

Evaluation of Experimental Fungicides for Black Shank Control in Dark Tobacco

Christian Co. – Kent Boyd Farm – Hopkinsville, KY - 2008

- KT D6LC transplanted June 11
 - 42” row spacing, 30” plant spacing
 - 4978 plants/A
- Fungicide treatments applied pretransplant incorporated and post-transplant.
- Pretransplant applications made broadcast at 15 gal/A 6 hrs prior to transplanting, incorporated immediately with Triple K field cultivator.
- Post-transplant applications made as banded applications (15” bands to both sides of rows) at first cultivation (2 wks after transplanting) and at layby (4 wks after transplanting).
- Randomized complete block with 4 replications
- Plots 4-rows, 40 ft. long
- All treatments applied 3 times (pretransplant, 1st cultivation, layby)
- Treatments
 - Untreated check
 - Experimental (13 oz/A)
 - Experimental (52 oz/A)
 - Ridomil Gold SL (1 pt/A)

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Treatments

Treatment	Rate/A	Applications
Untreated Check	0	-
Experimental (1x rate)	13 oz/A	PTI + 1 st cult. + Layby
Experimental (4x rate)	52 oz/A	PTI + 1 st cult. + Layby
Ridomil Gold SL	1 pt/A (16 oz/A)	PTI + 1 st cult. + Layby

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Stand Counts and Total Yield/A

Treatment	% Stand 2 wks after setting	% Stand 4 wks after setting	% Stand 9 wks after setting	% Stand at Harvest	Total Yield (lbs/A)
Untreated Check	97.8	97.4	92.3	84.9	2853
Experimental (13 oz/A), 3 app.	97.8	97.8	91.5	75.7	2562
Experimental (52 oz/A), 3 app.	99.3	99.3	96.0	90.1	3145
Ridomil Gold SL (16 oz/A), 3 app.	97.8	97.4	96.7	94.9	3532
LSD _{0.05}	3.9	3.7	6.2	16.1	780

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Summary/Conclusions

- Experimental fungicide showed some activity against black shank at highest rate tested (52 oz/A).
- Even 3 applications of highest rate of experimental was not as effective as 3 applications of 1 pt/A Ridomil Gold SL.