

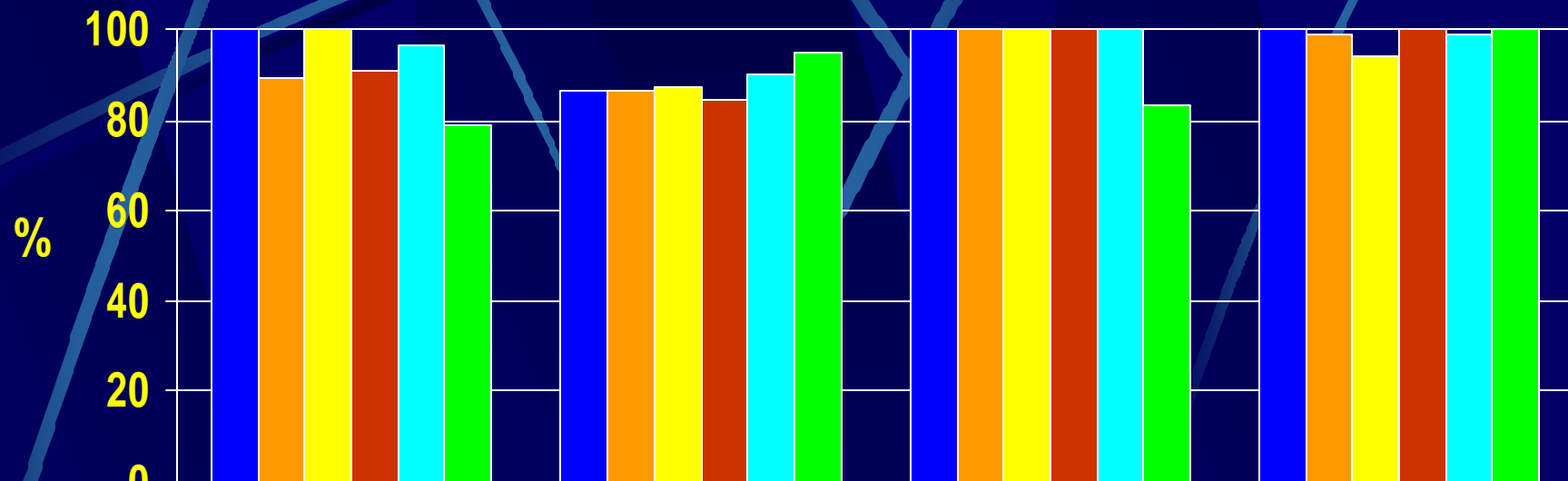
Herbicides

All herbicide treatments outperformed the check except for hard to control weeds. In Boyle Co. Spartan alone and in combination with Prowl were incorporated to evaluate potential damage from Spartan. While the Spartan + Prowl plots were judged to be less vigorous at topping, this was not reflected in the final yield with this treatment out yielding the others.

In Pulaski Co. chemical treated plots that were cultivated also out yielded non-cultivated plots. This is usually not the case as is evident from no-till trials.

Weed Control Evaluation - June 26

Bath Co. – Danny Shields Farm



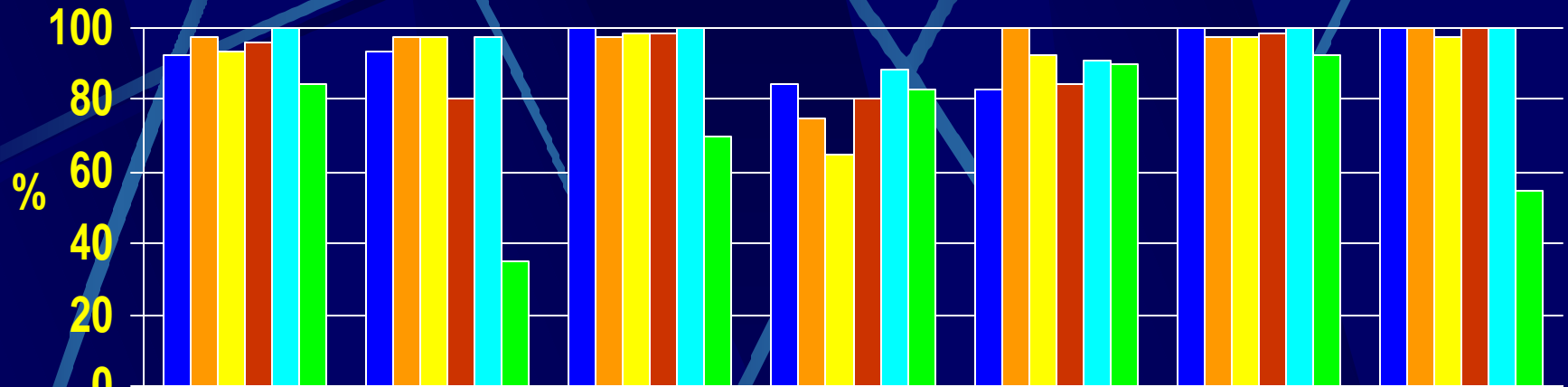
	Crabgrass	Honeyvine Milkweed	Pigweed	Yellow Nutsedge
■ Prowl	100	86.25	100	100
■ Prowl+Spart	89.5	86.5	100	98.75
■ Com+Spart	100	87.5	100	93.75
■ Spartan	90.75	84.5	100	100
■ Spart/Com*	96.25	90	100	98.75
■ Weedy	78.75	95	83.25	100

HSD 0.05 = 29.70 28.15 21.02 4.96

* Command applied at 4 weeks after transplanting

Weed Control Evaluation - July 10

Bath Co. – Danny Shields Farm



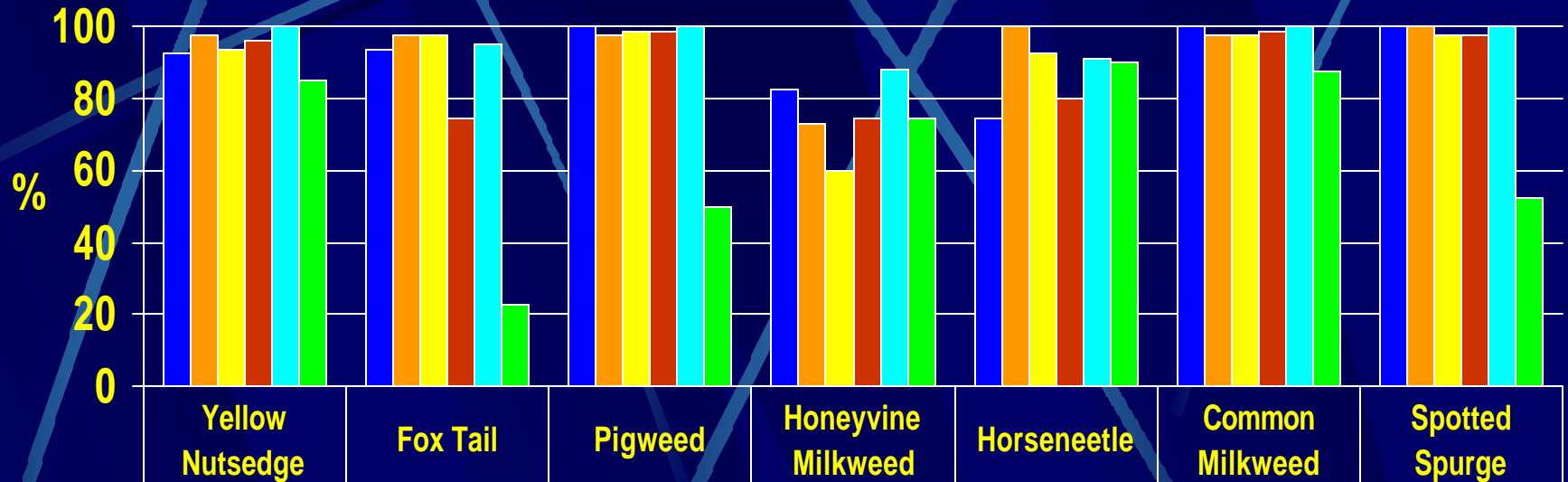
	Yellow Nutsedge	Fox Tail	Pigweed	Honeyvine Milkweed	Horseneettle	Common Milkweed	Spotted Spurge
■ Prowl	92.5	93.75	100	85	82.5	100	100
■ Prowl+Spar	97.5	97.5	97.5	75	100	97.5	100
■ Com+Spart	93.75	97.5	98.75	65	92.5	97.5	97.5
■ Spartan	96.25	80	98.75	80	85	98.75	100
■ Spart/Com*	100	97.5	100	88.25	91.25	100	100
■ Weedy	85	35	70	82.5	90	92.5	55

HSD 0.05 = 18.4 28.18 38.46 33.9 24.27 10.54 6.74

* Command applied at 4 weeks after transplanting

Weed Control Evaluation - August 13

Bath Co. – Danny Shields Farm



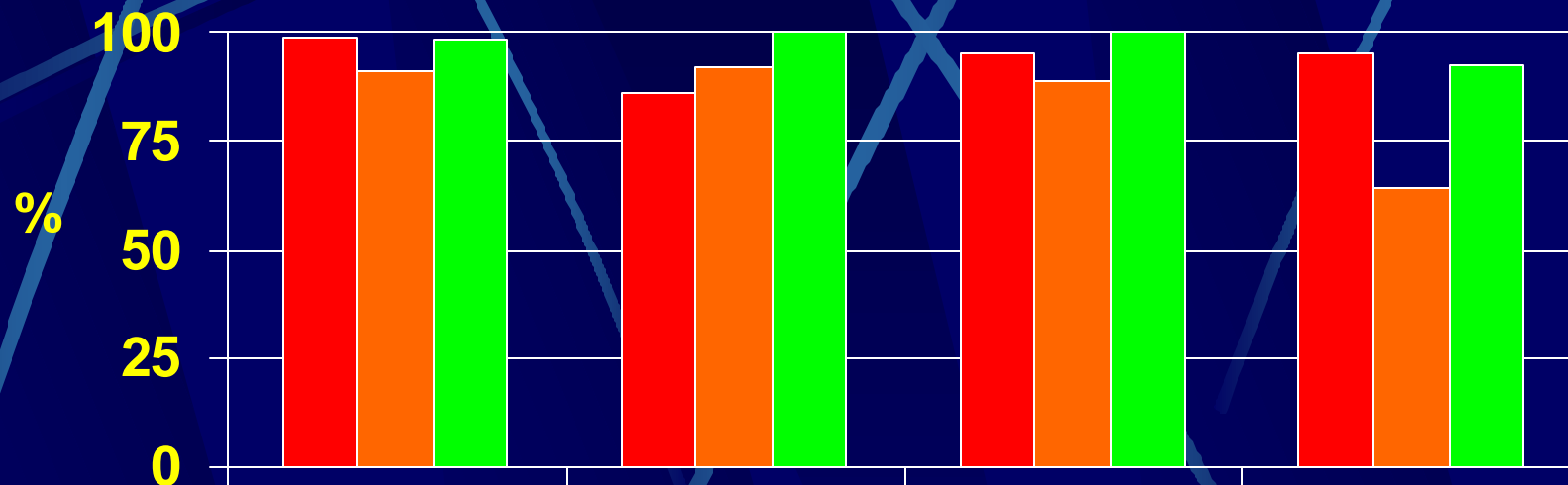
■ Prowl	92.5	93.75	100	82.5	75	100	100
■ Prowl+Spar	97.5	97.5	97.5	72.5	100	97.5	100
■ Com+Spart	93.75	97.5	98.75	60	92.5	97.5	97.5
■ Spartan	96.25	75	98.75	75	80	98.75	97.5
■ Spart/Com*	100	95	100	88.25	91.25	100	100
■ Weedy	85	22.5	50	75	90	87.5	52.5

HSD 0.05 = 18.4 26.32 27.32 37.95 32.39 14.42 11.55

* Command applied at 4 weeks after transplanting

Effects of Herbicides on Plant Vigor and Weed Control

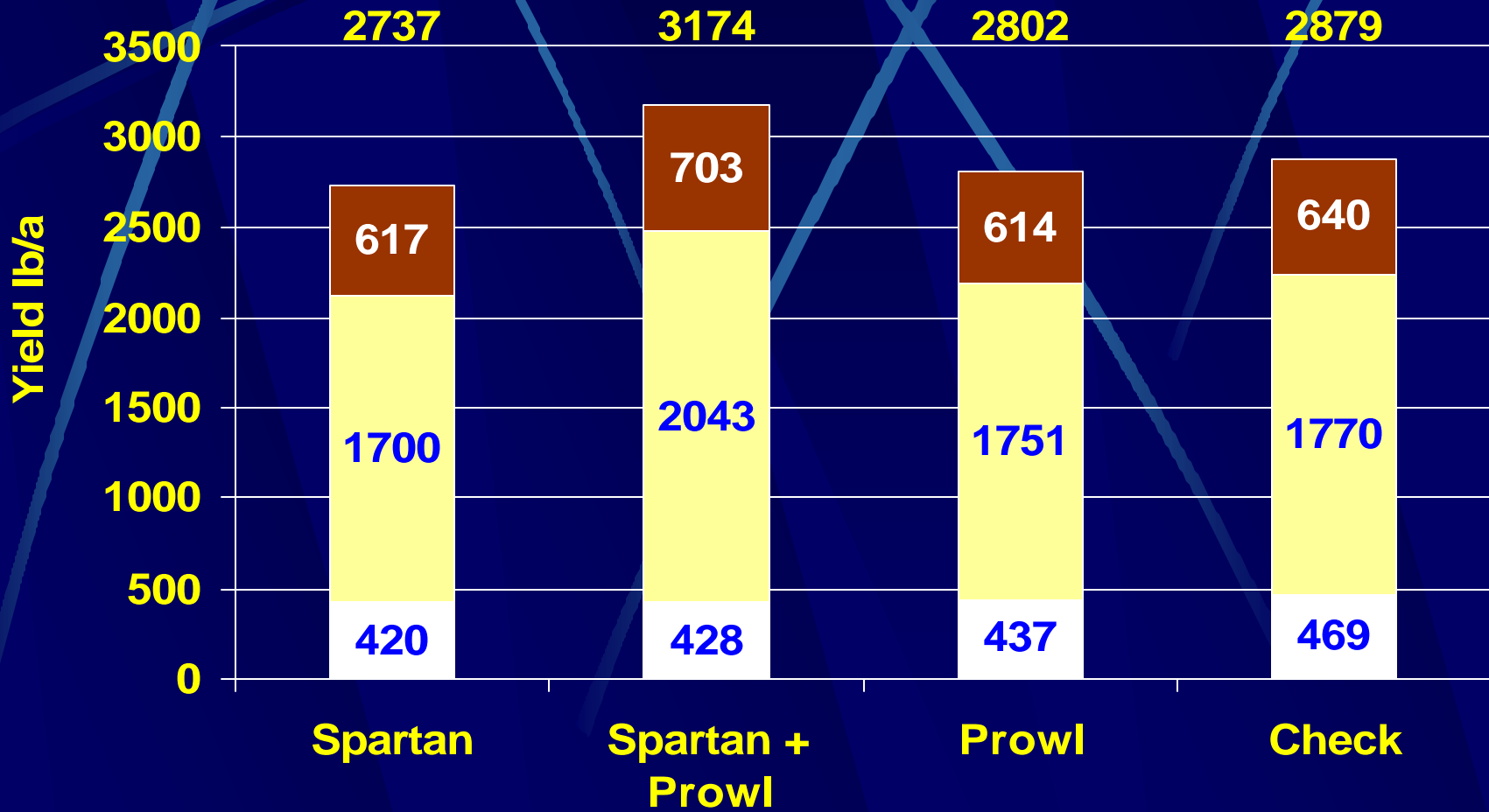
Boyle Co. – Billy Goggin Farm



	Spartan	Spartan+ Prowl	Prowl	Check
■ Vigor	99	86	95	95
■ Broadleaf	91	92	89	64
■ Grasses	98	100	100	93

HSD 0.05 = 11 20 7

Effects of Incorporating Herbicides on Yield Boyle Co. – Billy Goggin Farm



HSD 0.05 = 192 622 214 809

Effects of Cultivation and/or Herbicide use on Burley Yield

Pulaski Co. – Patrick Patterson Farm



Cultivation/Herbicides

HSD 0.05 = 113 321 273 452