

Evaluation of Quadris and Actigard Programs for Control of Leaf Spotting Diseases in Dark Tobacco

2007 – UKREC, Princeton, KY

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Quadris/Actigard Programs for Dark Tobacco 2007 – UKREC, Princeton, KY

- Variety: Narrowleaf Madole LC set May 21
 - 40” row spacing, 32” plant spacing (4900 plants/A)
- Experimental design: RCBD with 4 replications
 - Plots 4 rows, 40 ft. long
 - All 4 rows treated, data collected from center 2 rows
- Data collected: tobacco crop vigor, late-season % spotting, dark-fired tobacco yield, grade index, revenue

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| Trt | Treatment | Application Rate/A | No. of Applications |
|-----|-----------------|--------------------|---------------------|
| 1 | Untreated Check | 0 | 0 |
| 2 | Acrobat MZ 69WP | 2.5 lb/A | 4 |
| 3 | Quadris 2.08SC | 8 oz/A | 4 |
| 4 | Quadris 2.08SC | 8 oz/A | 1 |
| | Actigard 50WG | 0.5 oz/A | 3 |
| 5 | Quadris 2.08SC | 8 oz/A | 2 |
| | Actigard 50WG | 0.5 oz/A | 2 |
| 6 | Actigard 50WG | 0.5 oz/A | 3 |
| 7 | Quadris 2.08SC | 12 oz/A | 2 |
| | Quadris 2.08SC | 8 oz/A | 1 |

*Applications 1 and 2 made broadcast at 15 gal/A.

Application 3 made full coverage with 5 nozzles/row at 40 gal/A.

Application 4 made full coverage with 5 nozzles/row at 60 gal/A.

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Late-season crop vigor and spotting: August 28

| Trt | Treatment | Crop Vigor (1-10, 10 best) | % Disease Spotting* |
|-----|----------------------------------|-------------------------------|---------------------|
| 1 | Untreated Check | 8.06 a | 1.06 a |
| 2 | Acrobat MZ 69WP | 8.13 a | 1.00 a |
| 3 | Quadris 2.08SC | 8.06 a | 0.81 a |
| 4 | Quadris 2.08SC Actigard 50WG | 7.81 a | 0.69 a |
| 5 | Quadris 2.08SC Actigard 50WG | 8.00 a | 0.60 a |
| 6 | Actigard 50WG | 8.19 a | 0.94 a |
| 7 | Quadris 2.08SC Quadris 2.08SC | 8.19 a | 0.71 a |
| | LSD _{0.05} | 0.91 | 0.52 |

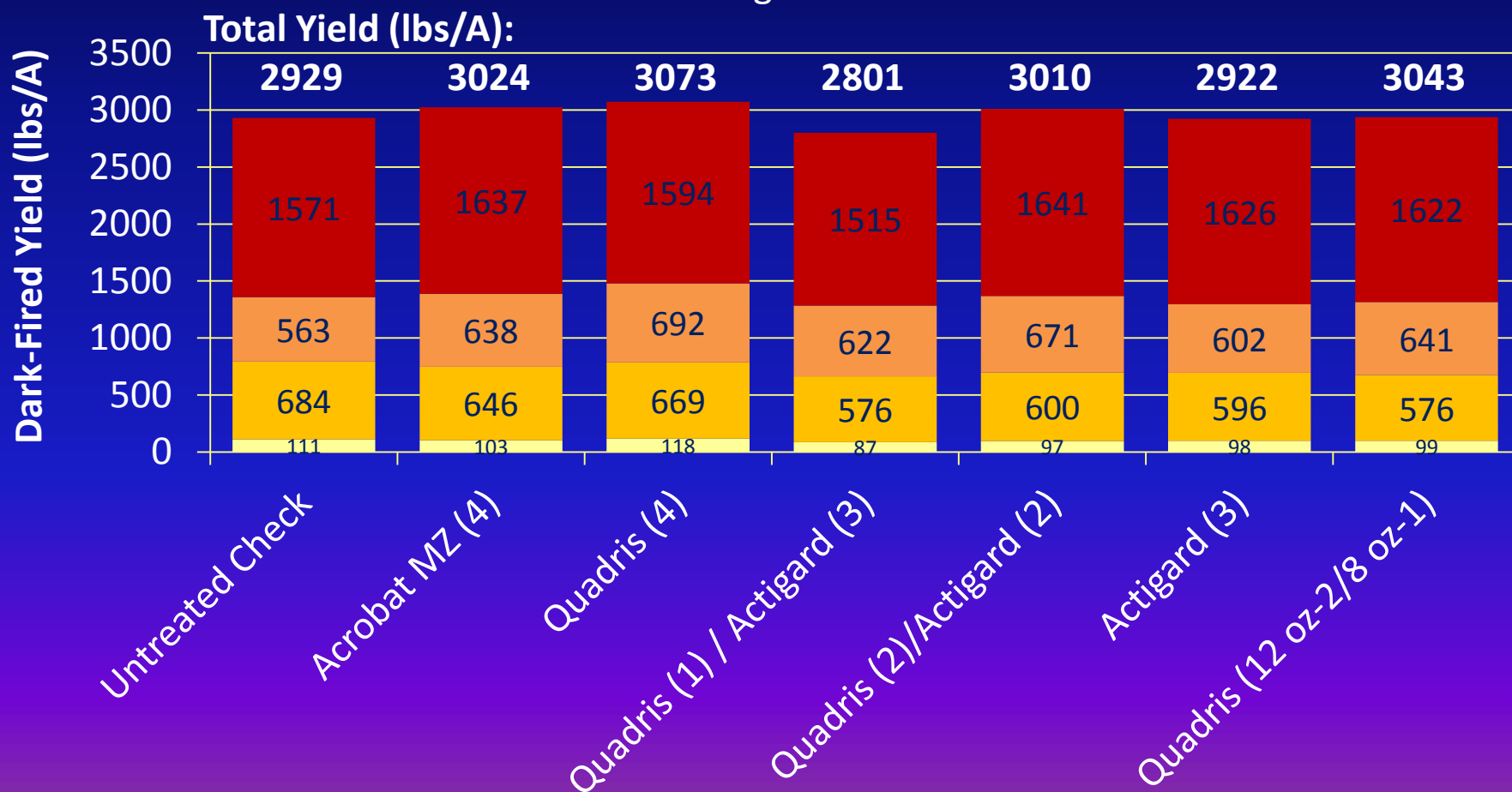
*Disease incidence was extremely low due to drought conditions of 2007 season. Predominant spotting diseases were frog-eye leafspot and target spot.

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Dark-Fired Tobacco Yield

LSD_{0.05} = 44 204 167 310 532 (total)
 Trash
 Lug
 Second
 Leaf



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Dark-Fired Tobacco Quality Grade Index and Gross Revenue/A*

*Grade Index and Gross Revenue based on 2004 USDA grade and price support for Type 22 Eastern Dark-Fired Tobacco.

