

# 2014 Chemtura Burley Sucker Control Trial

## MSU West Farm – Murray KY

- NC 7 burley tobacco set June 19
  - 40" x 32" = 4900 plants/A
- Topped August 27
- Pre-Top treatments Aug 20
- At Top treatments Aug 27
- 7-day treatments Sept 4
  - 60 gal/A in all applications
- Data collected Sept 22
- Harvested Sept 23

Trt	Treatment	Rate (gal/A)	Timing	Method
1	RTM fb	2	Pretop	3-nozzle
	RTM+Butralin	2 + 1	At top	Hood
2	RTM fb	2	Pretop	3-nozzle
	RTM+Butralin	2+0.75	At top	Hood
3	RTM fb	2	Pretop	3-nozzle
	RTM+Butralin	2+0.5	At top	Hood
	RTM+Butralin	2+0.5	7 days	Hood
4	RTM fb	2	Pretop	3-nozzle
	MH30+Butralin	1+0.5	At top	3-nozzle
5	RTM fb	2	Pretop	3-nozzle
	MH30+Flupro	1+0.5	At top	3-nozzle
6	RTM fb	2	Pretop	3-nozzle
	MH30+Butralin	1+0.75	At top	3-nozzle
7	RTM fb	2	Pretop	3-nozzle
	MH30+Butralin	1.5+.5	At top	3-nozzle
8	MH30+Butralin	1.5+.5	At top	3-nozzle
9	RTM (check)	2	Pretop	3-nozzle

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## MSU West Farm – Murray KY – Sucker Control

Trt	Treatment	Rate (gal/A)	Timing	Method	% Sucker Control	Sucker Wt. (lbs/10 plants)
1	RTM fb RTM+Butralin	2 2 + 1	Pretop At top	3-nozzle Hood	81 b	5.6 bc
2	RTM fb RTM+Butralin	2 2+0.75	Pretop At top	3-nozzle Hood	58 d	8.2 ab
3	RTM fb RTM+Butralin RTM+Butralin	2 2+0.5 2+0.5	Pretop At top 7 days	3-nozzle Hood Hood	69 c	4.5 bc
4	RTM fb MH30+Butralin	2 1+0.5	Pretop At top	3-nozzle 3-nozzle	94 a	0.0 c
5	RTM fb MH30+Flupro	2 1+0.5	Pretop At top	3-nozzle 3-nozzle	95 a	0.0 c
6	RTM fb MH30+Butralin	2 1+0.75	Pretop At top	3-nozzle 3-nozzle	97 a	0.0 c
7	RTM fb MH30+Butralin	2 1.5+.5	Pretop At top	3-nozzle 3-nozzle	98 a	0.0 c
8	MH30+Butralin	1.5+.5	At top	3-nozzle	98 a	0.0 c
9	RTM (check)	2	Pretop	3-nozzle	9 e	11.0 a

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## MSU West Farm – Murray KY – Yield

Trt	Treatment	Rate (gal/A)	Timing	Method	Flyings (lbs/A)	Cutters (lbs/A)	Leaf (lbs/A)	Tips (lbs/A)	Total (lbs/A)
1	RTM fb RTM+Butralin	2 2 + 1	Pretop At top	3-nozzle Hood	226 a	505 a	1435 a	271 a	2436 a
2	RTM fb RTM+Butralin	2 2+0.75	Pretop At top	3-nozzle Hood	202 a	419 a	1232 ab	159 b	2011 ab
3	RTM fb RTM+Butralin RTM+Butralin	2 2+0.5 2+0.5	Pretop At top 7 days	3-nozzle Hood Hood	187 a	418 a	1374 a	181 ab	2160 ab
4	RTM fb MH30+Butralin	2 1+0.5	Pretop At top	3-nozzle 3-nozzle	190 a	461 a	1493 a	196 ab	2340 a
5	RTM fb MH30+Flupro	2 1+0.5	Pretop At top	3-nozzle 3-nozzle	210 a	452 a	1297 a	171 b	2131 ab
6	RTM fb MH30+Butralin	2 1+0.75	Pretop At top	3-nozzle 3-nozzle	235 a	484 a	1379 a	202 ab	2301 a
7	RTM fb MH30+Butralin	2 1.5+.5	Pretop At top	3-nozzle 3-nozzle	211 a	439 a	1175 ab	203 ab	2028 ab
8	MH30+Butralin	1.5+.5	At top	3-nozzle	195 a	505 a	1326 a	156 b	2181 ab
9	RTM (check)	2	Pretop	3-nozzle	230 a	412 a	1000 b	156 b	1798 b

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## MSU West Farm – Murray KY – Quality Grade Index

Trt	Treatment	Rate (gal/A)	Timing	Method	Quality Grade Index (1-100)
1	RTM fb RTM+Butralin	2 2 + 1	Pretop At top	3-nozzle Hood	76.6 a
2	RTM fb RTM+Butralin	2 2+0.75	Pretop At top	3-nozzle Hood	76.5 a
3	RTM fb RTM+Butralin RTM+Butralin	2 2+0.5 2+0.5	Pretop At top 7 days	3-nozzle Hood Hood	76.8 a
4	RTM fb MH30+Butralin	2 1+0.5	Pretop At top	3-nozzle 3-nozzle	77.6 a
5	RTM fb MH30+Flupro	2 1+0.5	Pretop At top	3-nozzle 3-nozzle	76.7 a
6	RTM fb MH30+Butralin	2 1+0.75	Pretop At top	3-nozzle 3-nozzle	76.7 a
7	RTM fb MH30+Butralin	2 1.5+.5	Pretop At top	3-nozzle 3-nozzle	75.7 a
8	MH30+Butralin	1.5+.5	At top	3-nozzle	77.2 a
9	RTM (check)	2	Pretop	3-nozzle	76.8 a