

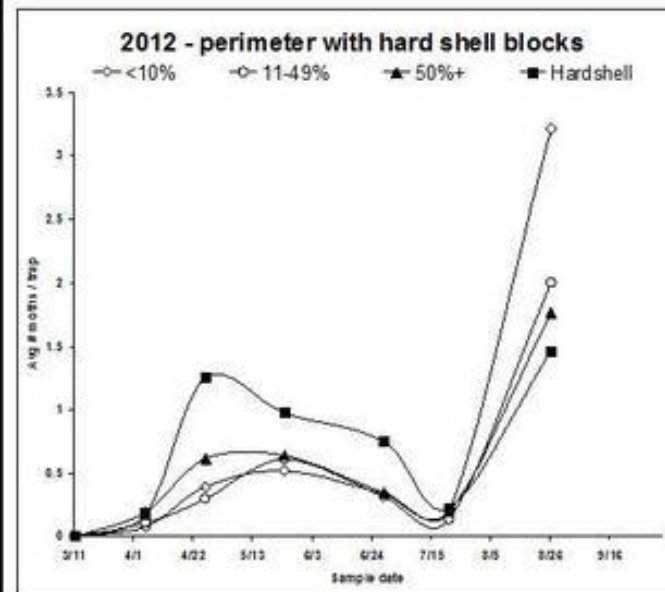
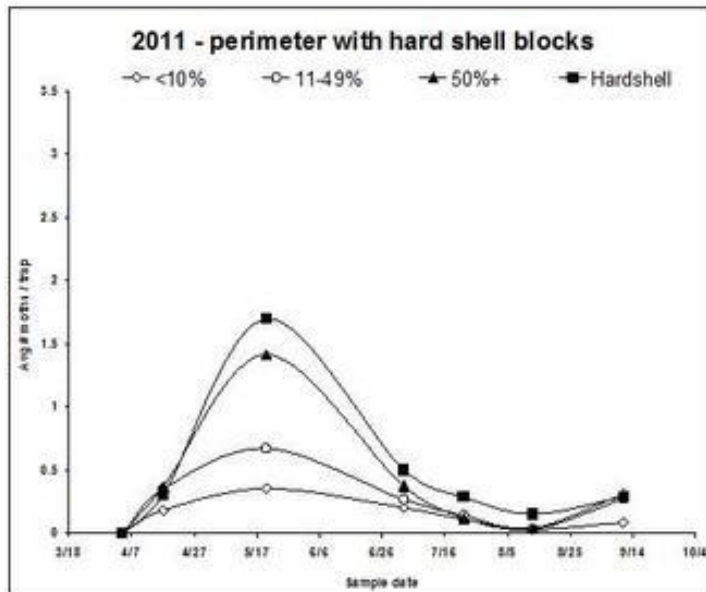
Mass Trapping *Amyelois transitella*: a case for area-wide application

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What happened in 2012?

- 1) 2x the moths = 2x the damage
- 2) 2-3 moths / trap in 2011 ok, while 5-6 moths / trap in 2012 was not
- 3) Increase the number of traps to maintain 2-3 moth per trap estimate
- 4) Some years no sprays necessary in Kern Co
- 5) Early harvest!!
- 6) Identify sources and sinks of moths
- 7) Larger the area the greater the return



% Border perimeter shared	Number of Blocks	Moths Trapped		Soft shell harvest damage				
		Est.	Actual (%)	Total	Nonpareil	Carmel	Monterey	Fritz
< 10%	30	2036	1008 (49.5%)	0.34%	0.13%	0.59%	1.72%	0.30%
11 - 49%	6	1219	1068 (87.6%)	1.12%	0.25%	0.65%	1.58%	2.34%
50%+	5	2008	6943 (345%)	2.02%	0.61%	2.70%	1.48%	1.51%
Hardshell	21	12226	7033 (57.5%)					

% Border perimeter shared with	Number of Blocks	Moths Trapped		Soft shell harvest damage				
		Est.	Actual (%)	Total	Nonpareil	Carmel	Monterey	Fritz
< 10%	30	4987	7425 (150%)	1.69%	2.00%	0.99%	1.35%	2.61%
11 - 49%	6	2116	3105 (147%)	1.67%	2.08%	0.84%	1.04%	2.36%
50%+	5	1641	3552 (214%)	1.68%	2.30%	0.96%	1.97%	1.14%
Hardshell	21	20906	17433 (84%)					