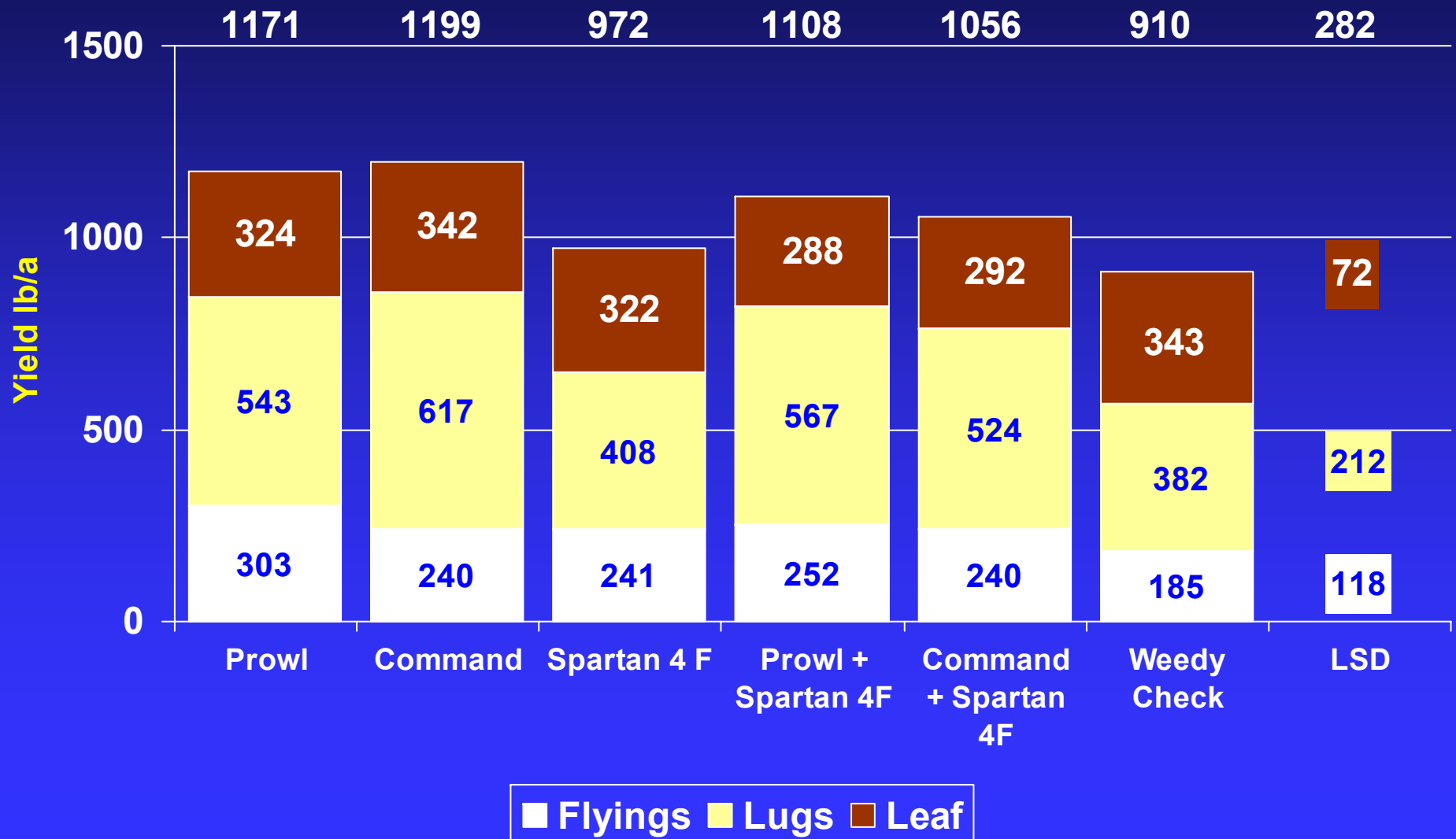


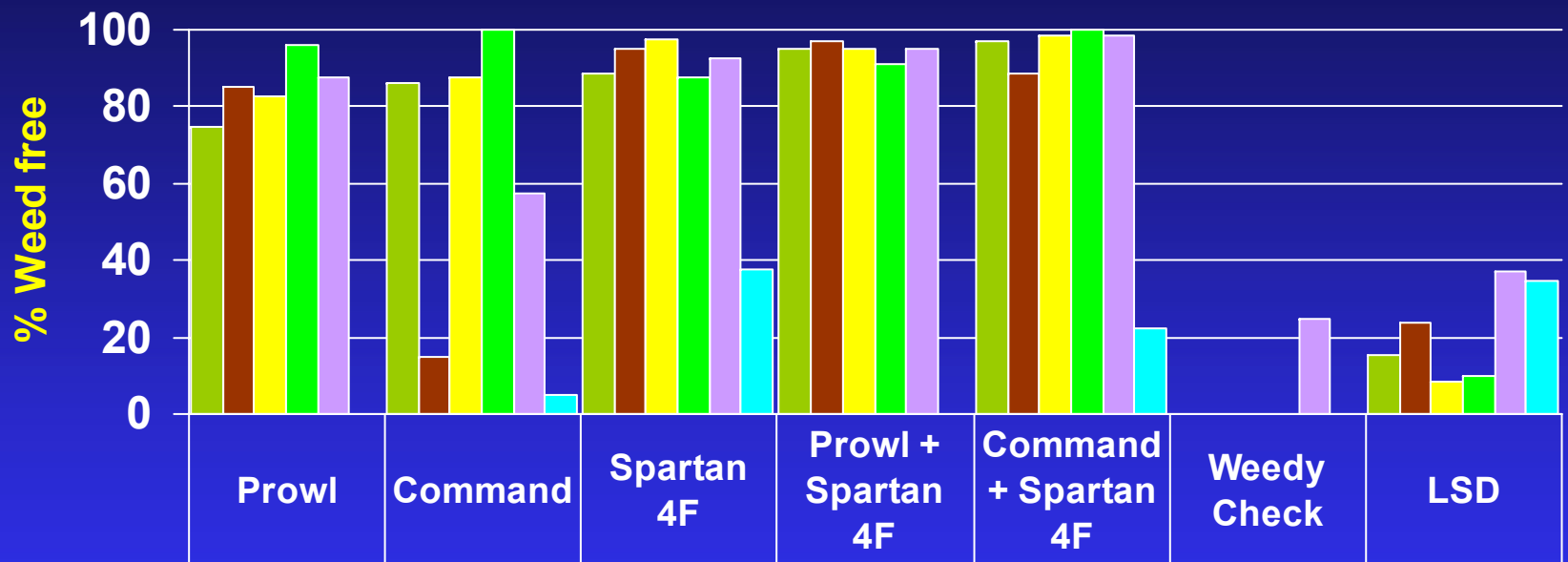
Herbicides Trials

The Fayette Co. herbicide trial was severely affected by weather, but weed control trends are evident in the weed pressure rating. Command alone was weak on pigweed as expected. Adding Spartan improved control. Command alone or in combination with Spartan provided excellent control of common ragweed. Spartan alone or in combination with Prowl or Command gave excellent control of pigweeds, yellow nutsedge and morningglories.

Influence of Herbicide on Burley Tobacco Yield Fayette Co. – David Tucker Farm



Weed Pressure in Burley Tobacco Treated with Herbicides Fayette Co. – David Tucker Farm



	Prowl	Command	Spartan 4F	Prowl + Spartan 4F	Command + Spartan 4F	Weedy Check	LSD
■ Annual Grass	75	86.25	88.75	95	97.25	0	15.4
■ Pigweed	85	15	95	97.25	88.75	0	23.8
■ Yellow Nutsedge	82.5	87.5	97.5	95	98.75	0	8.6
■ Common Ragweed	96.25	100	87.5	91.25	100	0	10
■ Morningglories	87.5	57.5	92.5	95	98.75	25	37.2
■ Carpetweed	0	5	37.5	0	22.5	0	34.8

Fungicides Trials

Blue mold pressure was severe while black shank pressure was mild. Ridomil down followed by an experimental chemical at the 1st cultivation followed by Ridomil at the 2nd cultivation or layby was significantly better than the check.

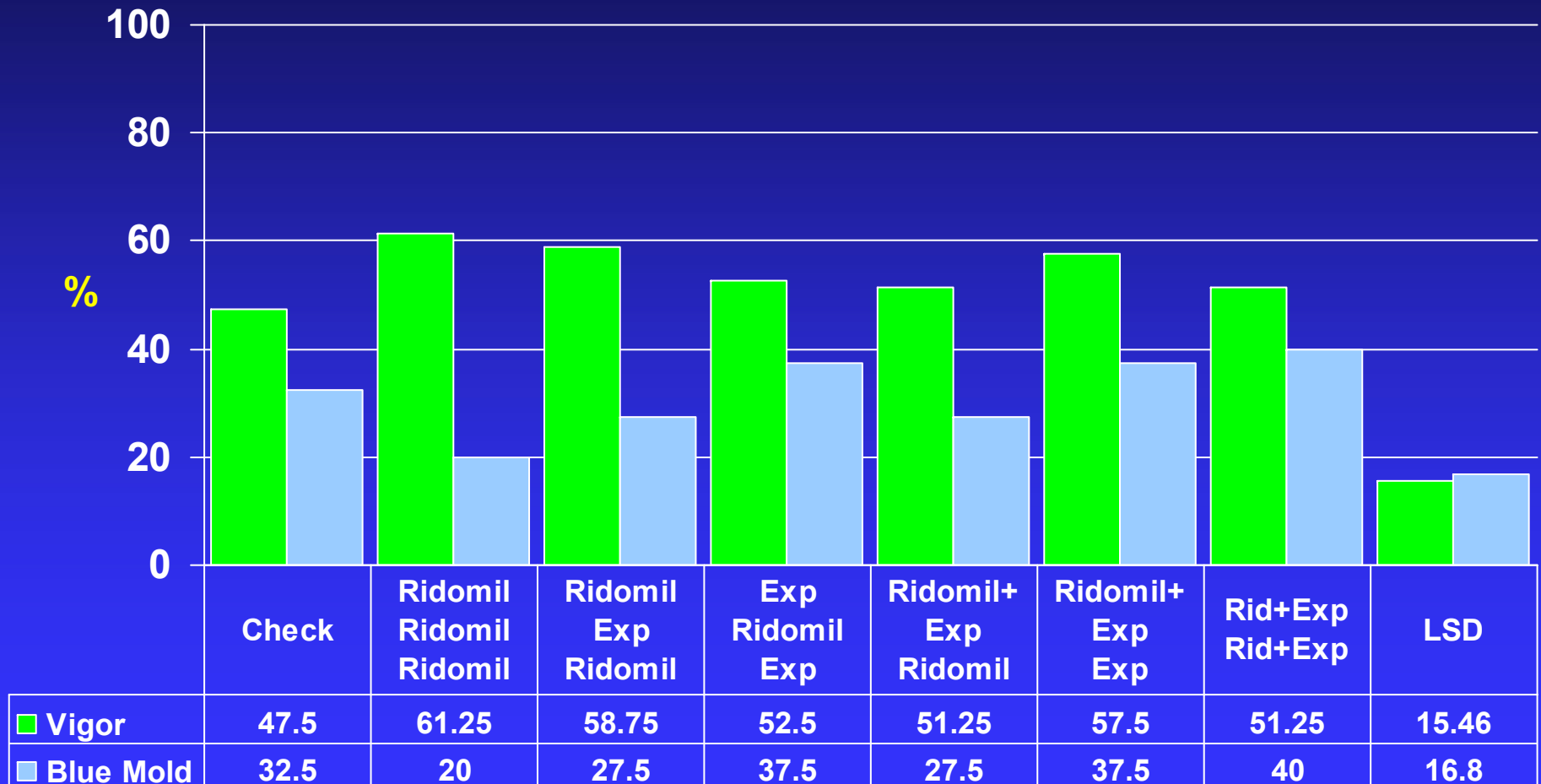
All blue mold treatments were measurably better yielding than the check, but only the Acrobat, experimental at 8 fl oz/a over-the-top, the experimental at 12 fl oz/a and the experimental rotated with Actigard were significantly better. Actigard alone did not look as good as it can due to the severe blue mold damage prior to the plants reaching the label required 18" height.

Black Shank Trials in Harrison Co. Ronnie Franklin Farm

	Treatment	Rate Actual	Timing
1	Check	-	-
2	Ridomil Gold	16 oz	ppi
	Ridomil Gold	16 oz	1st cult
	Ridomil Gold	16 oz	2nd cult
3	Ridomil Gold	16 oz	ppi
	Experimental	15.4 oz	1st cult
	Ridomil Gold	16 oz	2nd cult
4	Experimental	15.4 oz	ppi
	Ridomil Gold	16 oz	1st cult
	Experimental	15.4 oz	2nd cult
5	Ridomil Gold + Experimental	16 oz	
		15.4 oz	ppi
	Ridomil Gold	16 oz	2nd cult
6	Ridomil Gold+ Experimental	16 oz	
		15.4 oz	ppi
	Experimental	15.4 oz	2nd cult
7	Ridomil Gold + Experimental	16 oz	
		15.4 oz	ppi
	Ridomil Gold + Experimental	16 oz	2nd cult
		15.4 oz	

Black Shank Fungicide Trial Harrison Co. – Ronnie Franklin Farm

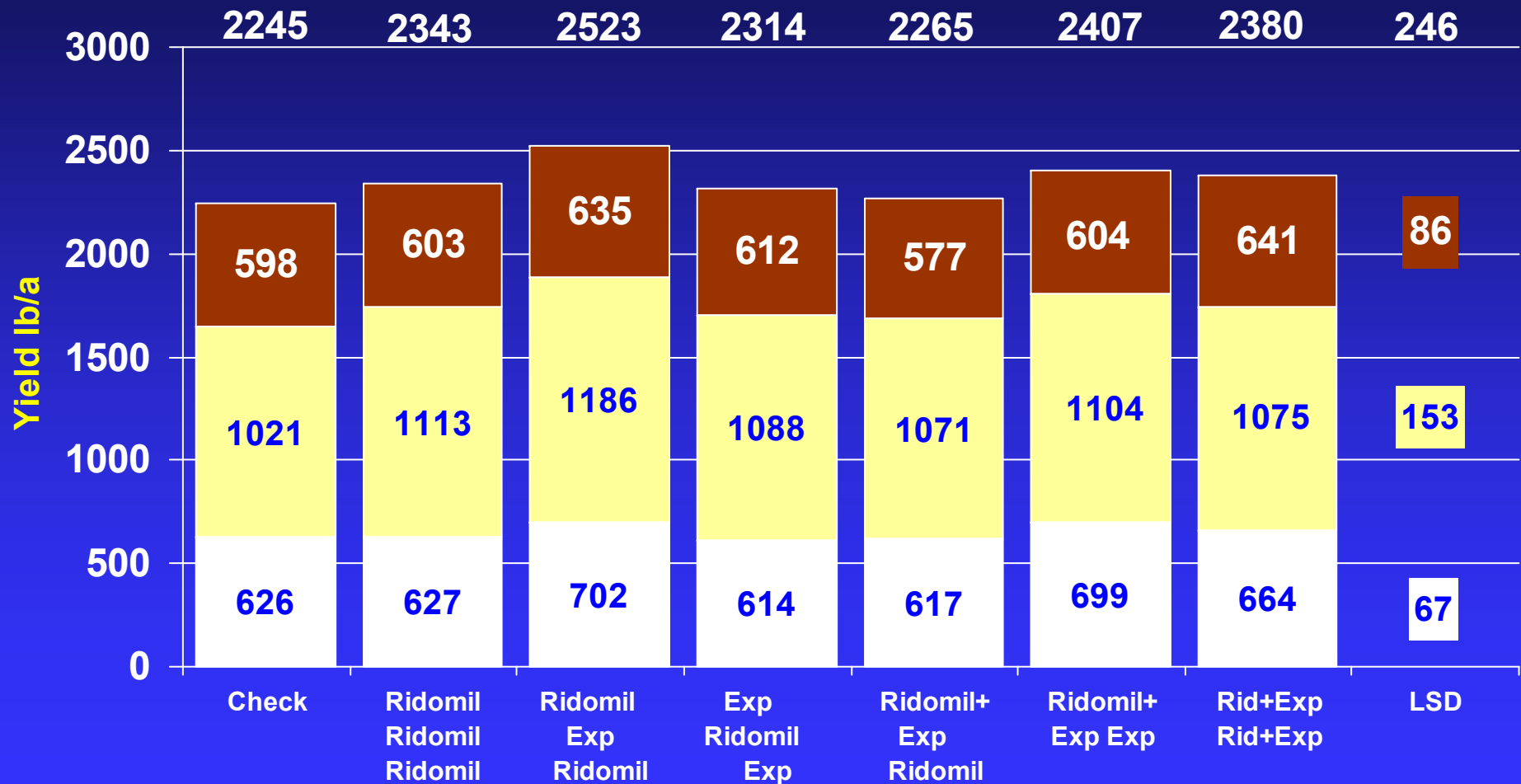
8/3/2004



Exp = Experimental, See previous slide for data sheet containing details of application timing and rate

Black Shank Fungicide Trial

Harrison Co. – Ronnie Franklin Farm



Flyings
 Lugs
 Leaf

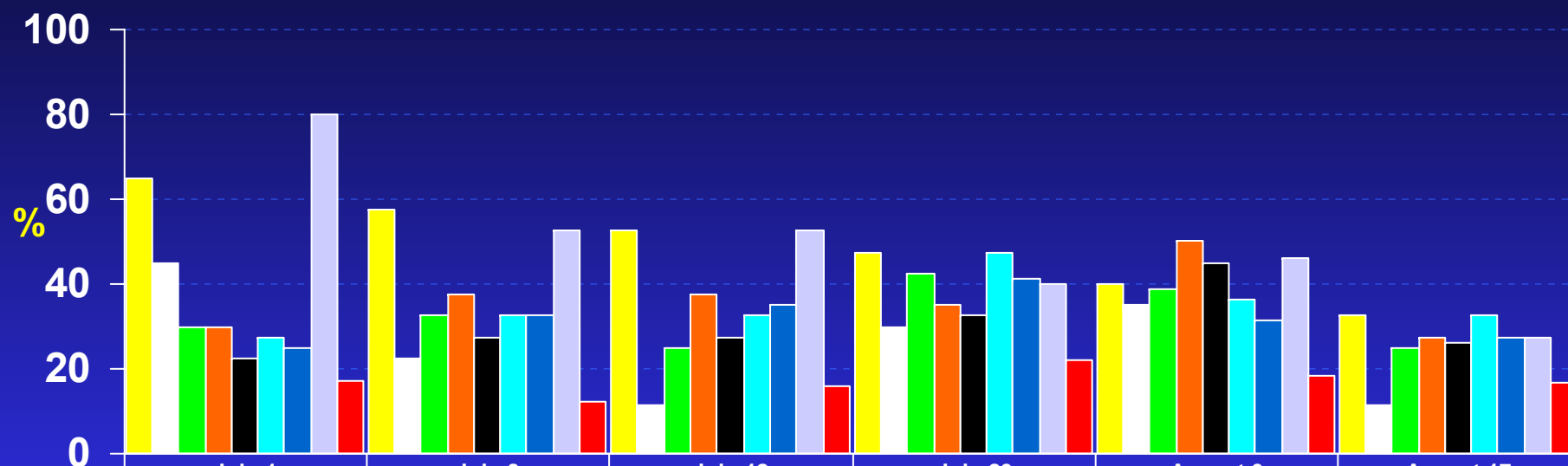
Exp = Experimental, See Treatment slide for data sheet containing details of application timing and rate

Blue Mold Treatments

	Treatment	Rate Actual	Timing	INT	trt	coverage
1	Check	-	-	-		
2	Acrobat MZ	2.5 lb/100gal	onset	10d	5	full
3	Exp	8 fl oz/a	onset		5	full
4	Exp	8 fl oz/a	onset	10d	5	overtop
5	Exp	12 fl oz/a	onset	10d	5	full
6	Exp	8 fl oz/a	onset		2	full
	Actigard 50 WG	0.5 fl oz/a	18in	10d	3	overtop
7	Exp	8 fl oz/a	onset	alt	3	full
	Actigard 50 WG	0.5 fl oz/a	18in	alt	2	overtop
8	Actigard 50 WG	0.5 fl oz/a	18in	10d	3	overtop

Blue Mold Incidence

Harrison Co. – Tony Herrington Farm

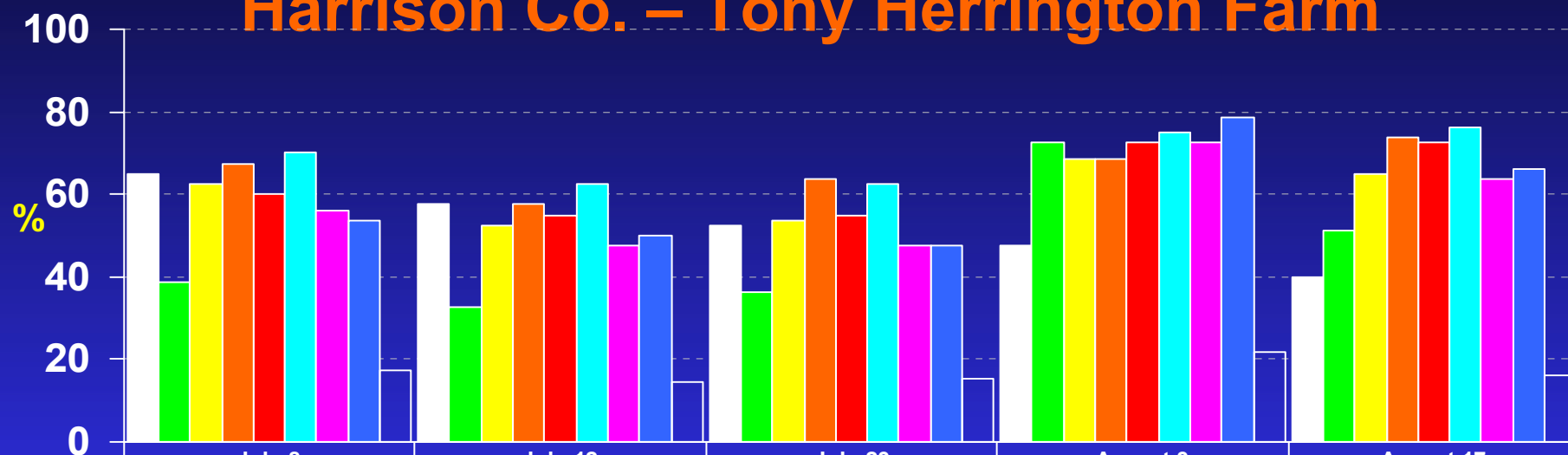


	July 1	July 8	July 12	July 23	August 3	August 17
■ Check	65	57.5	52.5	47.5	40	32.5
■ Acrobat	45	22.5	11.25	30	35	11.25
■ Exp 8	30	32.5	25	42.5	38.75	25
■ Exp 8OT	30	37.5	37.5	35	50	27.5
■ Exp 12	22.5	27.5	27.5	32.5	45	26.25
■ E-E-A-A-A	27.5	32.5	32.5	47.5	36.25	32.5
■ E-A-E-A-E	25	32.5	35	41.25	31.25	27.5
■ Actigard	80	52.5	52.5	40	46.25	27.5
■ LSD	17.02	12.27	15.79	22.02	18.21	16.67

All plots received 5 treatments except the check and the Actigard alone which received the last 3 only. Exp=Experimental, A=Actigard, OT=Over-the-top. Experimental was applied otherwise as a full coverage. Actigard was applied over-the-top.

Influence of Blue Mold Treatment on Burley Tobacco Vigor

Harrison Co. – Tony Herrington Farm

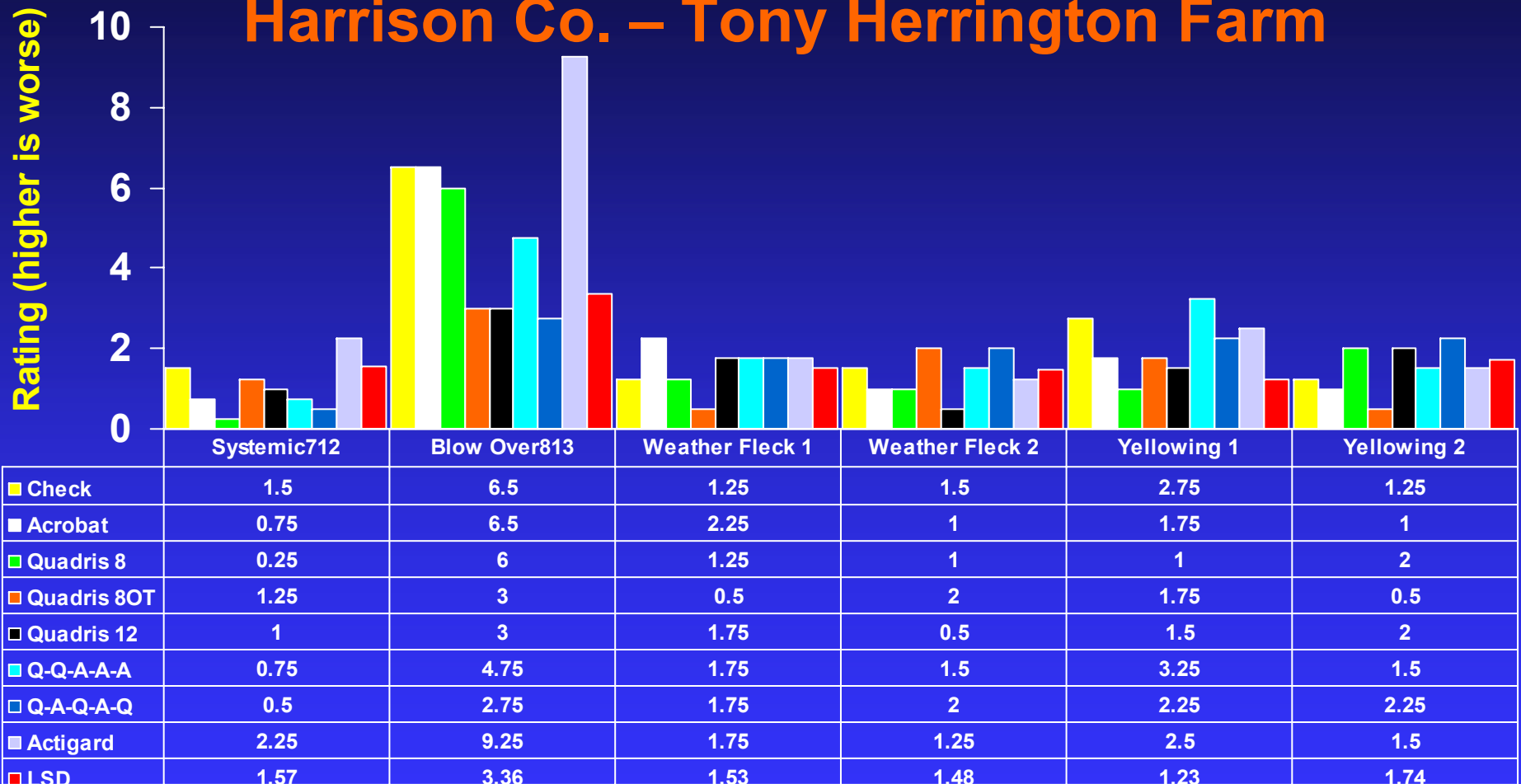


	July 8	July 12	July 23	August 3	August 17
■ Check	65	57.5	52.5	47.5	40
■ Acrobat	38.75	32.5	36.25	72.5	51.25
■ Exp 8	62.5	52.5	53.75	68.75	65
■ Exp 8OT	67.5	57.5	63.75	68.75	73.75
■ Exp 12	60	55	55	72.5	72.5
■ E-E-A-A-A	70	62.5	62.5	75	76.25
■ E-A-E-A-E	56.25	47.5	47.5	72.5	63.75
■ Actigard	53.75	50	47.5	78.75	66.25
■ LSD	17.38	14.44	15.19	21.61	16.16

All plots received 5 treatments except the check and the Actigard alone which received the last 3 only. Exp=Experimental, A=Actigard, OT=Over-the-top. Experimental was applied otherwise as a full coverage. Actigard was applied over-the-top.

Blue Mold Damage and Chemical Injury

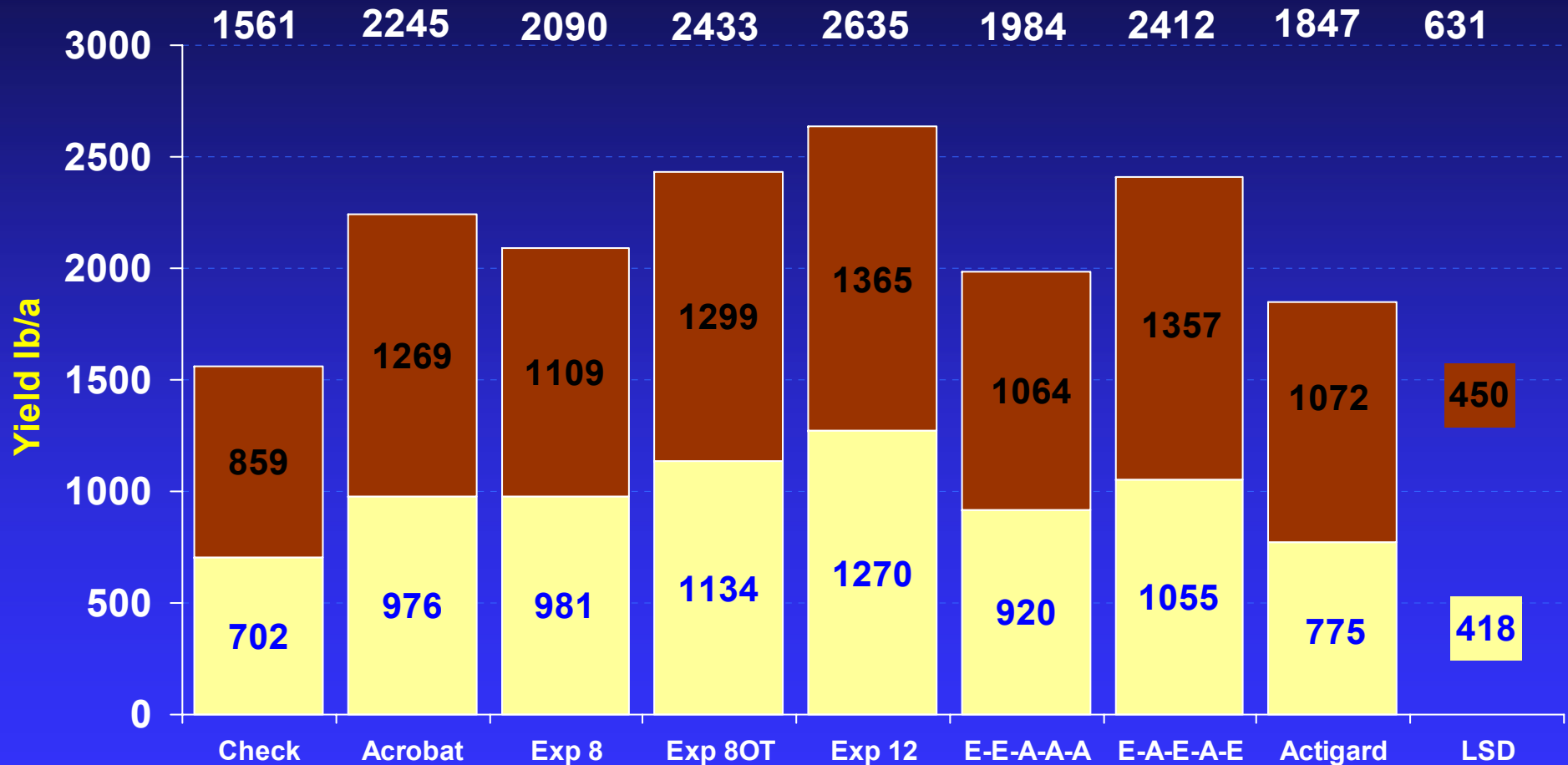
Harrison Co. – Tony Herrington Farm



All plots received 5 treatments except the check and the Actigard alone which received the last 3 only. Exp=Experimental, A=Actigard, OT=Over-the-top. Experimental was applied otherwise as a full coverage. Actigard was applied over-the-top. Blow over is plants out of 20.

Fungicide Trial

Harrison Co. – Tony Herrington Farm



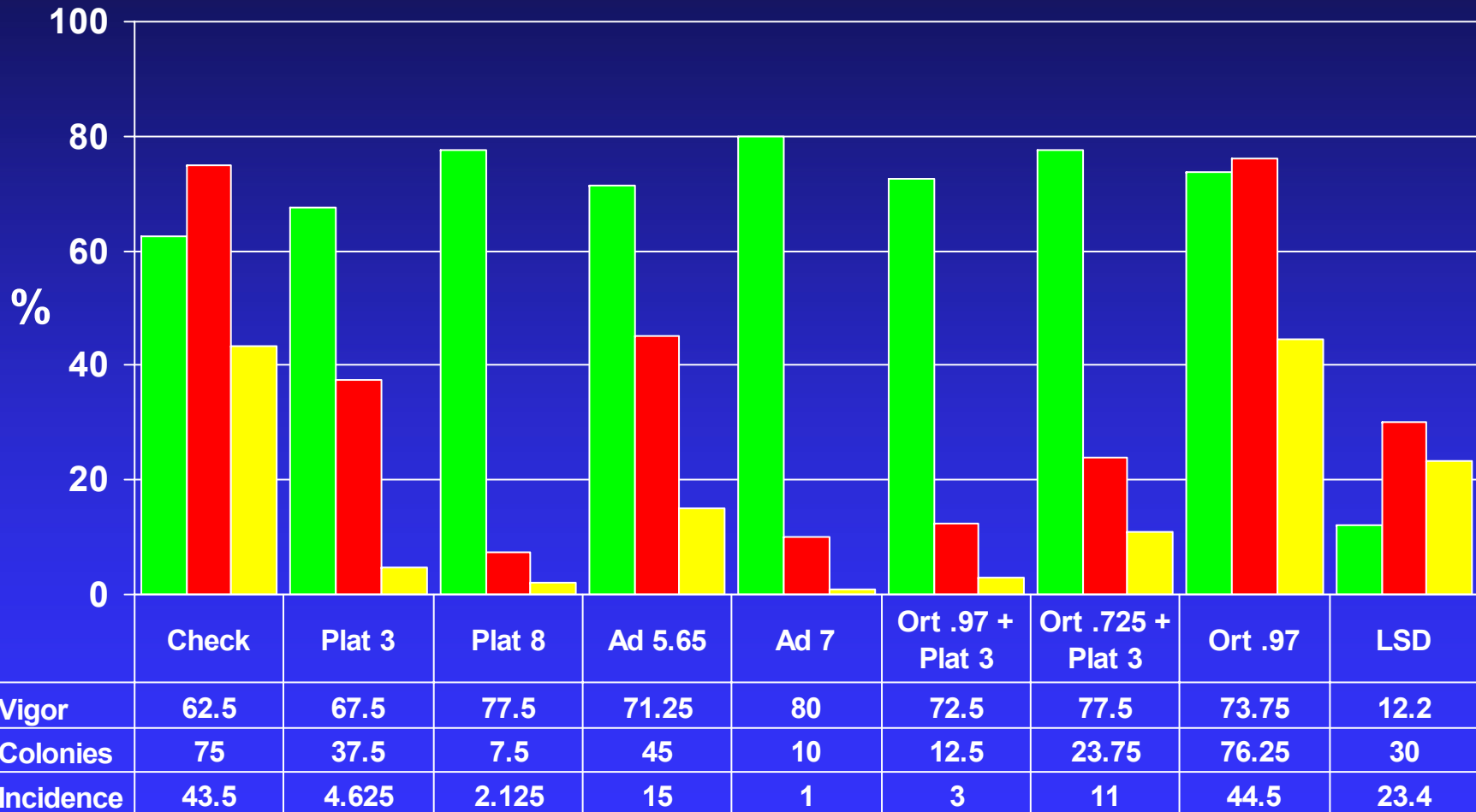
All plots received 5 treatments except the check and the Actigard alone which received the last 3 only. Exp=Experimental, A=Actigard, OT=Over-the-top. Experimental was applied as a full coverage. Actigard was applied over-the-top.

Insecticide Trials

Weather influenced both insecticide trial, but the Boyle Co. location recovered to produce good yields. The high rates of both Admire (7 oz/a) and Platinum (8 oz/a) produced the best vigor and lowest percentage of colonies of aphids with the lowest incidence of aphids per colony. Adding Orthene did not improve results, but could help with cutworms which were not evaluated in this test. However yield although measurably different were not significantly different.

Weather was too severe in Wayne County to draw any conclusions.

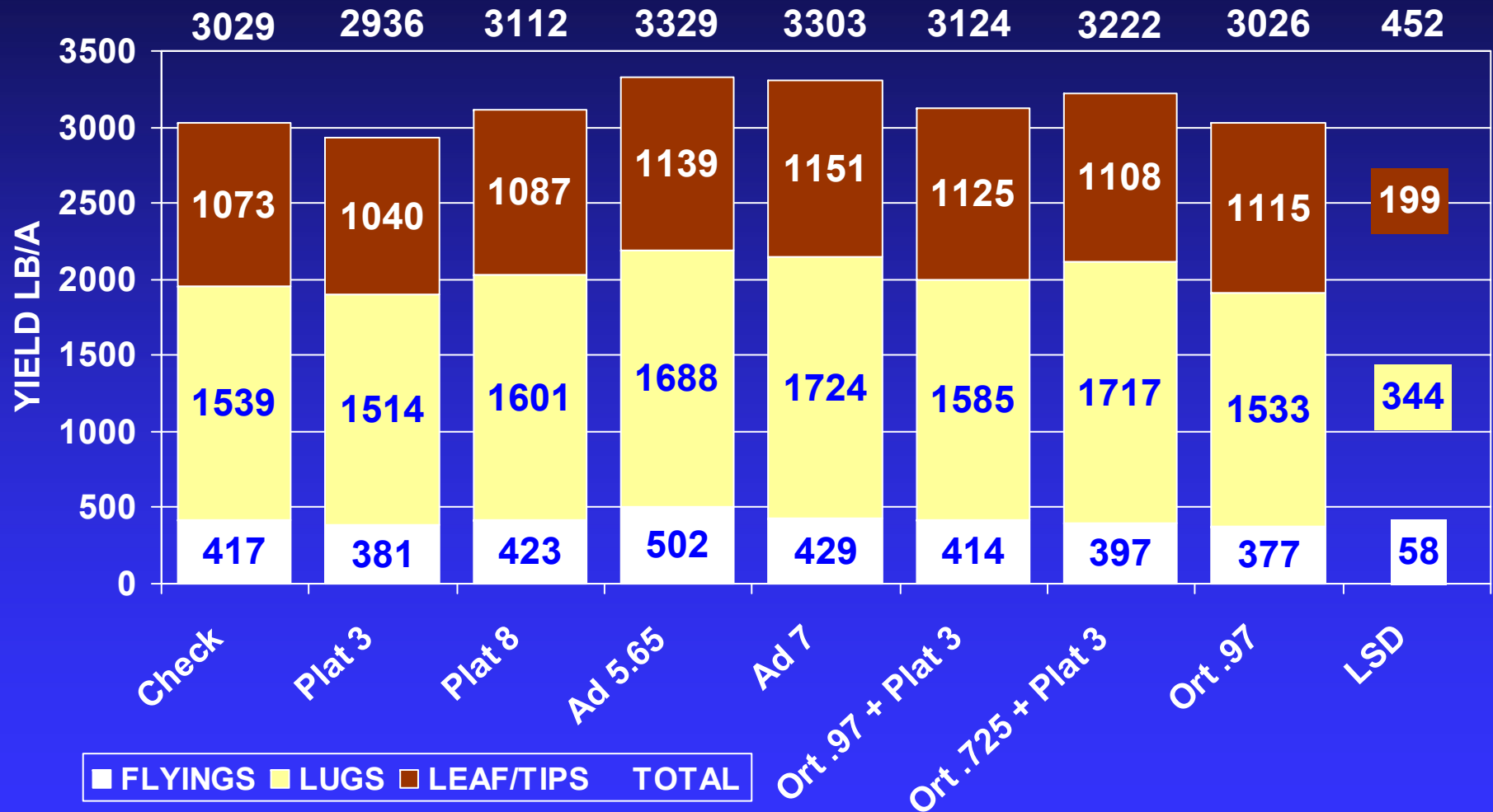
Influence of Insecticide Treatments on Vigor and Aphid Pressure Boyle Co – Alan Goggin Farm – mid season



P=Platinum, A=Admire, #=fl oz/a O=Orthene #= lb/a, Trans = Transplant water, Drenched plants were treated prior to transplanting. Incidence is degree of infestation.

Influence of Insecticide Treatments on Burley Yield

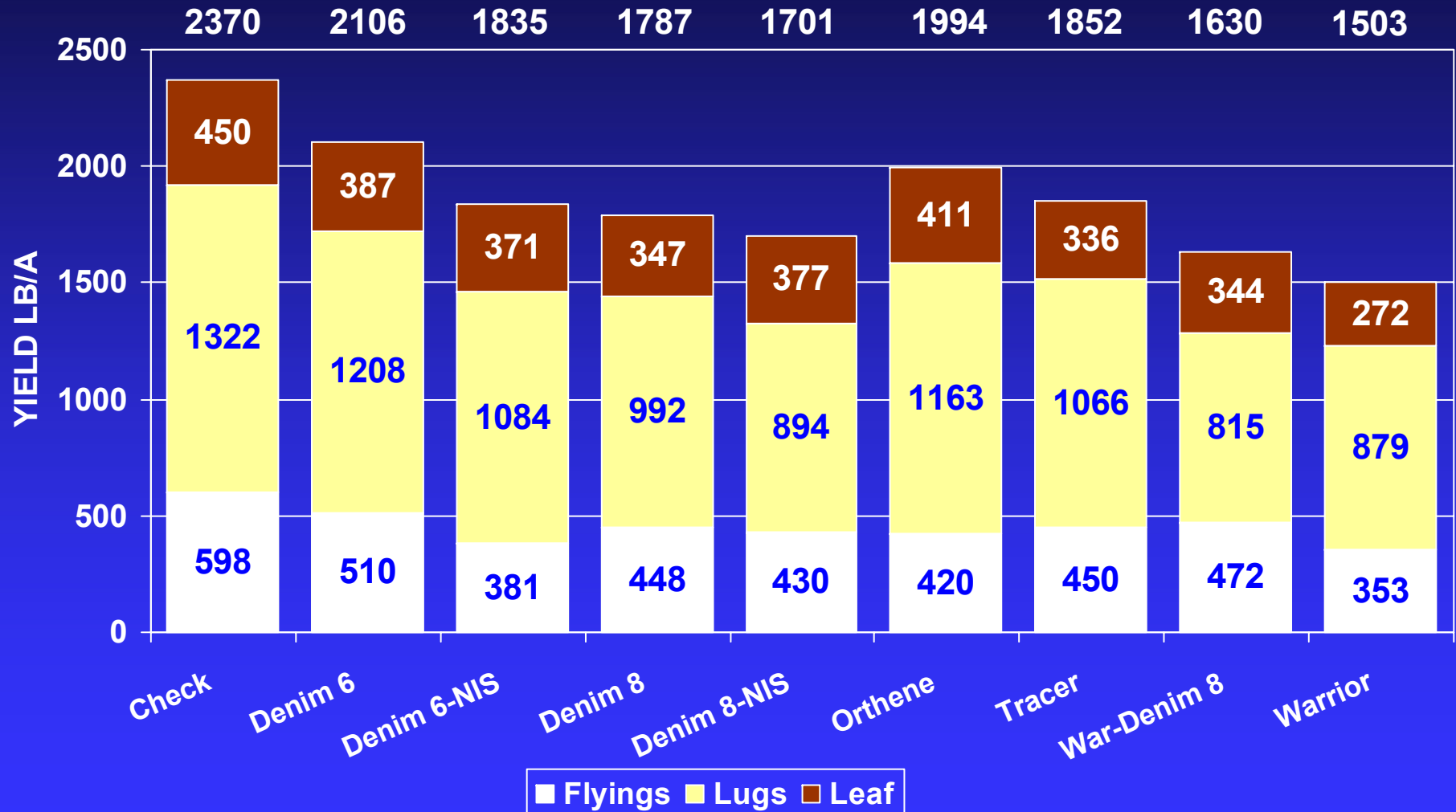
Boyle Co – Allen Goggin Farm



Plat=Platinum, Ad=Admire, Ort=Orthene #=fl oz/a except Orthene in lb/a, Plants were treated to simulate transplant water treatment

Influence of Insecticide Treatments on Burley Yield

Wayne Co – Terry & Tim Bertram Farm



Two treatments each with number equal to fl oz/a rate of Denim. Trial was severely compromised by weather.

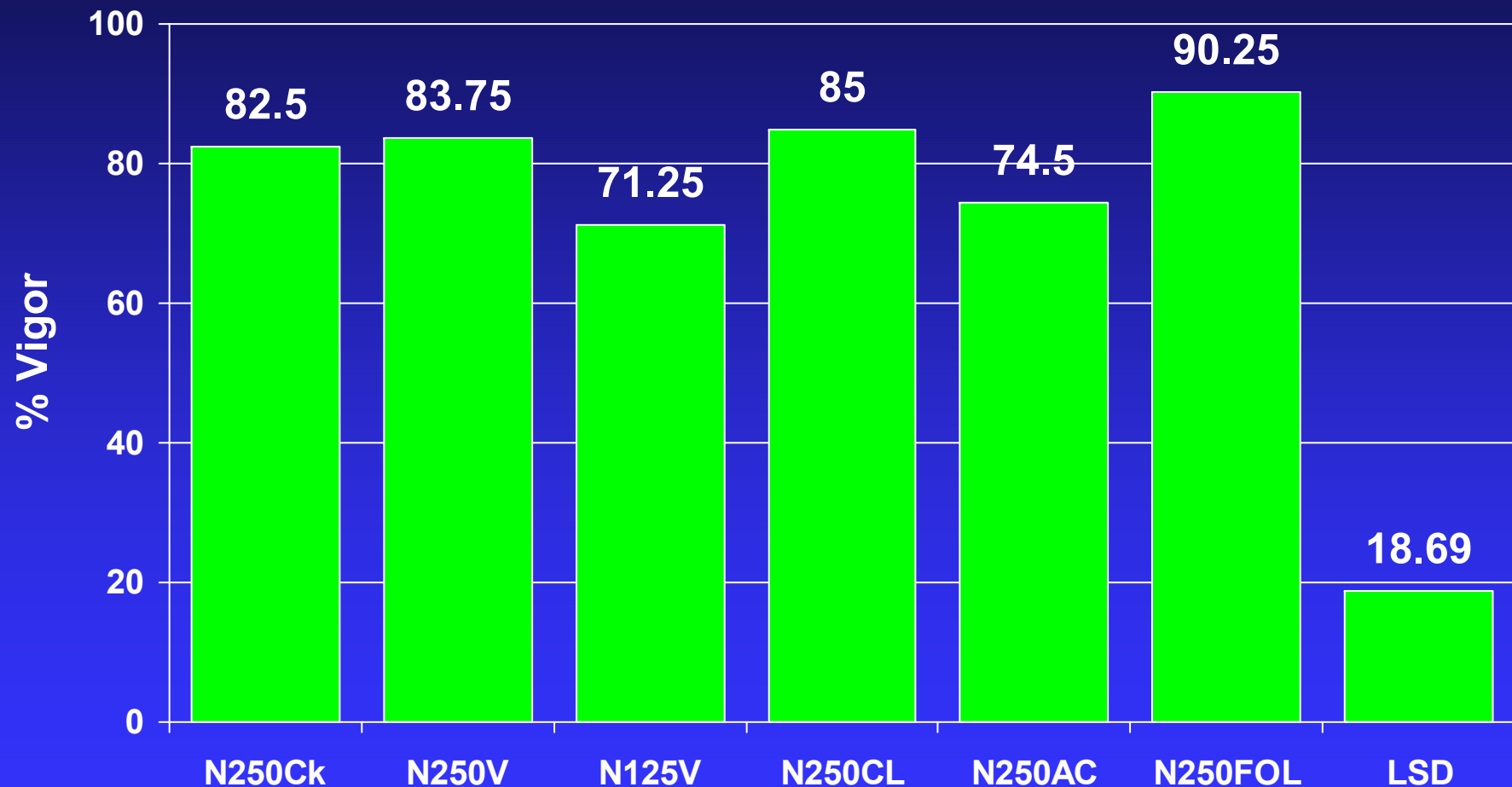
Growth Regulator Trials

Several growth regulators were applied at different time to tobacco to determine possible effects.

Heavy rainfall may have obscured any potential results. Reducing the rate of nitrogen significantly affected yield while adding Vitazime did not maintain yields similar to that where 250 lb/a nitrogen was applied.

Influence of Growth Promoting Chemicals on Burley Tobacco Vigor

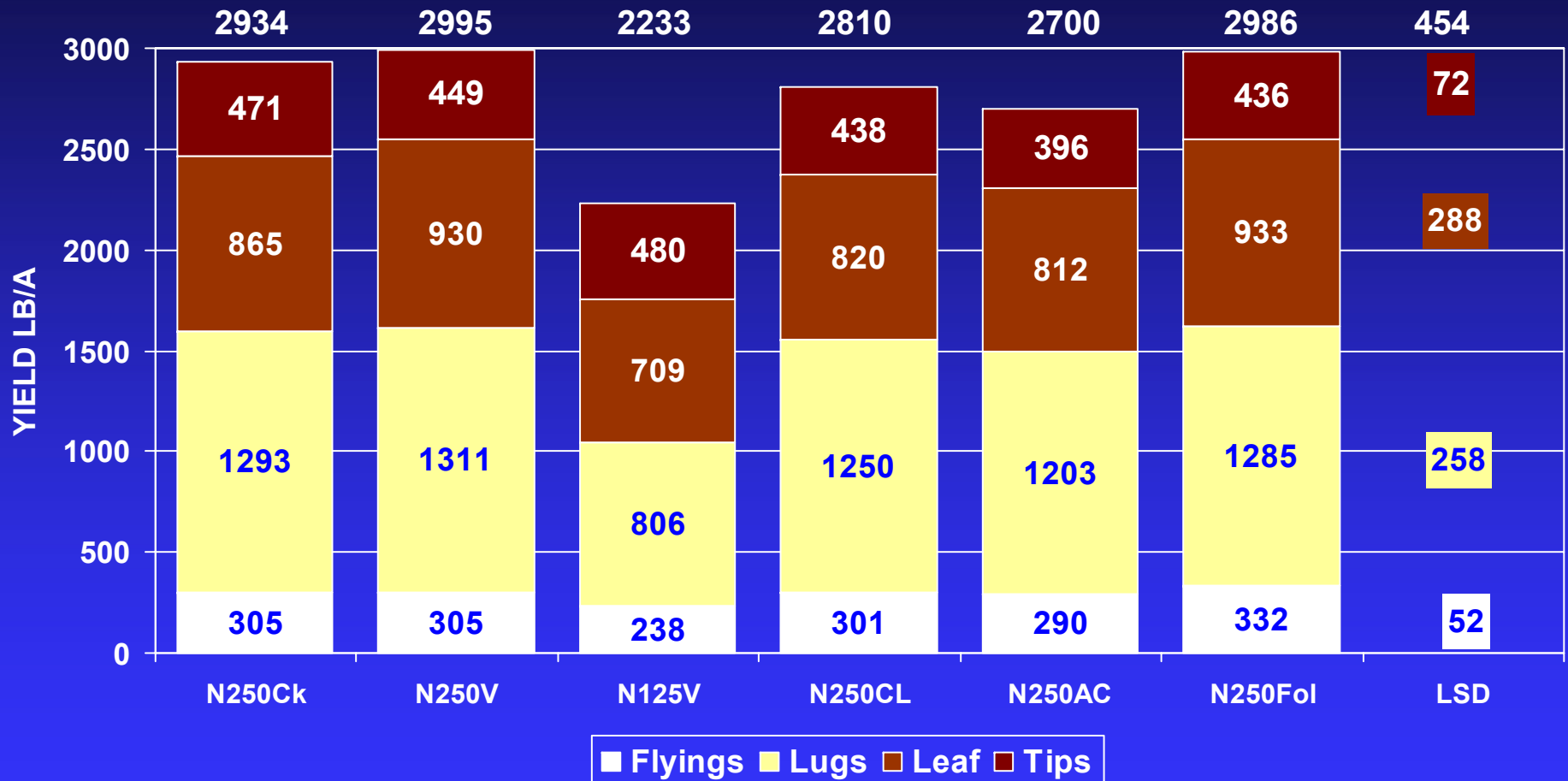
Wayne Co - Williams Farm



N=Nitrogen rate soil applied, Ck = Check, V=Vitazime at 13 fl oz, CL=Crop Life at 62 ml/a, AC = All Crop at 162 ml/a & FOL=Foliar 20-20-20 at 10 lbs all applied 7, 14, 21 day intervals after transplanting.

Influence of Growth Promoting Chemicals on Burley Yield

Wayne Co - Williams Farm



N=Nitrogen rate soil applied, Ck = Check, V=Vitazime at 13 fl oz, CL=Crop Life at 62 ml/a, AC = All Crop at 162 ml/a & Fol=Foliar 20-20-20 at 10 lbs all applied 7, 14, 21 day intervals after transplanting.