

# 2014 Chemtura Dark Sucker Control Trial

## MSU West Farm – Murray KY

- PD7309LC dark set June 19
  - 40" x 32" = 4900 plants/acre
- All treatments applied with conveyor hoods at 60 gal/A.
- At Top applied on August 19
- 7 day applied August 27
- 14 day applied September 4
- Data collected September 22
- Harvested September 28
  - Fire-cured

Trt	Treatment	Rate (gal/A)	Timing
1	RTM fb RTM fb RTM+Butralin	2 fb 2 fb 2+1	At top fb 7 d fb 14 d
2	RTM fb RTM fb RTM+Butralin	2 fb 2 fb 2+0.75	At top fb 7 d fb 14 d
3	RTM fb RTM+Flupro fb RTM+Butralin	2 fb 2+0.5 fb 2+0.75	At top fb 7 d fb 14 d
4	RTM fb Butralin fb MH30	2 fb 1 fb 1.25	At top fb 7 d fb 14 d
5	RTM fb But fb MH30+Butralin	2 fb 0.75 fb 1.5+0.5	At top fb 7 d fb 14 d
6	RTM fb RTM+But fb MH30	2 fb 2+0.75 fb 1	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 fb 2+1	At top fb 7 d fb 14 d	90 a	5.7 b
2	RTM fb RTM fb RTM+Butralin	2 fb 2 fb 2+0.75	At top fb 7 d fb 14 d	94 a	7.0 b
3	RTM fb RTM+Flupro fb RTM+Butralin	2 fb 2+0.5 fb 2+0.75	At top fb 7 d fb 14 d	89 a	7.8 b
4	RTM fb Butralin fb MH30	2 fb 1 fb 1.25	At top fb 7 d fb 14 d	89 a	9.1 b
5	RTM fb But fb MH30+Butralin	2 fb 0.75 fb 1.5+0.5	At top fb 7 d fb 14 d	94 a	2.3 b
6	RTM fb RTM+But fb MH30	2 fb 2+0.75 fb 1	At top fb 7 d fb 14 d	92 a	4.4 b
7	RTM (check)	2	At top	48 b	15.5 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 fb 2+1	At top fb 7 d fb 14 d	193 b	638 a	2222 a	<b>3053 a</b>
2	RTM fb RTM fb RTM+Butralin	2 fb 2 fb 2+0.75	At top fb 7 d fb 14 d	263 ab	661 a	2338 a	<b>3262 a</b>
3	RTM fb RTM+Flupro fb RTM+Butralin	2 fb 2+0.5 fb 2+0.75	At top fb 7 d fb 14 d	248 ab	635 a	2414 a	<b>3297 a</b>
4	RTM fb Butralin fb MH30	2 fb 1 fb 1.25	At top fb 7 d fb 14 d	238 ab	709 a	2334 a	<b>3281 a</b>
5	RTM fb But fb MH30+Butralin	2 fb 0.75 fb 1.5+0.5	At top fb 7 d fb 14 d	302 a	729 a	2435 a	<b>3465 a</b>
6	RTM fb RTM+But fb MH30	2 fb 2+0.75 fb 1	At top fb 7 d fb 14 d	266 ab	598 a	2192 a	<b>3056 a</b>
7	RTM (check)	2	At top	174 b	563 a	2129 a	<b>2867 a</b>

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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 fb 2+1	At top fb 7 d fb 14 d	72.6 a
2	RTM fb RTM fb RTM+Butralin	2 fb 2 fb 2+0.75	At top fb 7 d fb 14 d	74.9 a
3	RTM fb RTM+Flupro fb RTM+Butralin	2 fb 2+0.5 fb 2+0.75	At top fb 7 d fb 14 d	75.2 a
4	RTM fb Butralin fb MH30	2 fb 1 fb 1.25	At top fb 7 d fb 14 d	77.4 a
5	RTM fb But fb MH30+Butralin	2 fb 0.75 fb 1.5+0.5	At top fb 7 d fb 14 d	73.2 a
6	RTM fb RTM+But fb MH30	2 fb 2+0.75 fb 1	At top fb 7 d fb 14 d	77.0 a
7	RTM (check)	2	At top	69.4 a