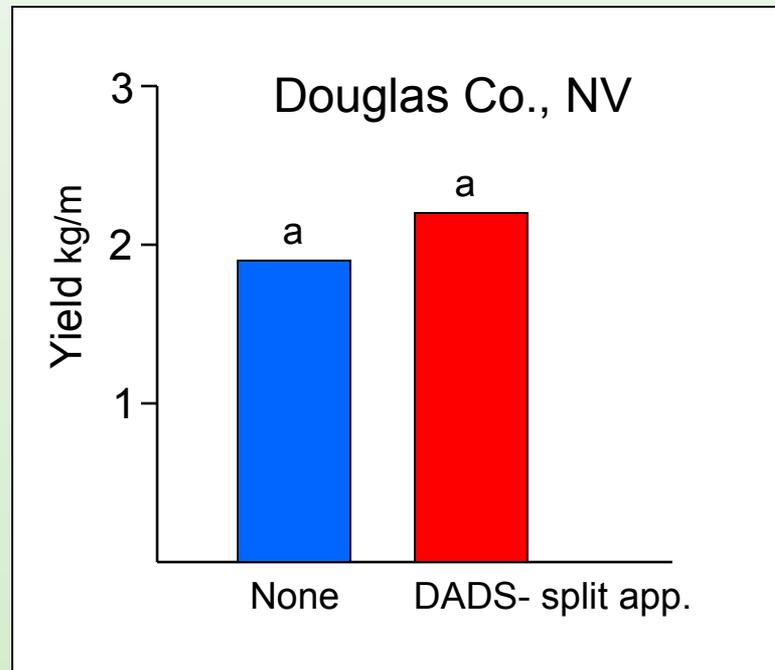
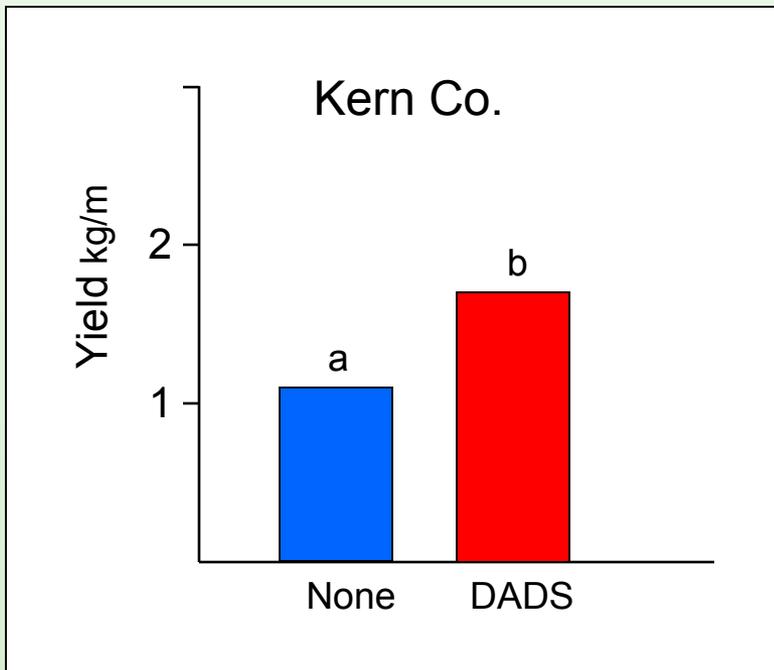
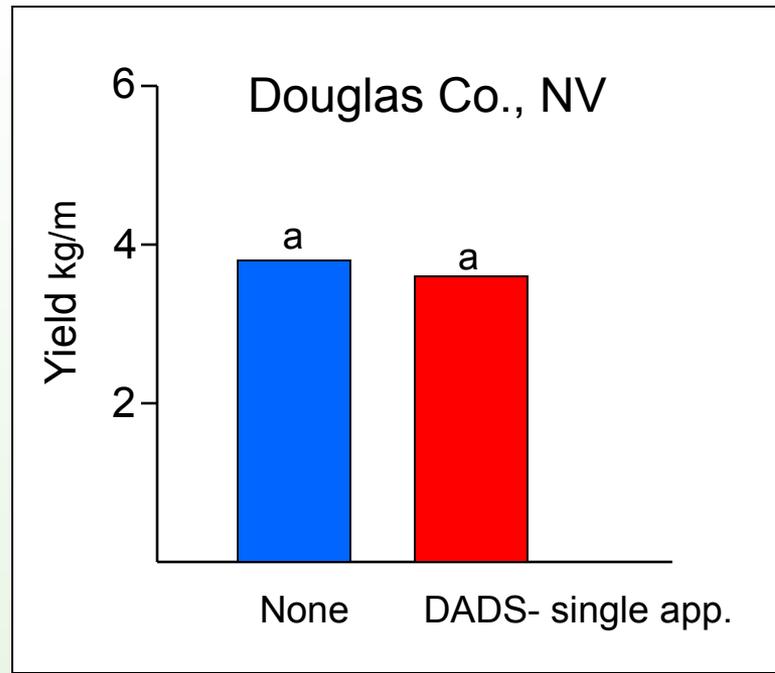
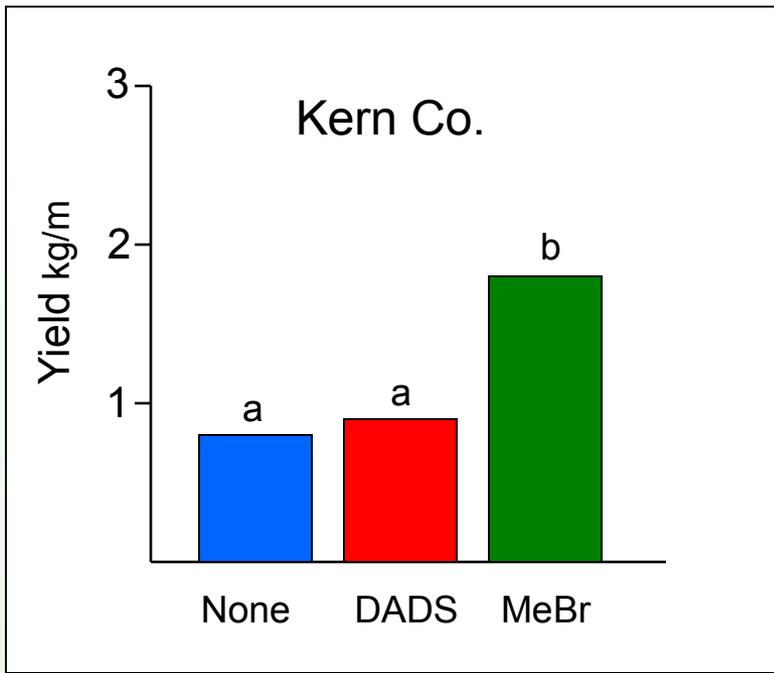


DADS (single application)



DADS (single application)







Conclusions

- A single application of DADS can result in >90% sclerotia mortality, significantly reducing risk of spread
- Profitable yields may not be possible following DADS treatment