



Pest Cast

The Row Crops IPM Newsletter for the LRGV, a cooperative project of Texas AgriLife Extension Service and the Cotton & Grain Producers of the lower Rio Grande Valley

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Volume XXXVII

Issue 12, June 13, 2014

General Situation

Very hot again this week. Temperatures were in the upper 90s during the day and upper 70s at night. The hot days and warm nights have helped generate some good heat units and all crops are maturing well across the Valley.

Cotton

Cotton is maturing well and looking good throughout the Valley. There has been a decline in red spidermites in fields. A few whiteflies are being seen in Cameron and Hidalgo counties along the river but very light numbers. Out in Willacy County a few fleahoppers are still present but populations were below late season threshold.

Grain Sorghum

In grain sorghum there were a few reports of midge hitting the late planted fields of sorghum. There were also reports of headworms out in Willacy County and a few fields were being sprayed. Sugarcane aphids are still scarce since last week when we noticed a crash in populations, which is good as harvest time is just around the corner.

***We will be holding a Sugarcane aphid Field Day on Thursday June 19th at the Weslaco Hoblitzelle Auditorium Texas AgriLife Research and Extension 2415 E. Hwy 83 Weslaco, TX 78596 from 8:30 am to 10:30am. Sign will be from 8am to 8:30am. We will have breakfast and coffee. 1 TDA CEU will be given to licensed applicators. Come join us as we look at the trials in the field and share new data on chemical trials we conducted research on this year.**

Volunteer Cotton Herbicide Trial

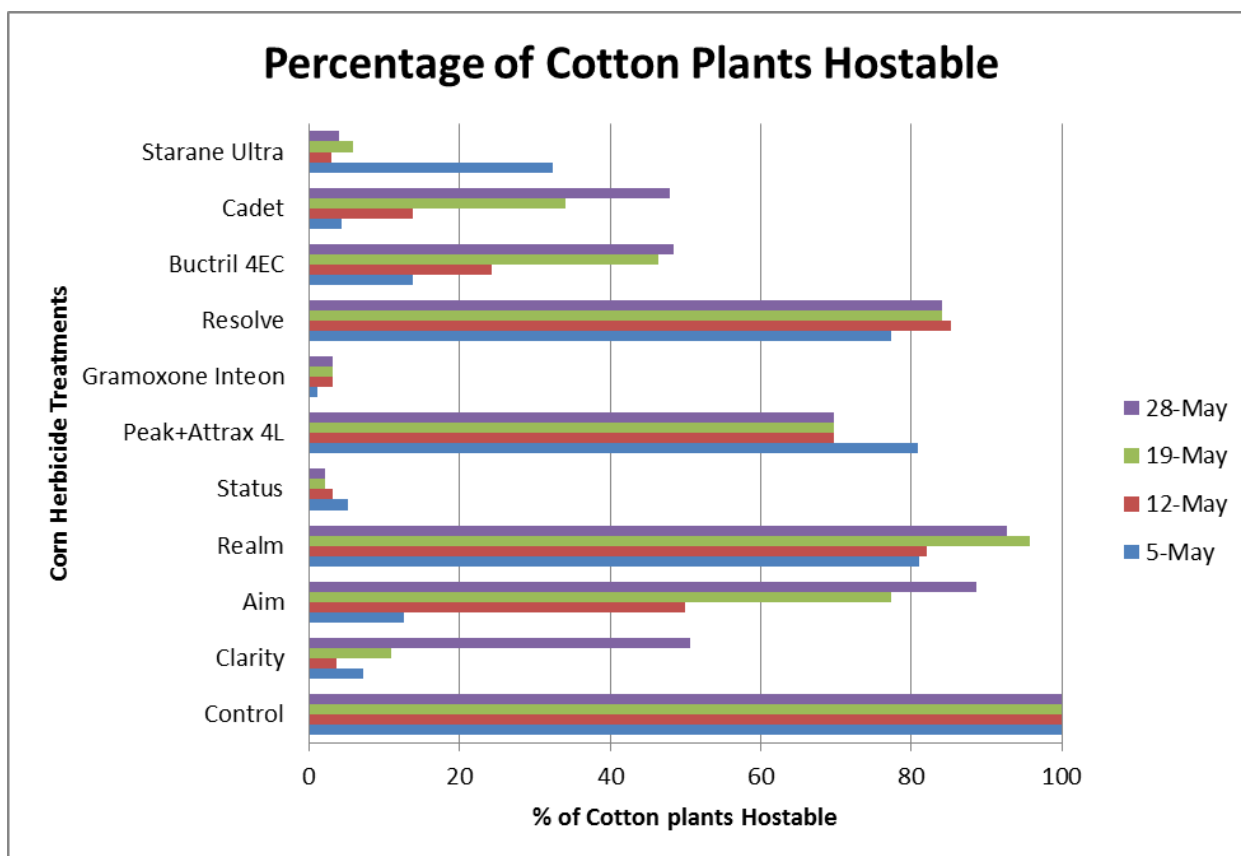
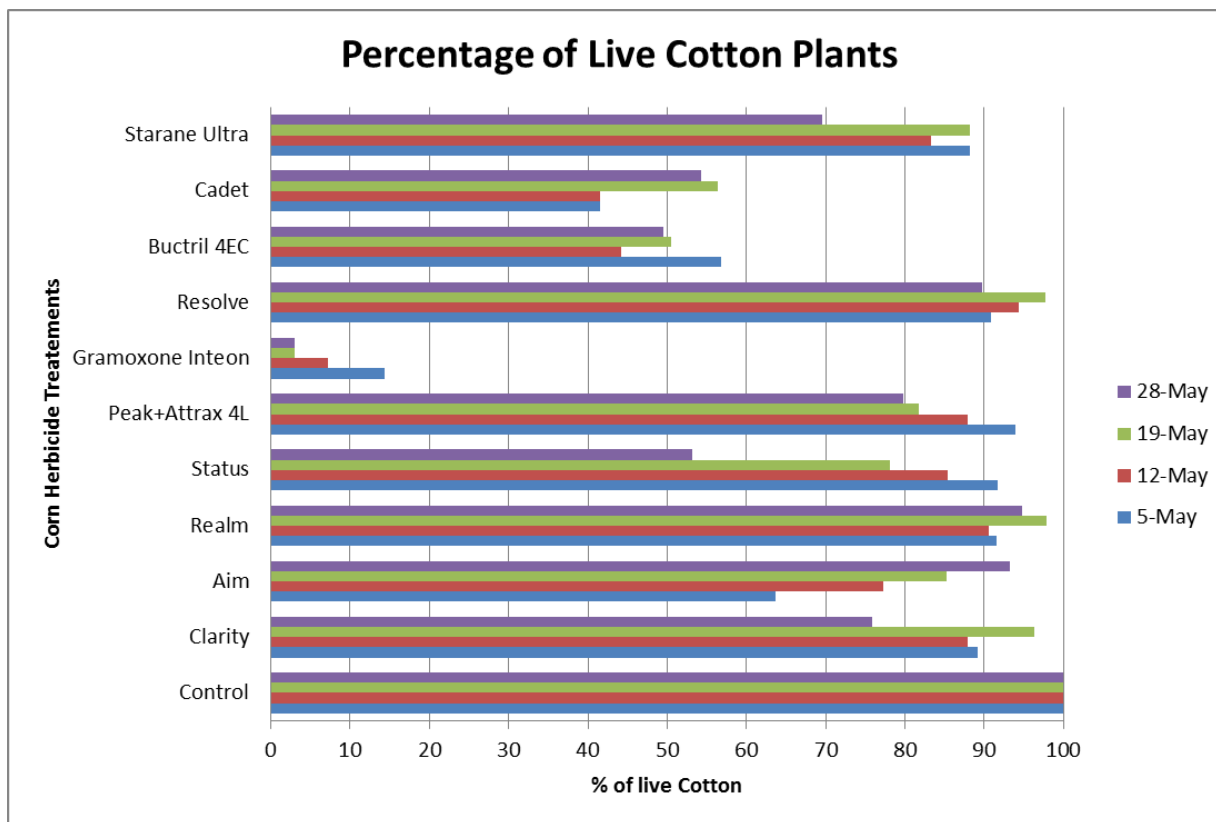
Two trials were conducted to evaluate the control of volunteer cotton in corn and in grain sorghum. For each trial four rows of either corn or grain was planted with cotton planted right alongside it. Herbicides were applied to cotton at 5 true leaf stage. Ten herbicides for corn were tested and seven herbicides for grain sorghum were tested. Each treatment was replicated three times. In each of the two trials the percentage of "live cotton plants" were evaluated before and after application. The percentage of "hostable cotton plants" was also counted and evaluated after application. Data was collected each week after the herbicide was applied for four weeks. The data shows in both trials that volunteer cotton is no easy task to kill and that a 100% kill is not feasible with one application. Cotton plants have regrowth with one herbicide application and what we noticed was that the hormone herbicides and a couple others were giving good control as far as making the cotton plant not hostable to the boll weevil. The results for both trials are located in the following pages:

Corn/Cotton Field Herbicide Trial Plot Map

		North			
	Plot	Herbicide Applied			
	312	Control			
	311	Status			
	310	Aim			
	309	Clarity			
	307	Peak+Attrex 4L			
	306	Cadet			
	305	Buctril 4EC			
	304	Starane Ultra			
	303	Resolve			
	302	Gramoxone Inteon			
	301	Realm			
	212	Cadet			
	211	Peak+Attrex 4L			
	209	Realm			
	208	Status			
West	207	Resolve	East		
	206	Clarity			
	205	Buctril 4EC			
	204	Starane Ultra			
	203	Aim			
	202	Control			
	201	Gramoxone Inteon	Rate		
	112	Starane Ultra	6.4 fl oz.		
	111	Cadet	0.9 fl oz.	phase added	
	110	Buctril 4EC	.75 pint		
	109	Resolve	1.25 dry oz.	phase, and ams added	
	108	Gramoxone Inteon	2 pints	phase added	
	107	Peak+Attrex 4L	1.33 dry oz, 2 pints	phase added	
	106	Status	10 dry oz.	phase, and ams added	
	105	Realm	4 dry oz.	phase, and ams added	
	104	Aim	1 fl oz.	phase added	
	102	Clarity	16 fl oz.	ams added	
	101	Control			
		South			



Corn and 5 true leaf cotton before herbicide was applied





Clarity after one week from application



Aim after one week application



Realm after one week from application



Status after one week from application



Peak + Attrex 4L after one week from application



Gramoxone Inteon after one week from application



Resolve after one week from application



Buctril 4EC after one week from application



Starane Ultra after one week from application



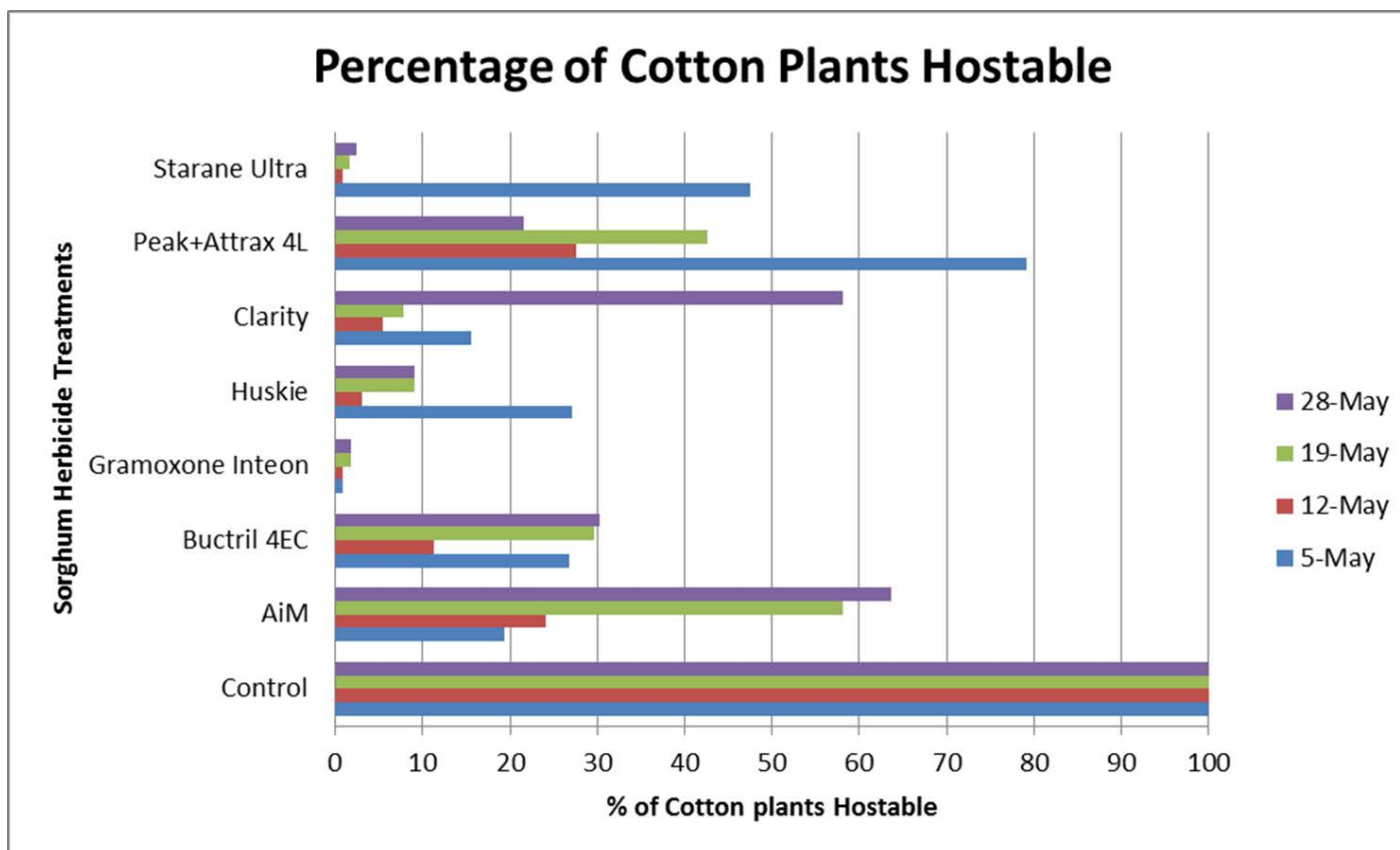
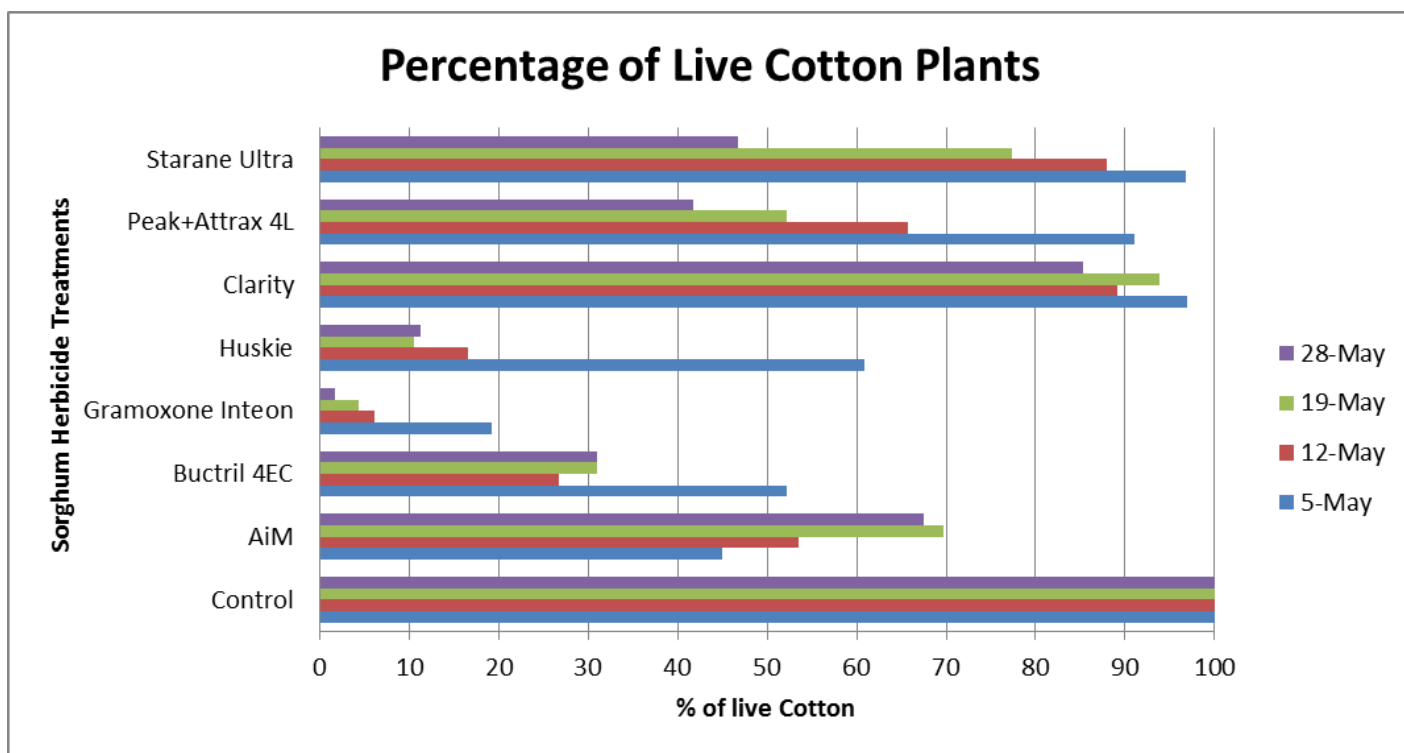
Cadet after one week from application

Sorghum/Cotton Herbicide Trial Plot Map

				North	
		Plot	Herbicide Applied		
		308	Clarity		
		307	Peak+Attrex 4L		
		306	Gramoxone Inteon		
		305	Aim		
		304	Huskie		
		303	Starane Ultra		
		302	Buctril 4EC		
		301	Control		
		208	Starane Ultra		
		207	Peak+Attrex 4L		
West		206	Control		East
		205	Aim		
		204	Gramoxone Inteon		
		203	Huskie		
		202	Buctril 4EC		
		201	Clarity		
		108	Starane Ultra	Rate	
		107	Peak+Attrex 4L	6.4 fl oz.	
		106	Clarity	1.33 dry oz, 2 pints	phase added
		105	Huskie	16 fl oz.	ams added
		104	Gramoxone Inteon	15 fl. oz	ams added
		103	Buctril 4EC	2 pints	phase added
		102	Aim	.75 pints	
		101	Control	1 fl oz	phase added
			South		



Cotton at 5 true leaf stage and grain sorghum before herbicide application





Aim one week after herbicide application



Buctril 4EC one week after herbicide application



Gramoxone Inteon one week after application



Huskie one week after application



Clarity one week after application



Peak + Attrex one week after herbicide application



Starane Ultra one week after application

We thank the following Sponsors of the Pest Cast newsletter for their very generous contributions toward this effort.



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