

Evaluation of Experimental Herbicide A in Dark Tobacco 2008 – MSU, Murray, KY

- Plots sprayed PRE to soil surface prior to tobacco transplanting.
 - Sprayed June 9, broadcast spray at 15 gal/A
- PD 7302LC dark tobacco transplanted June 10
 - 4900 plants/A (40" row spacing, 32" plant spacing)
- Randomized complete block design with 4 replications
 - Plots 4 rows, 40 ft. long
- Data collected:
 - Crop injury at 5 and 7.5 weeks after transplanting, and preharvest
 - Fire-cured yield and quality

Evaluation of Experimental Herbicide A in Dark Tobacco

2008 – MSU, Murray, KY - Treatments

Treatment	Rate/Acre
Untreated Control	0
Exp Herb A	1 oz/A
Exp Herb A	2 oz/A
Exp Herb A	3 oz/A

Evaluation of Experimental Herbicide A in Dark Tobacco

2008 – MSU, Murray, KY – Plot Rating at 5 wks

Treatment	Rate/Acre	% Injury (0-100)	% Stand
Untreated	0	0	97.0
Exp Herb A	1 oz/A	0	94.2
Exp Herb A	2 oz/A	7.5	92.4
Exp Herb A	3 oz/A	20	72.9
LSD _{0.05}		6.9	11.8

Evaluation of Experimental Herbicide A in Dark Tobacco

2008 – MSU, Murray, KY – Plot Rating at 7.5 wks

Treatment	Rate/Acre	% Injury	% Stunting	% Stand Reduction
Untreated	0	0	0	0
Exp Herb A	1 oz/A	2.5	1	1.5
Exp Herb A	2 oz/A	8.0	4	4
Exp Herb A	3 oz/A	19	8	11
LSD _{0.05}		7.2	4.6	3.6

Evaluation of Experimental Herbicide A in Dark Tobacco

2008 – MSU, Murray, KY – Preharvest Plot Rating

Treatment	Rate/Acre	% Injury (0-100)	% Stand
Untreated	0	0	97.0
Exp Herb A	1 oz/A	2	91.8
Exp Herb A	2 oz/A	5	88.4
Exp Herb A	3 oz/A	15	70.7
LSD _{0.05}		6	10.8

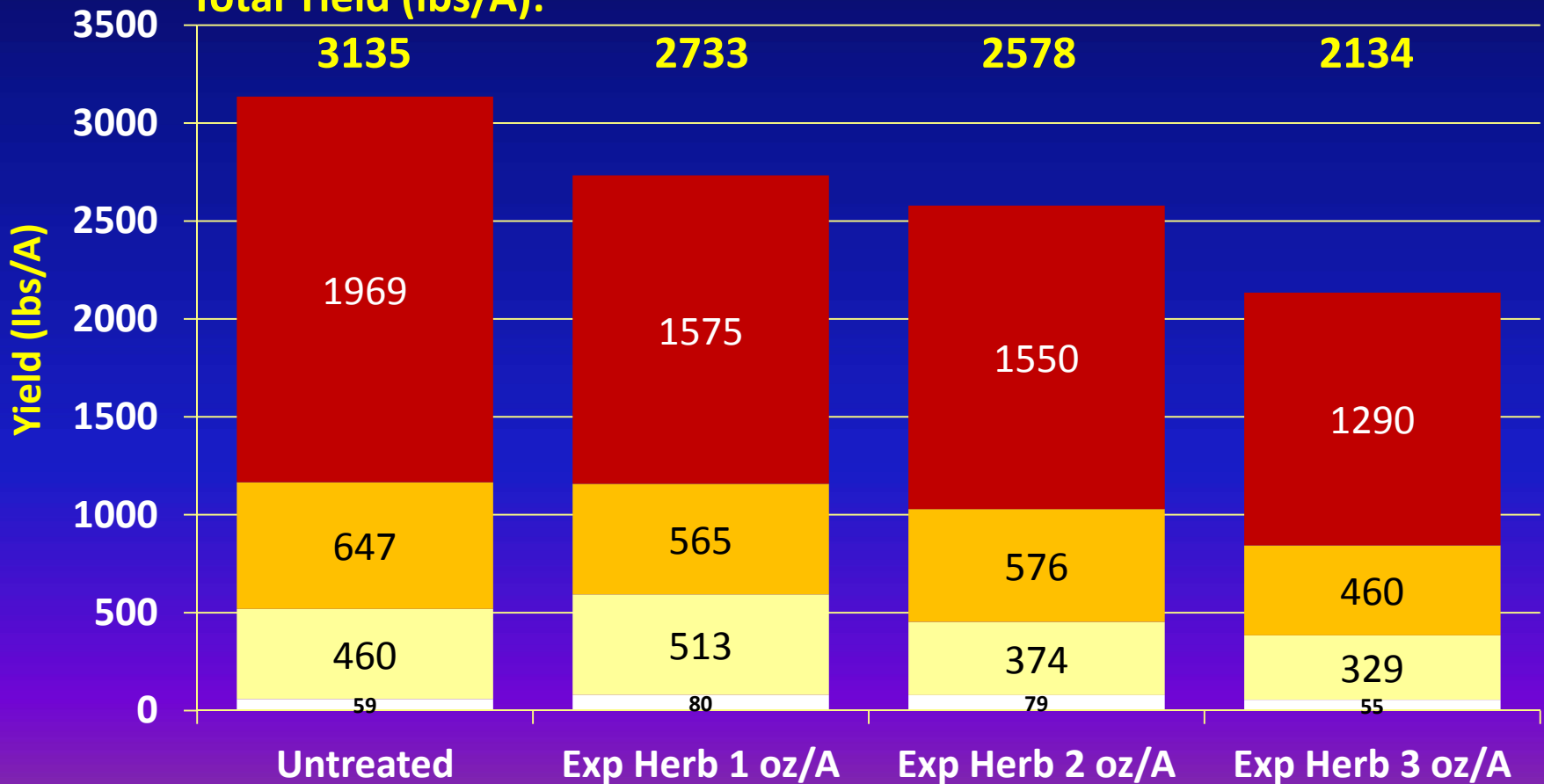
Evaluation of Experimental Herbicide A in Dark Tobacco

2008 – MSU, Murray, KY – Dark-Fired Tobacco Yield

LSD_{0.05} = 29 234 146 499 681 (total)

■ Trash ■ Lug ■ Second ■ Leaf

Total Yield (lbs/A):



Evaluation of Experimental Herbicide A in Dark Tobacco

2008 – MSU, Murray, KY – Quality Grade Index

LSD_{0.05} = 29.7
■ Grade Index

