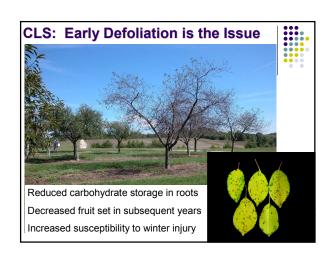


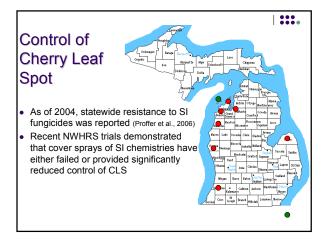
Objectives

- Evaluate available chemistries for possible use on CLS (SI resistance)
- Evaluate the sensitivity of ABR to Indar

Methods

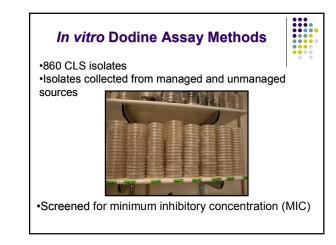
- Establish baseline, or current *in vitro* sensitivity levels to relevant chemistries
 - Track changes over time
- Evaluate fungicide resistance management techniques
- Determine field efficacy to give perspective to sensitivities measured in the lab

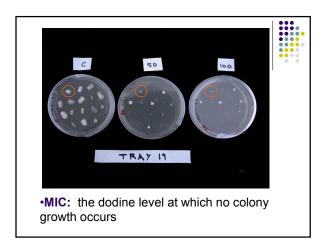


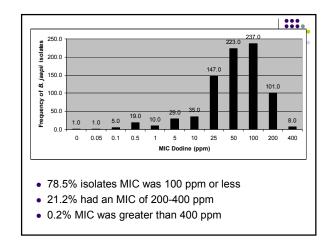


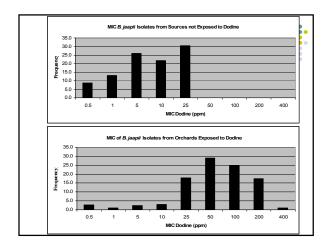
Fungicide and rate per acre	Timing CLS		
Bravo Ultrex 82.5WDG 3 lb	bloom; shuck split		
Flint 50WG 2.5 oz	first cover		
Dodine (Syllit 65W) 2 lb	second; third cover	55.1 a	
Elite 45WG 6 oz	fourth cover		
Bravo Ultrex 82.5WDG 3 lb	bloom; shuck split		
Flint 50WG 2.5 oz	first cover		
Copper Sulfate (Cuprofix Disperss 40DF) 3.5 lb	second; third cover	33.5 b	
Elite 45WG 6 oz	fourth cover		
Bravo Ultrex 82.5WDG 3 lb	bloom; shuck split		-
Flint 50WG 2.5 oz	first cover		
Copper Hydroxide (Kocide 2000 35DF) 4 lb	second; third cover	53.6 a	
Elite 45WG 6 oz	fourth cover		
Untreated control	64.5 a	-	

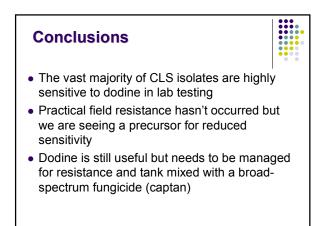
CLS Spray T					
Treatment		Cherry Leaf Spot (%)		Defoliation (%)	
		<u>28-Jul</u>	18-Sep	18-Sep	
Control		61.5 a	95.1 a	90.0 a	
Elite 45WG 6oz +Captan 50W 3lb	SI/Broad	5.1 b	93.3 a	36.9 b	
Gem 500SC 3 fl oz	Strobilurin	2.9 b	97.7 a	49.1 c	
Syllit 27 fl oz	Dodine	0.7 c	75.9 b	32.6 b	
Based on the result	ts, asses irds beca	ssing doc	line sens	sitivity in	



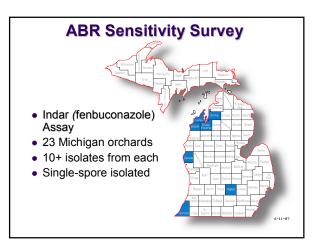


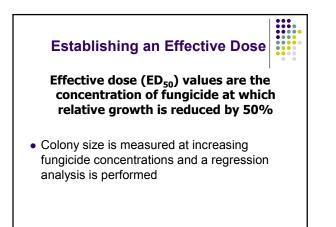


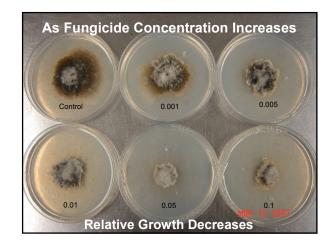


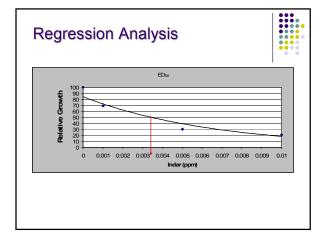


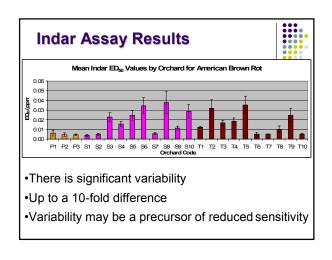












Is the Variability of ABR Indar-Sensitivity Significant?

- Fruit Assay
- The most and least Indar-sensitive isolates were selected
- Cherries were briefly dipped in 3 concentrations of Indar (1/4, 1/2, and full rates)
- One 20µl droplet of fungal propagules, was placed on each sweet cherry
- In the case of tart cherries, inoculum was sprayed on using an atomizer
- Cherries were incubated for 2 weeks
- The number of cherries with ABR infections was then recorded

