

2010 Dark Tobacco Sucker Control Trial

Sponsored by Chemtura Corp. – UKREC, Princeton, KY

- PD 7318LC set May 21
 - 4900 plants/A
 - 40” row spacing, 32” plant spacing
- Randomized complete block design with 4 replications
 - Plots 4 rows, 40 ft. long
- 1st topping July 27
 - Off Shoot T on all plots by dropline
- 2nd topping August 3
 - Off Shoot T by dropline to all treatments except treatment 9
- Treatment applications sprayed on August 8
 - Straight boom sprayer
 - All TG-5’s, 20” nozzle spacing
 - 55 gal/A
- Data collected August 27:
 - % sucker control
 - % plants with suckers
 - # axillary stalk suckers/10 plants
 - # ground suckers/10 plants
 - Fire-cured yield and quality
- Tobacco harvested September 22, fire-cured

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Trt #	Treatment	Timing	Rate (gal/A)
1	OST fb OST fb OST + Butralin	1 st top – 2 nd top – 7 d	2 - 2.5 - 2.5+0.5
2	OST fb OST fb OST + Butralin	1 st top – 2 nd top – 7 d	2 – 2.5 – 2.5+0.75
3	OST fb OST fb OST + Flupro	1 st top – 2 nd top – 7 d	2 – 2.5 – 2.5+0.5
4	OST fb OST fb MH-30	1 st top – 2 nd top – 7 d	2 – 2.5 – 1.5
5	OST fb OST fb MH-30 + Butralin	1 st top – 2 nd top – 7 d	2 – 2.5 – 1.25+0.5
6	OST fb OST fb MH-30	1 st top – 2 nd top – 7 d	2 – 2.5 – 1.25
7	OST fb OST + Butralin (dropline)	1 st top – 7 d	2 – 2+1
8	OST fb MH-30 + Butralin	1 st top – 7 d	2 – 1+0.75
9	OST	1 st top	2

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Trt #	Treatment	% Control	% Plants w/ suckers	# Stalk Suckers	# Ground Suckers
1	OST fb OST fb OST + Butralin	42 de	78 abc	12 abc	7 ab
2	OST fb OST fb OST + Butralin	52 cd	90 a	11 abc	9 a
3	OST fb OST fb OST + Flupro	28 e	80 ab	15 a	7 ab
4	OST fb OST fb MH-30	90 a	45 c	4 bc	4 b
5	OST fb OST fb MH-30 + Butralin	88 a	68 abc	6 abc	5 ab
6	OST fb OST fb MH-30	87 ab	50 bc	6 abc	3 b
7	OST fb OST + Butralin (dropline)	65 bc	70 abc	3 c	8 a
8	OST fb MH-30 + Butralin	70 abc	60 abc	7 abc	5 ab
9	OST	39 de	88 a	14 ab	7 ab
	LSD _{0.05}	22	33	10	4

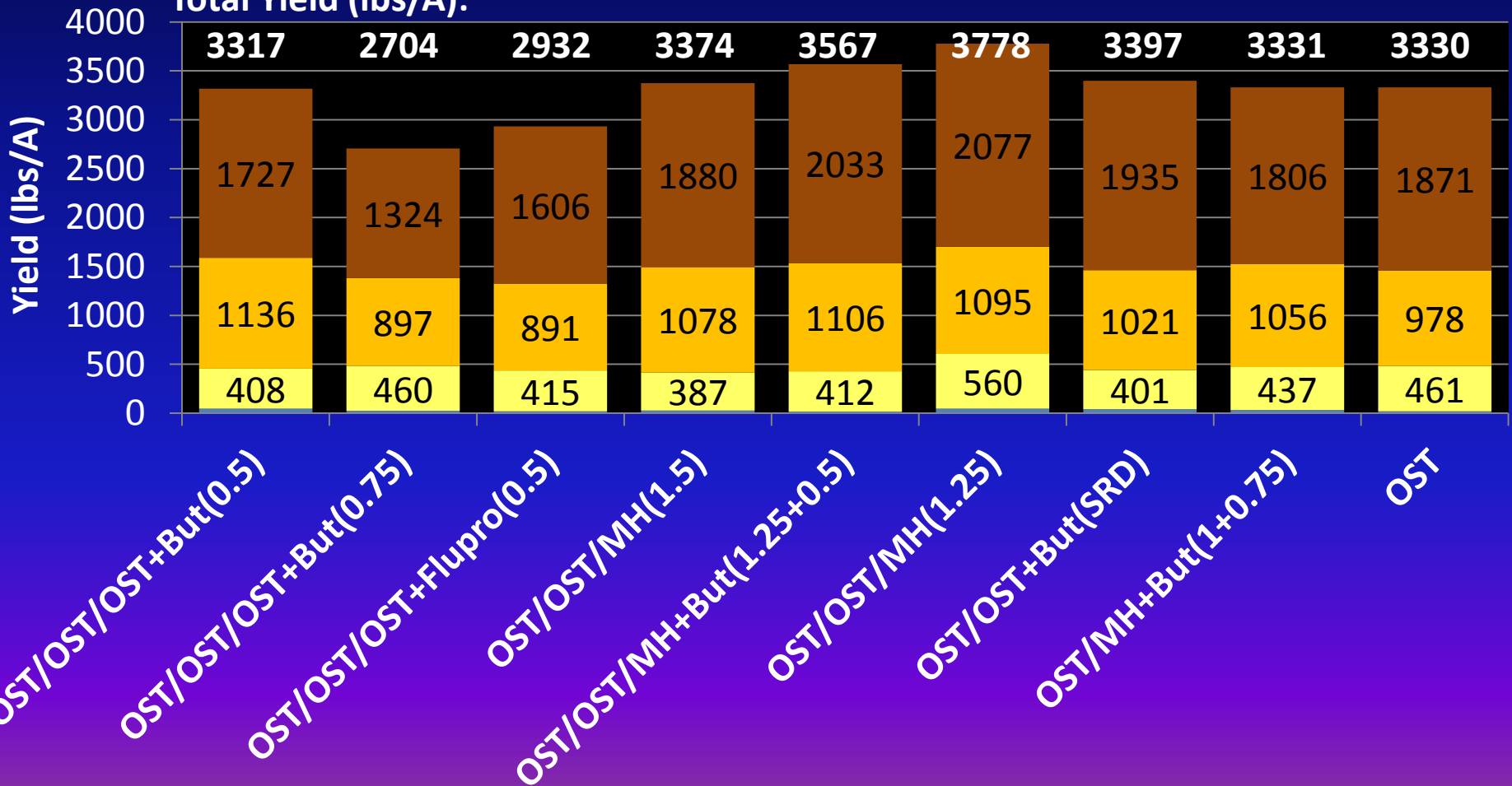
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LSD_{0.05} = 34 169 264 531 773 (total)

■ Trash ■ Lug ■ Second ■ Leaf

Total Yield (lbs/A):



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