

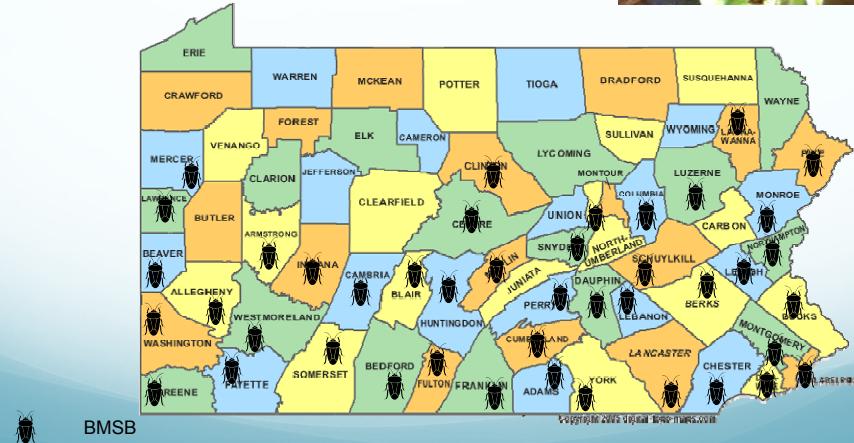
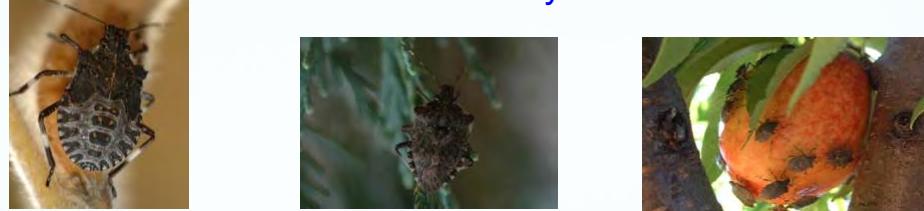
Brown marmorated stink bug, *Halyomorpha halys* (Stål)
(Hemiptera: Pentatomidae) Management in Orchards and
Research Plans for 2011



Greg Krawczyk

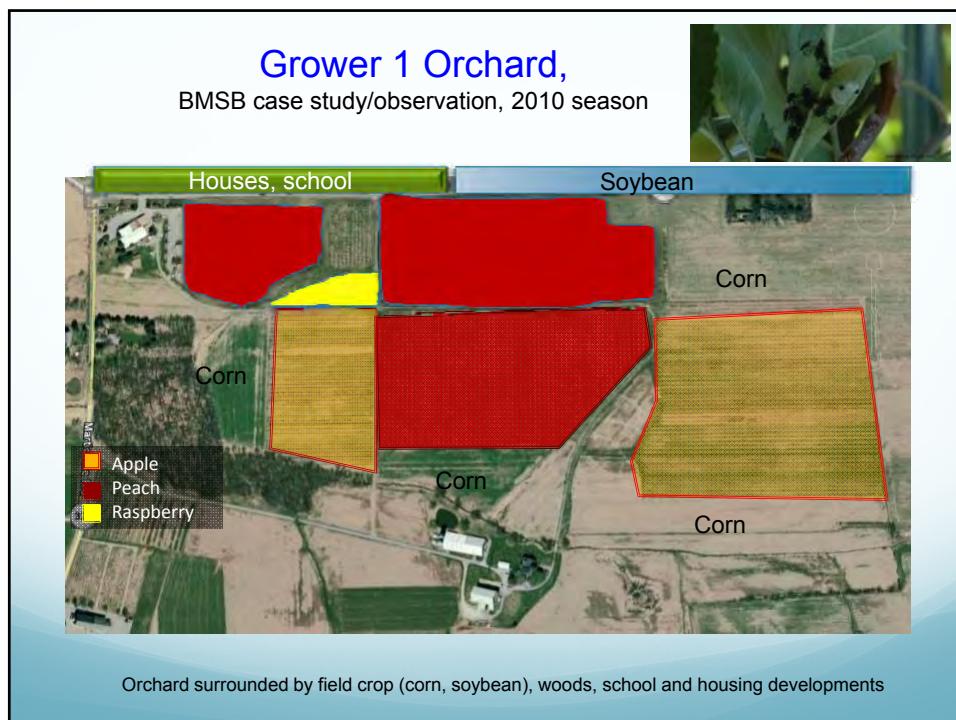
Penn State University
Department of Entomology
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Biglerville, PA 17307
E-mail: gxk13@psu.edu

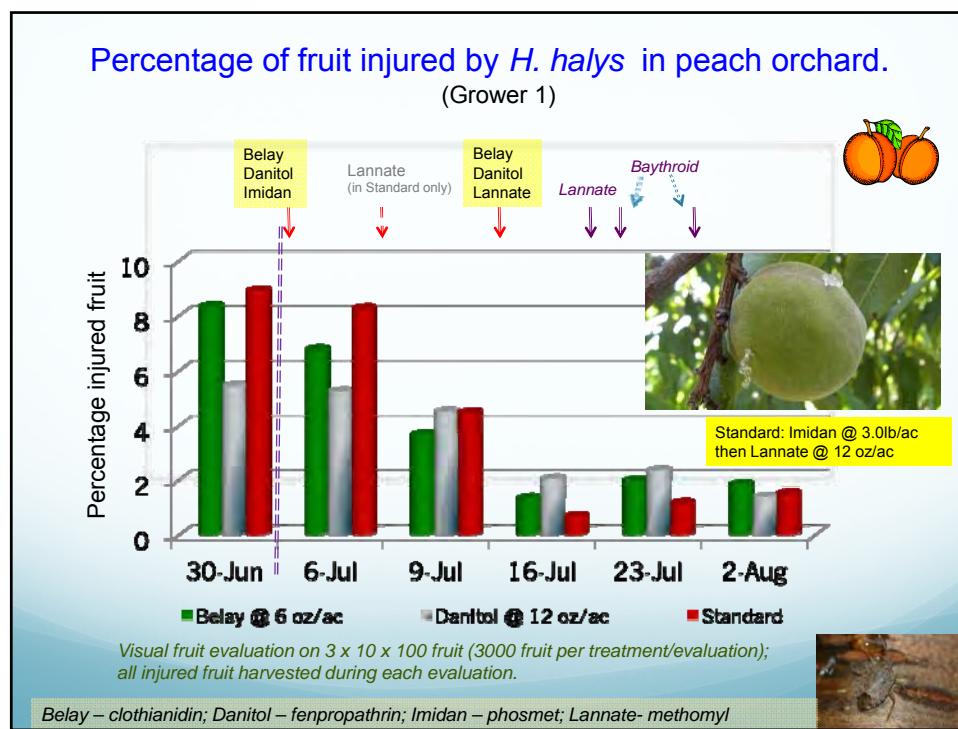
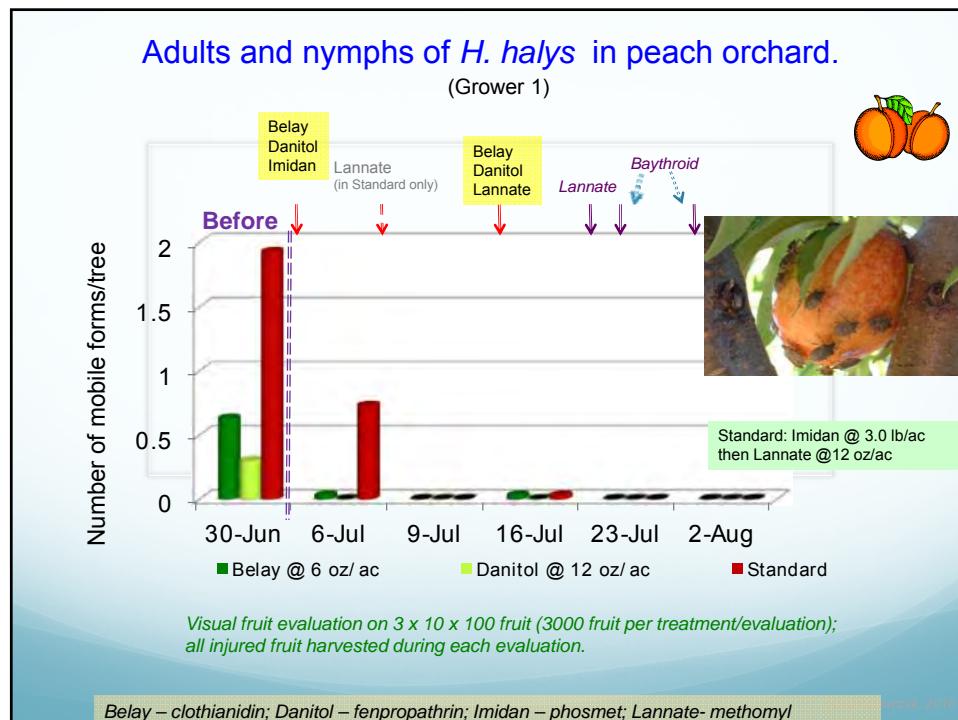
BMSB in Pennsylvania

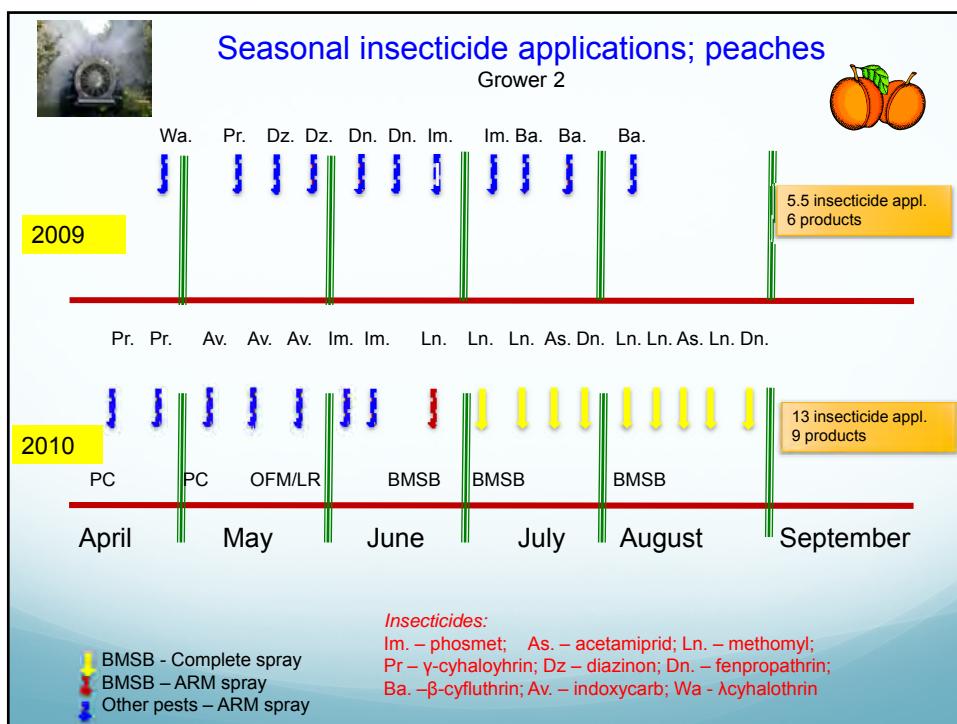
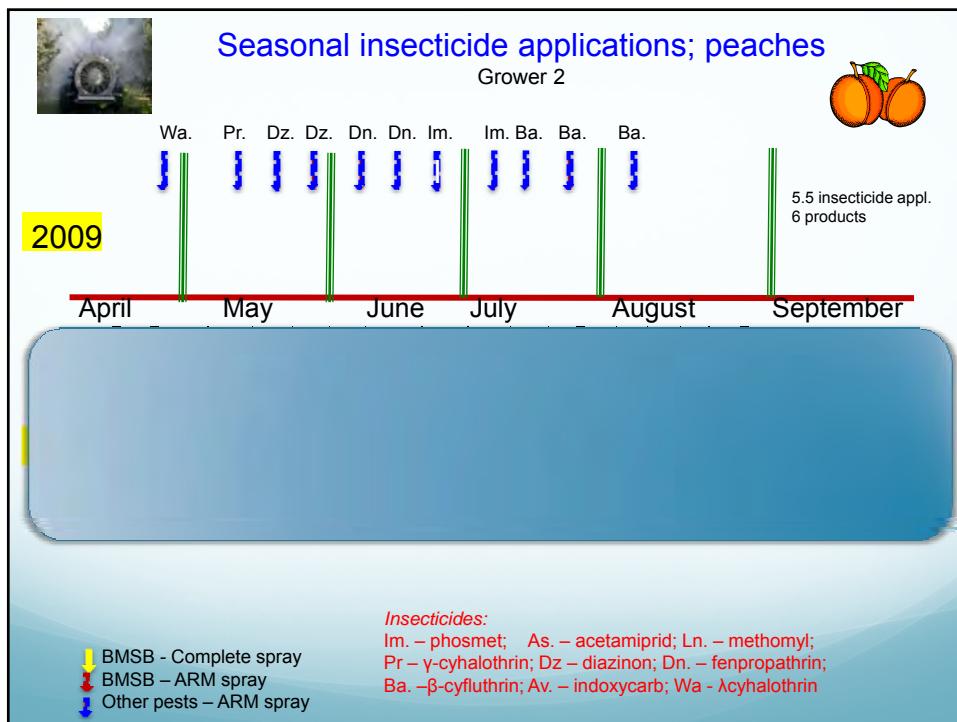


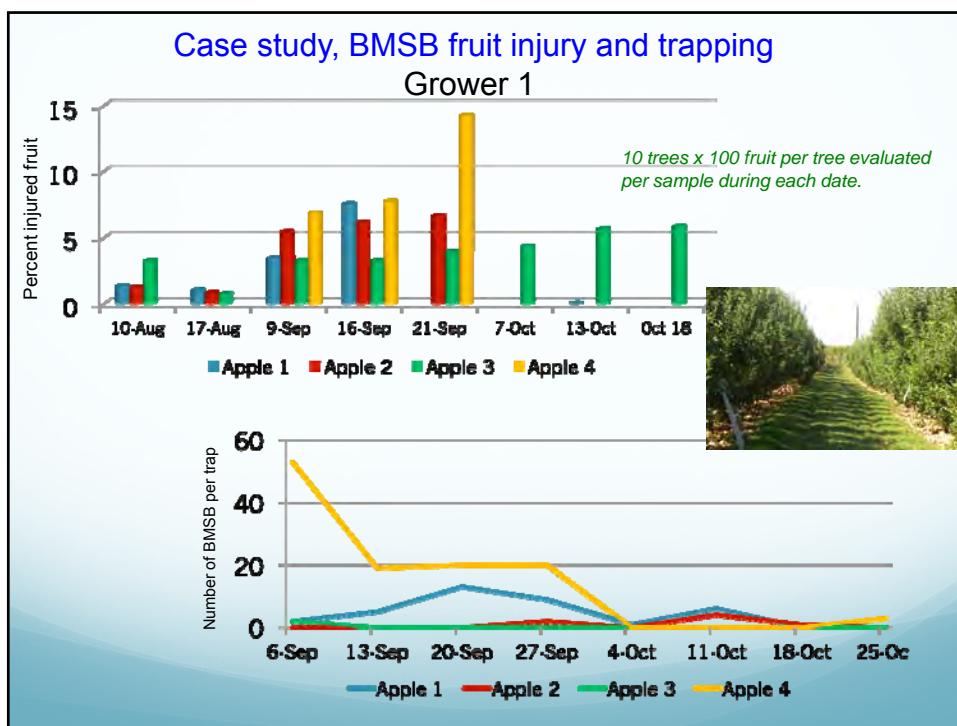
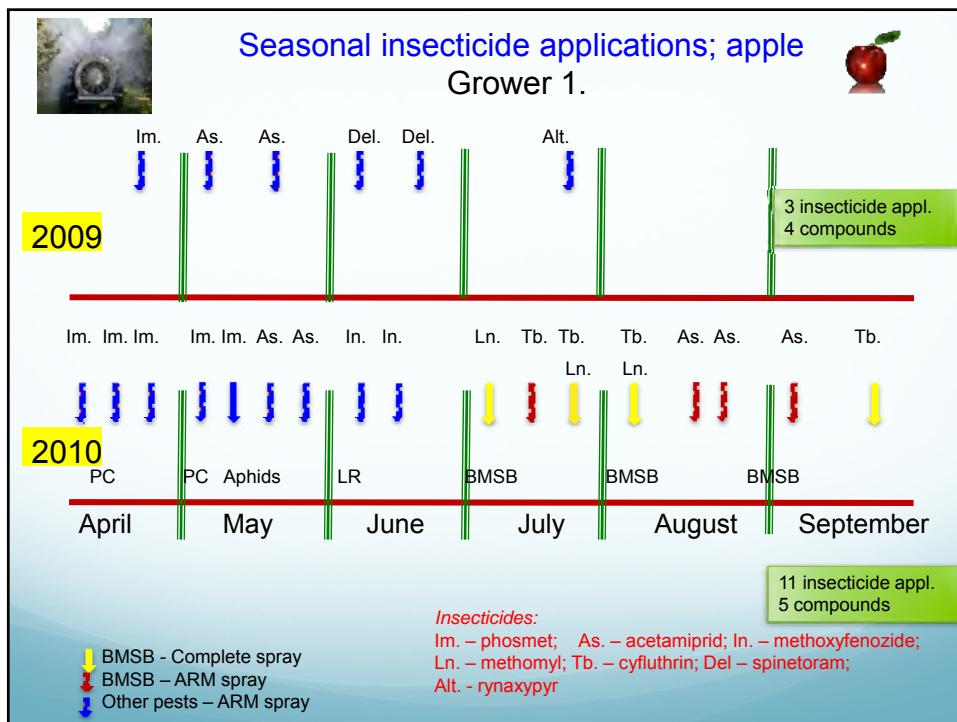
Pre-2011 stink bug control recommendations (examples)				
Product	Source			
	PSU '10 Apple, sb/tbp(scale 1-4)	Cornell '10 Apple, tpb only (scale 1-3)	Rutgers '09 Peach, tpb only (scale 1-4)	WSU '09 Apple, tpb, sb (scale 1-4)
Actara	2	2	2	-
Asana	2	1	1	-
Assail	2	2	2	4 (sb)
Avaunt	2	2	2	NR
Baythroid	1	1	NR	NR
Beleaf	2	1	1	-
Calypso	2	3	NR	4 (sb)
Danitol	2	1	-	1
Imidan	3	3	2	NR
Lannate	1	3	2	2
Warrior	1	1	2	1
Delegate/Altacor	NR/NR	NR/3	1/-	NR/NR

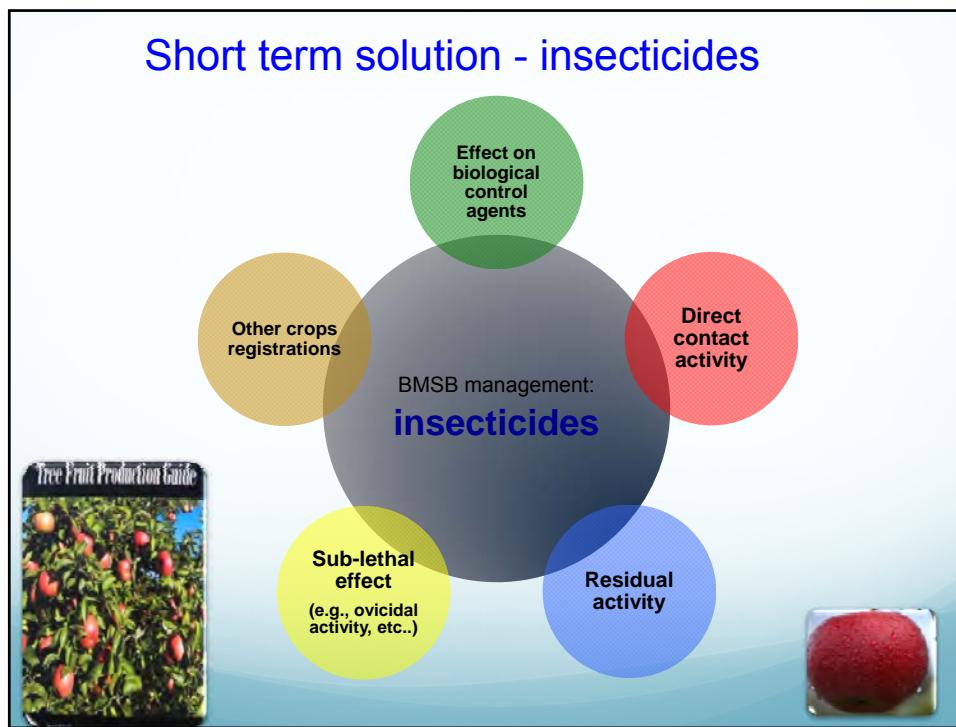
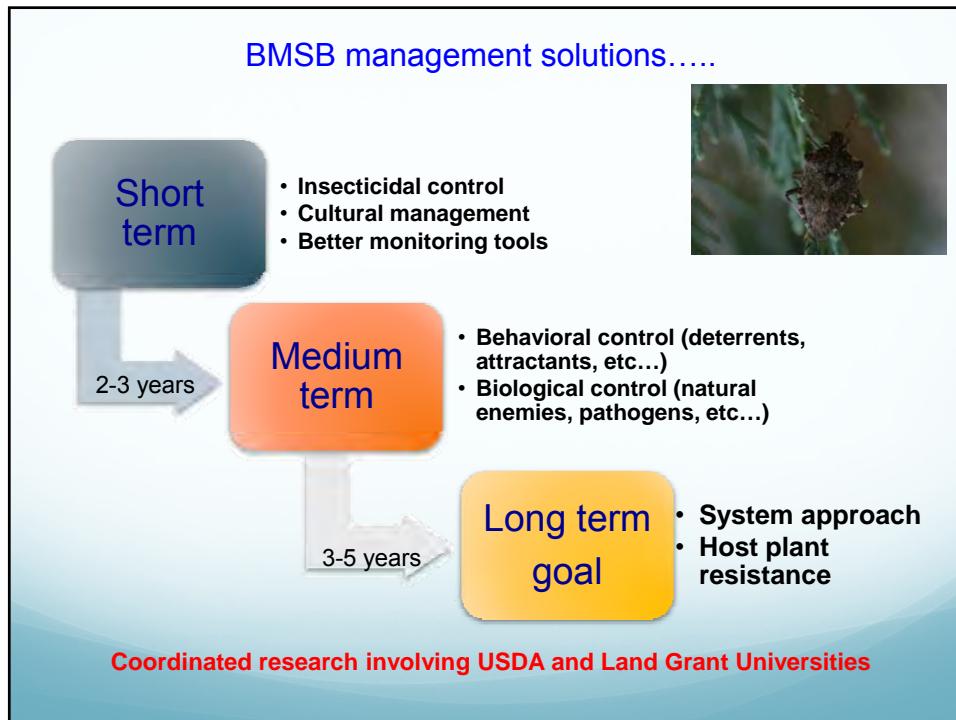
Ranking based on apple recommendations (except NJ); the lower the number the better efficacy

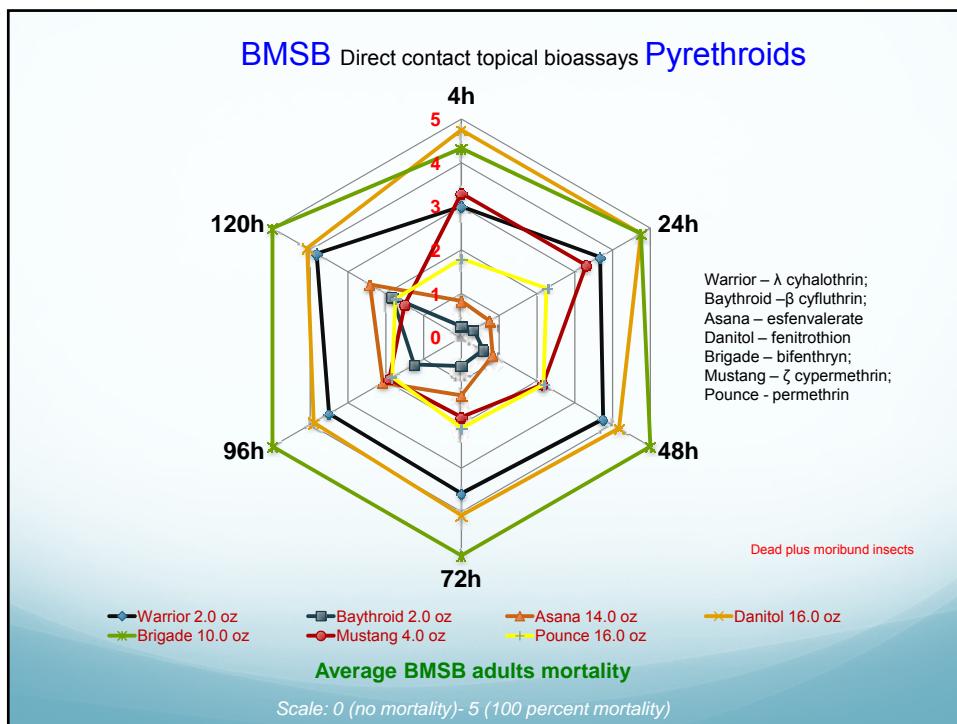
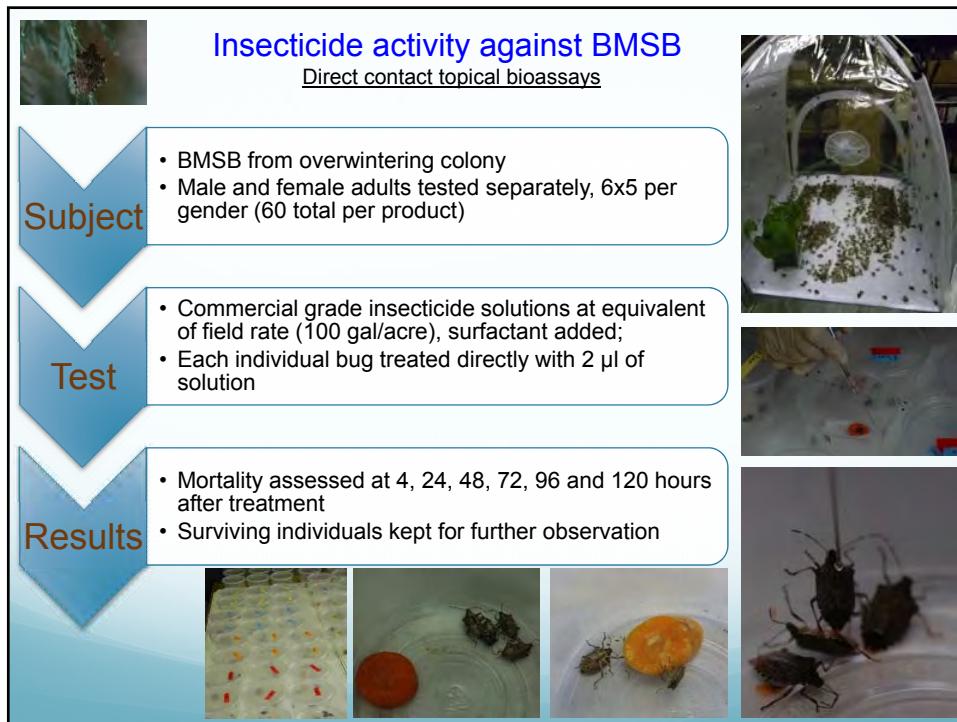


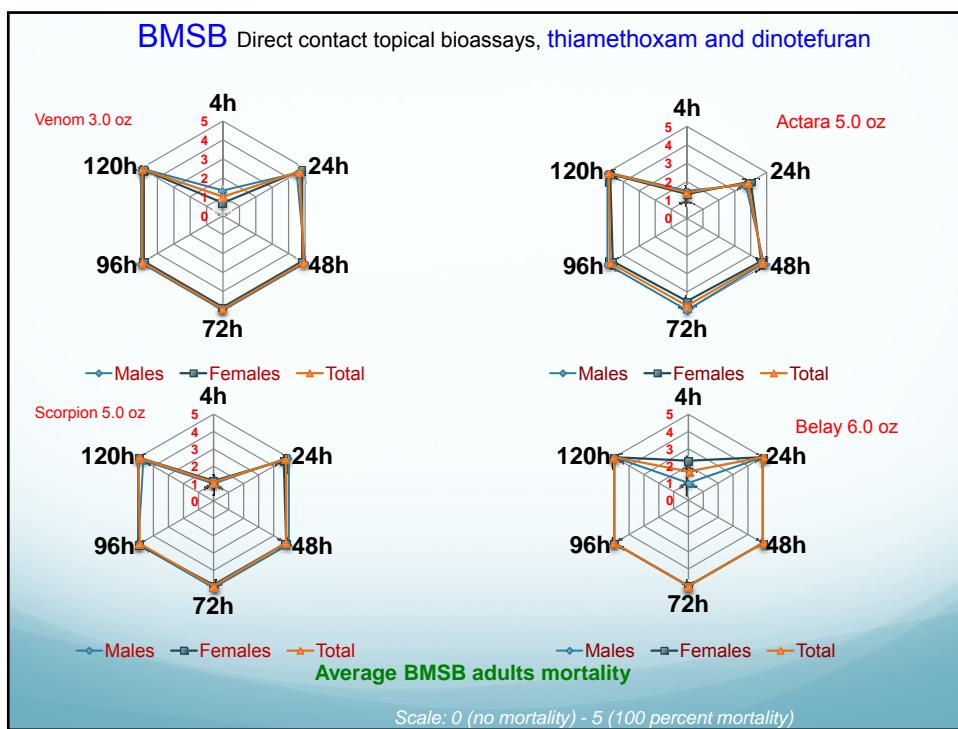
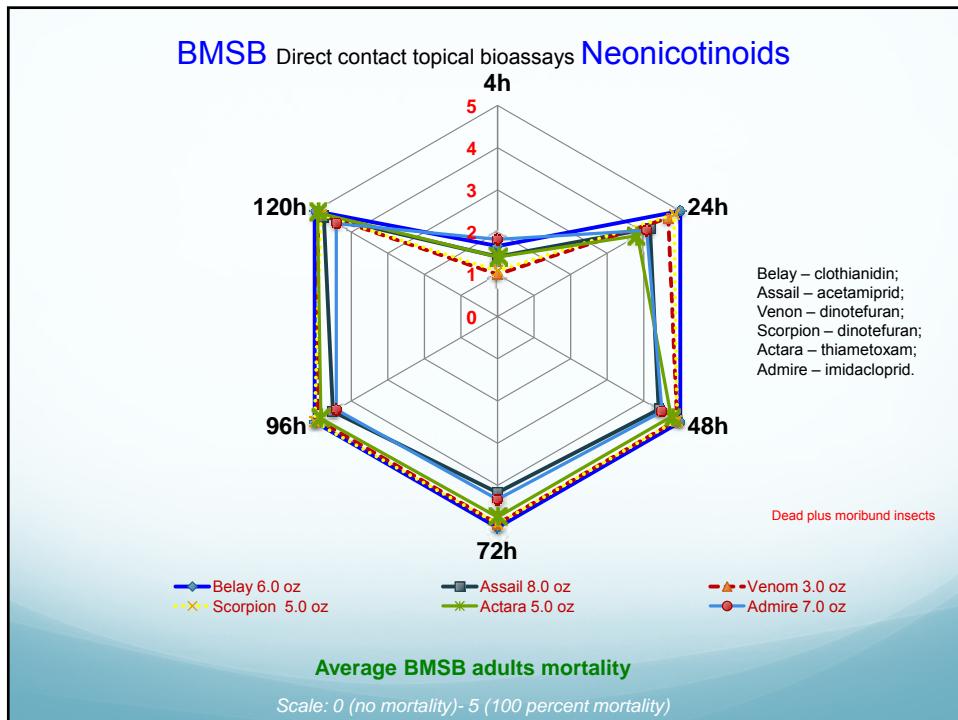


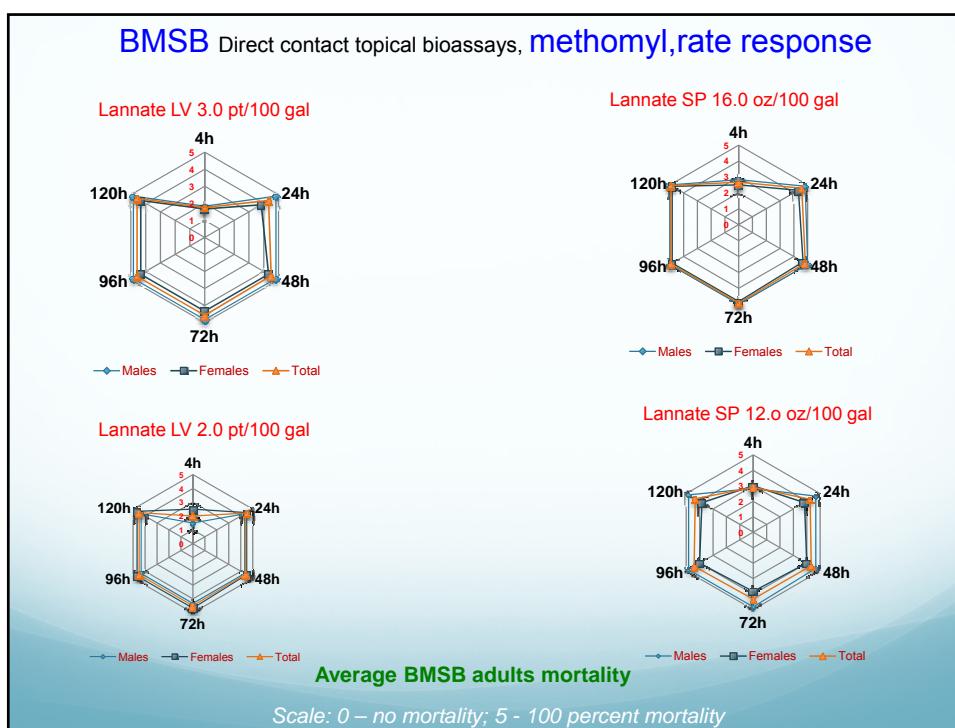
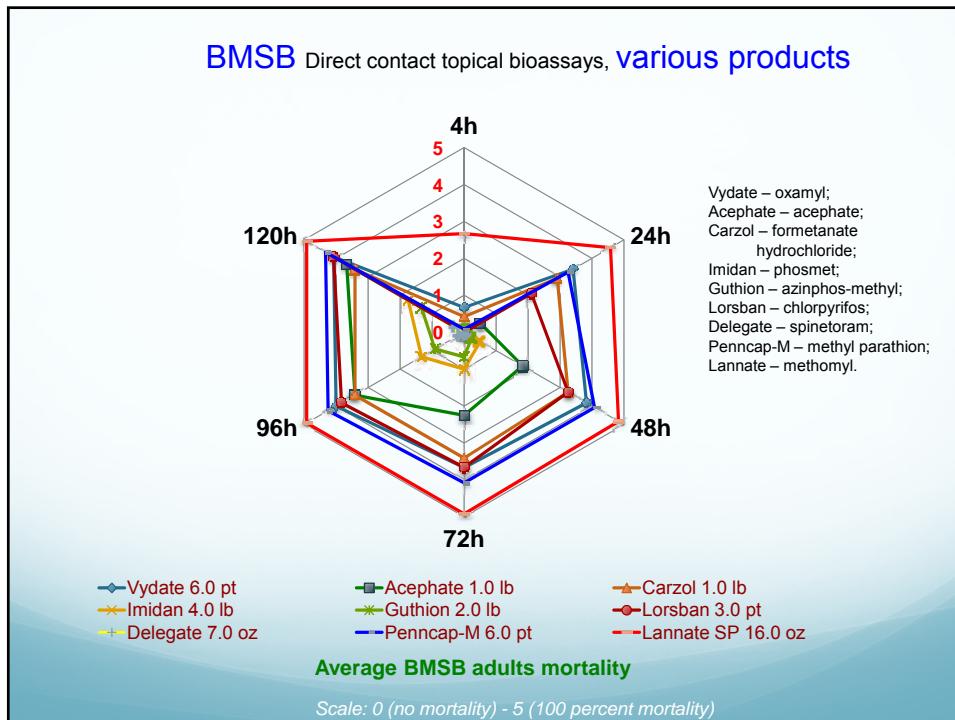






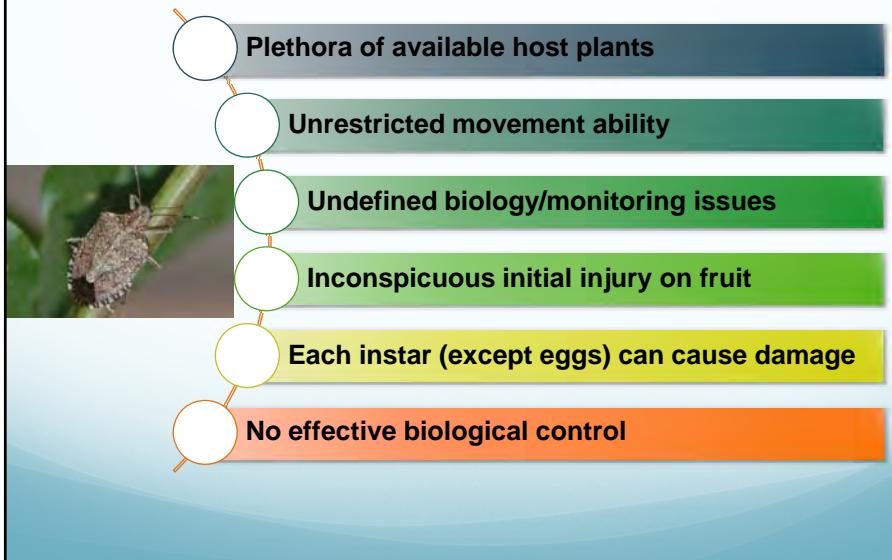






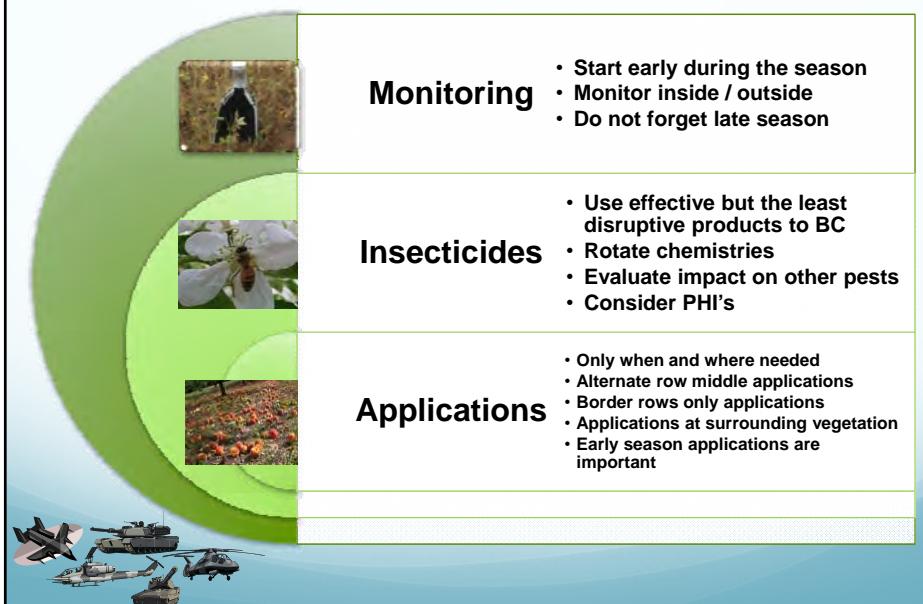
Summary

Brown marmorated stink bug (*aka Asian stink bug*)
is not your usual insect pest



Recommendations.....

BMSB management suggestions for the 2011 season



Questions ?



Photo by T. Haas

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