

**2010 Chemtura
Dark Tobacco Sucker Control Trial
HRREC – Springfield, TN**

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Trial Specifications

- NL Madole set May 14
 - 4614 plants/acre (42” rows, 32.37” plant spacing)
- 4-row plots, 40 ft. long
- RCBD with 4 replications
- Topped July 19-July 26
- Applications made with Hi-Boy sprayer, 2 rows/pass
 - TG-5 nozzles
 - Applications made July 19, July 26, August 4, August 10
 - Spray volumes for each application: 50, 57, 57, and 72 gal/A
- Preharvest data collected August 24
- Harvested August 31, fire-cured

Treatments*

Trt	Treatment	Rate (gal/A)
1	OST fb OST fb OST+Butralin	2 fb 2.5 fb 2.5+0.5
2	OST fb OST fb OST+Butralin	2 fb 2.5 fb 2.5+0.75
3	OST fb OST fb OST+Flupro	2 fb 2.5 fb 2.5+0.5
4	OST fb OST+Flupro fb OST+Butralin	2 fb 2+0.5 fb 2+0.5
5	OST fb OST fb MH+Butralin	2 fb 2 fb 1.25+0.5
6	OST fb OST fb MH	2 fb 2 fb 1.25
7	OST fb MH+Butralin	2 fb 1+0.75
8	OST fb OST+Butralin (SRD)	2 fb 2.5+1
9	OST fb OST fb OST fb OST	2 fb 2 fb 2 fb 2
10	OST fb OST	2 fb 2

*Abbreviations: OST = Off Shoot-T, MH = Royal MH-30 (1.5 lb ai/gal), fb = followed by. SRD = stalk rundown with dropline (OST+Butralin in trt 8), all other applications sprayed.

Sucker Control and Biomass Data

Collected 7 days prior to harvest, Sucker counts from 10 plants per plot

Trt	Treatment	Rate (gal/A)	% Sucker Control (0-100%)	No. Ground Suckers per 10 plants	No. Stalk Suckers per 10 plants
1	OST fb OST fb OST+Butralin	2 fb 2.5 fb 2.5+0.5	60 bc	28.5 a	15.8 bc
2	OST fb OST fb OST+Butralin	2 fb 2.5 fb 2.5+0.75	66 b	22.3 ab	13.5 bc
3	OST fb OST fb OST+Flupro	2 fb 2.5 fb 2.5+0.5	78 ab	24.0 ab	12.8 bc
4	OST fb OST+Flupro fb OST+Butralin	2 fb 2+0.5 fb 2+0.5	78 ab	9.8 cd	7.3 cd
5	OST fb OST fb MH+Butralin	2 fb 2 fb 1.25+0.5	71 b	22.0 ab	6.8 cd
6	OST fb OST fb MH	2 fb 2 fb 1.25	78 ab	18.5 abc	6.0 cd
7	OST fb MH+Butralin	2 fb 1+0.75	61 bc	18.8 abc	27.5 a
8	OST fb OST+Butralin (SRD)	2 fb 2.5+1	94 a	2.3 d	1.8 d
9	OST fb OST fb OST fb OST	2 fb 2 fb 2 fb 2	60 bc	16.3 bc	19.5 ab
10	OST fb OST	2 fb 2	45 c	24.8 ab	23.0 ab
		LSD (0.10) =	20	11.6	10.7

**Abbreviations: OST = Off Shoot-T, MH = Royal MH-30 (1.5 lb ai/gal), fb = followed by. SRD = stalk rundown with dropline (OST+Butralin in trt 8), all other applications sprayed.*

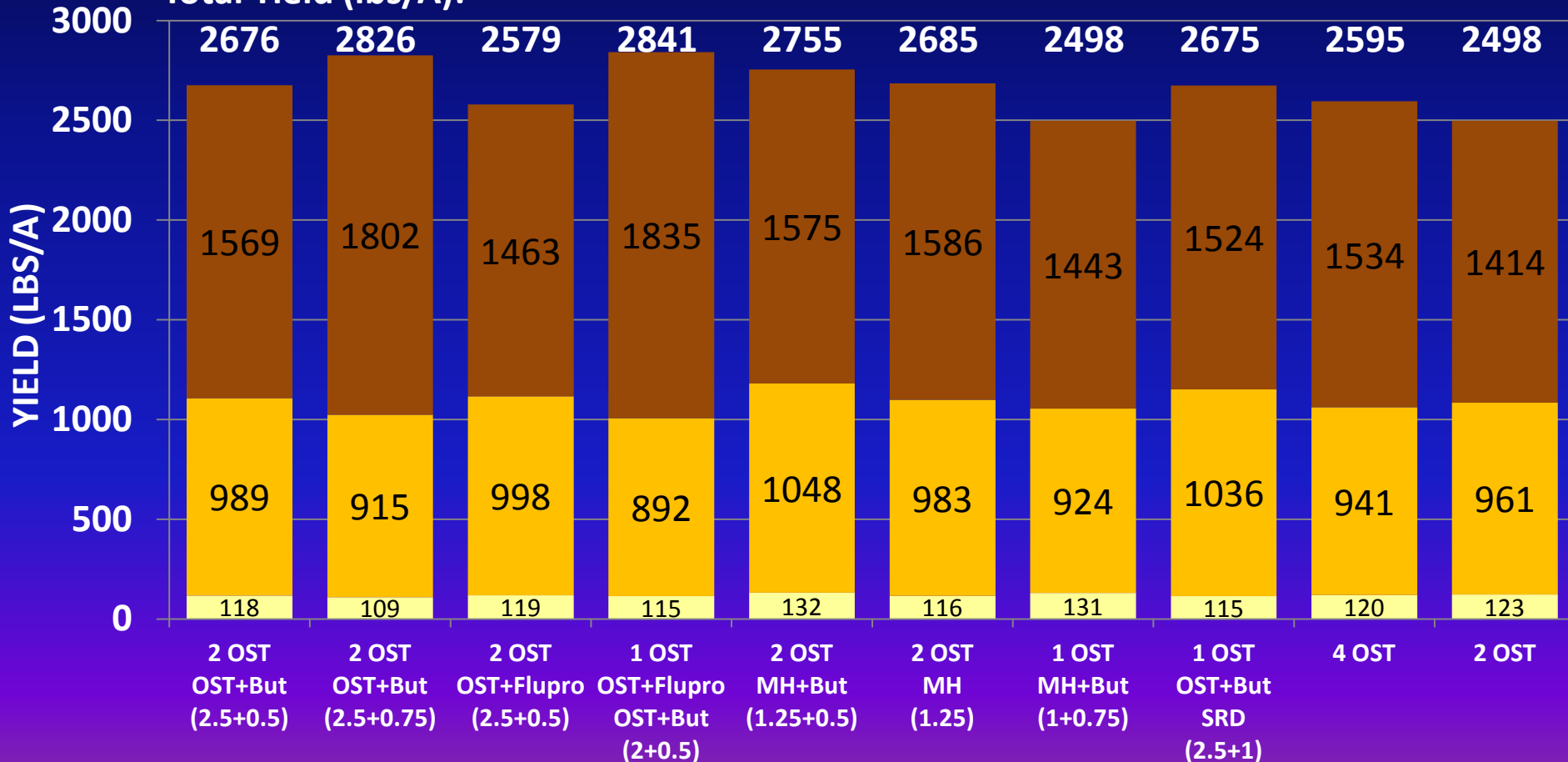
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HRREC – Springfield, TN – Dark-Fired Yields

LSD(0.10) = 26 228 252 298 (total)

■ Lug ■ Second ■ Leaf

Total Yield (lbs/A):



TREATMENT (RATE IN GAL/A FOR LAST APPLICATION)

*SRD = stalk rundown with dropline.

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HRREC – Springfield, TN – Dark-Fired Quality Grade Index

LSD(0.10) = 9.6
 ■ Quality Grade Index

