

2012 Dark Tobacco Sucker Control Trial

HRREC – Springfield TN

- Objective: Compare sucker control MH and non-MH applications made with conventional 3-nozzle/row system or with conveyor hoods.
- PD 7318LC set mid-June
 - 42" rows x 32.4" plant spacing = 4614 plants/A
- Off Shoot T applied to all plots on August 8 just prior to first topping
 - Second Off Shoot T application made in treatments 3, 4, and 5.
- Tobacco topped August 8 and 20
- Treatments applied Aug 20 and Aug 27
 - All applications at 55 gal/A except Butralin application in treatment 5 (70 gal/A)
- Tobacco harvested early October
 - Fire-cured

Trt #	Treatment	Rate (gal/A)	Method
1	OST + Butralin fb OST + Butralin	2.5 + 0.5 2.5 + 0.5	Spray
2	OST + Butralin fb OST + Butralin	2.5 + 0.5 2.5 + 0.5	Conveyor
3	Royal MH-30 + Butralin	1.25 + 0.5	Spray
4	Royal MH-30 + Butralin	1.25 + 0.5	Conveyor
5	Butralin fb Royal MH-30	0.7 fb 1.25	Conveyor
6	OST	2	Conveyor



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HRREC – Springfield TN – Sucker Control Data

Trt #	Treatment	Rate (gal/A)	Method	% Control	Stalk Suckers	Ground Suckers	Total Suckers
				(0-100%)	----- Number per 10 plants -----		
1	OST + Butralin fb OST + Butralin	2.5 + 0.5 2.5 + 0.5	Spray	80 d	2.5 b	12.0 b	14.5 b
2	OST + Butralin fb OST + Butralin	2.5 + 0.5 2.5 + 0.5	Conveyor	86 c	2.3 b	7.8 b	10.0 bc
3	Royal MH-30 + Butralin	1.25 + 0.5	Spray	91 b	4.5 b	7.5 b	12.0 bc
4	Royal MH-30 + Butralin	1.25 + 0.5	Conveyor	93 ab	4.3 b	4.0 b	8.3 bc
5	Butralin fb Royal MH-30	0.7 fb 1.25	Conveyor	97 a	0.8 b	3.5 b	4.3 c
6	1 OST (pre-top)	2	Conveyor	0 e	45.0 a	25.0 a	70.0 a
LSD (0.10) =				4.9	5.6	8.5	10.1

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HRREC – Springfield TN – Dark-Fired Yield and Quality Grade Index

Trt #	Treatment	Rate (gal/A)	Method	Total Yield	Quality Grade Index
				(lbs/acre)	(0-100)
1	OST + Butralin fb OST + Butralin	2.5 + 0.5 2.5 + 0.5	Spray	2871 a	74.2 a
2	OST + Butralin fb OST + Butralin	2.5 + 0.5 2.5 + 0.5	Conveyor	2761 a	70.4 ab
3	Royal MH-30 + Butralin	1.25 + 0.5	Spray	3012 a	69.2 ab
4	Royal MH-30 + Butralin	1.25 + 0.5	Conveyor	3128 a	69.0 ab
5	Butralin fb Royal MH-30	0.7 fb 1.25	Conveyor	3059 a	67.2 bc
6	1 OST (pre-top)	2	Conveyor	2019 b	62.3 c
LSD (0.10) =				420	6.5