

2015 Chemtura Dark Sucker Control Trial

MSU West Farm – Murray KY

- KT D14 dark set June 19
 - 40" x 32" = 4900 plants/acre
- All treatments applied with 3 nozzle system
- At Top applied on August 20
- 7 day applied August 27
- 14 day applied September 3
- Data collected September 30
- Harvested October 14
 - Fire-cured

Trt	Treatment	Rate (gal/A)	Timing
1	RTM fb RTM fb RTM+Butralin	2 fb 2.5 fb 2.5+.75	At top fb 7 d fb 14 d
2	OST fb OST fb OST+Butralin	2 fb 2.5 fb 2.5+0.75	At top fb 7 d fb 14 d
3	RTM fb RTM + Butralin	2 fb 2.5 fb +.75	At top fb 7 d fb 14 d
4	RTM fb RTM + Butralin fb MH30	2 fb 2.5+.75 fb 1.25	At top fb 7 d fb 14 d
5	RTM fb RTM + Butralin fb MH30	1.5 fb 2+.75 fb1.5	At top fb 7 d fb 14 d
6	RTM fb RTM fb RTM	2.75 fb 2.75 fb 2.75	At top fb 7 d fb 14 d
7	RTM (check)	2	At top

Abbreviations: RTM = Royal Tac M; MH30 = Royal MH-30

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MSU West Farm – Murray KY – Sucker Control

Trt	Treatment	Rate (gal/A)	Timing	% Sucker Control	Sucker Weight (lbs/10 plants)
1	RTM fb RTM fb RTM+Butralin	2 fb 2.5 fb 2.5+.75	At top fb 7 d fb 14 d	82.5 b	3.80 c
2	OST fb OST fb OST+Butralin	2 fb 2.5 fb 2.5+0.75	At top fb 7 d fb 14 d	63.3 c	5.70 b
3	RTM fb RTM + Butralin	2 fb 2.5 fb +0.75	At top fb 7 d fb 14 d	87.5 ab	4.55 bc
4	RTM fb RTM + Butralin fb MH30	2 fb 2.5+.75 fb 1.25	At top fb 7 d fb 14 d	91.5 a	2.13 d
5	RTM fb RTM + Butralin fb MH30	1.5 fb 2+0.75 fb1.5	At top fb 7 d fb 14 d	92.8 a	3.18 cd
6	RTM fb RTM fb RTM	2.75 fb 2.75 fb 2.75	At top fb 7 d fb 14 d	90.5 a	2.95 cd
7	RTM (check)	2	At top	28 d	8.03 a

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MSU West Farm – Murray KY – Yield

Trt	Treatment	Rate (gal/A)	Timing	Lug (lbs/A)	Second (lbs/A)	Leaf (lbs/A)	Total (lbs/A)
1	RTM fb RTM fb RTM+Butralin	2 fb 2.5 fb 2.5+.75	At top fb 7 d fb 14 d	277 a	703 a	2069 ab	3049 ab
2	OST fb OST fb OST+Butralin	2 fb 2.5 fb 2.5+0.75	At top fb 7 d fb 14 d	290 a	657 a	1856 cd	2803 b
3	RTM fb RTM + Butralin	2 fb 2.5 fb +0.75	At top fb 7 d fb 14 d	284 a	617 a	2240 a	3140 a
4	RTM fb RTM + Butralin fb MH30	2 fb 2.5+.75 fb 1.25	At top fb 7 d fb 14 d	239 a	615 a	2180 ab	3034 ab
5	RTM fb RTM + Butralin fb MH30	1.5 fb 2+0.75 fb1.5	At top fb 7 d fb 14 d	261 a	611 a	2021 bc	2893 ab
6	RTM fb RTM fb RTM	2.75 fb 2.75 fb 2.75	At top fb 7 d fb 14 d	286 a	761 a	2109 ab	3157 a
7	RTM (check)	2	At top	190 a	588 a	1736 d	2514 c

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MSU West Farm – Murray KY – Yield

Trt	Treatment	Rate (gal/A)	Timing	Quality Grade Index (0-100)
1	RTM fb RTM fb RTM+Butralin	2 fb 2.5 fb 2.5+.75	At top fb 7 d fb 14 d	24.4 a
2	OST fb OST fb OST+Butralin	2 fb 2.5 fb 2.5+0.75	At top fb 7 d fb 14 d	36.8 a
3	RTM fb RTM + Butralin	2 fb 2.5 fb +0.75	At top fb 7 d fb 14 d	30.3 a
4	RTM fb RTM + Butralin fb MH30	2 fb 2.5+.75 fb 1.25	At top fb 7 d fb 14 d	24.4 a
5	RTM fb RTM + Butralin fb MH30	1.5 fb 2+0.75 fb1.5	At top fb 7 d fb 14 d	33.5 a
6	RTM fb RTM fb RTM	2.75 fb 2.75 fb 2.75	At top fb 7 d fb 14 d	29.1 a
7	RTM (check)	2	At top	23.5 a