

Comparison of Herbicide Programs for Dark Tobacco 2007 – MSU, Murray, KY

- Objective: determine most effective commercial herbicide programs available for dark tobacco
- Dark-fired variety: Narrowleaf Madole LC
 - Set June 4, 40" rows, 32" plant spacing (4900 plants/A)
- All herbicide applications made broadcast at 15 gal/A at 24 hrs prior to setting
 - Pretransplant incorporated (PRE-T Inc)
 - Prowl, Tillam, Devrinol
 - Pretransplant surface application (PRE-T)
 - Spartan, Command
- Data collected: weed control, yield, quality, revenue

Treatments

Treatment	Rate/A	Application Method
Spartan 4F	12 oz/A	PRE-T
Command 3ME	2.67 pt/A	PRE-T
Spartan 4F + Command 3ME	12 oz/A + 2.67 pt/A	PRE-T
Prowl 3.3EC	3.6 pt/A	PRE-T Inc
Prowl 3.3EC fb Spartan 4F	3.6 pt/A fb 12 oz/A	PRE-T Inc fb PRE-T
Tillam 6E	2.67 qt/A	PRE-T Inc
Devrinol 50DF	4 lb/A	PRE-T Inc
Tillam 6E + Devrinol 50DF	2.67 qt/A + 4 lb/A	PRE-T Inc
Untreated Check	-	-

*PRE-T Inc treatments incorporated with Roterra immediately after application.

Herbicide Programs for Dark Tobacco

2007 – MSU, Murray, KY – Mid-Season Plot Rating

		<i>% Weed Control (0-100%)</i>			
<i>Treatment</i>	<i>% Crop Injury</i>	<i>Goose grass</i>	<i>Smooth pigweed</i>	<i>Yellow nutsedge</i>	<i>Morning glory</i>
Spartan 4F	0	77	98	97	89
Command 3ME	0	96	45	23	51
Spartan + Command	0	97	92	97	97
Prowl 3.3EC	2	96	96	24	44
Prowl fb Spartan	2	96	98	97	96
Tillam 6E	0	80	93	91	48
Devrinol 50DF	0	76	50	36	60
Tillam + Devrinol	0	88	90	90	62
Untreated Check	0	0	0	0	0
LSD(0.05)	1	7	10	3	5

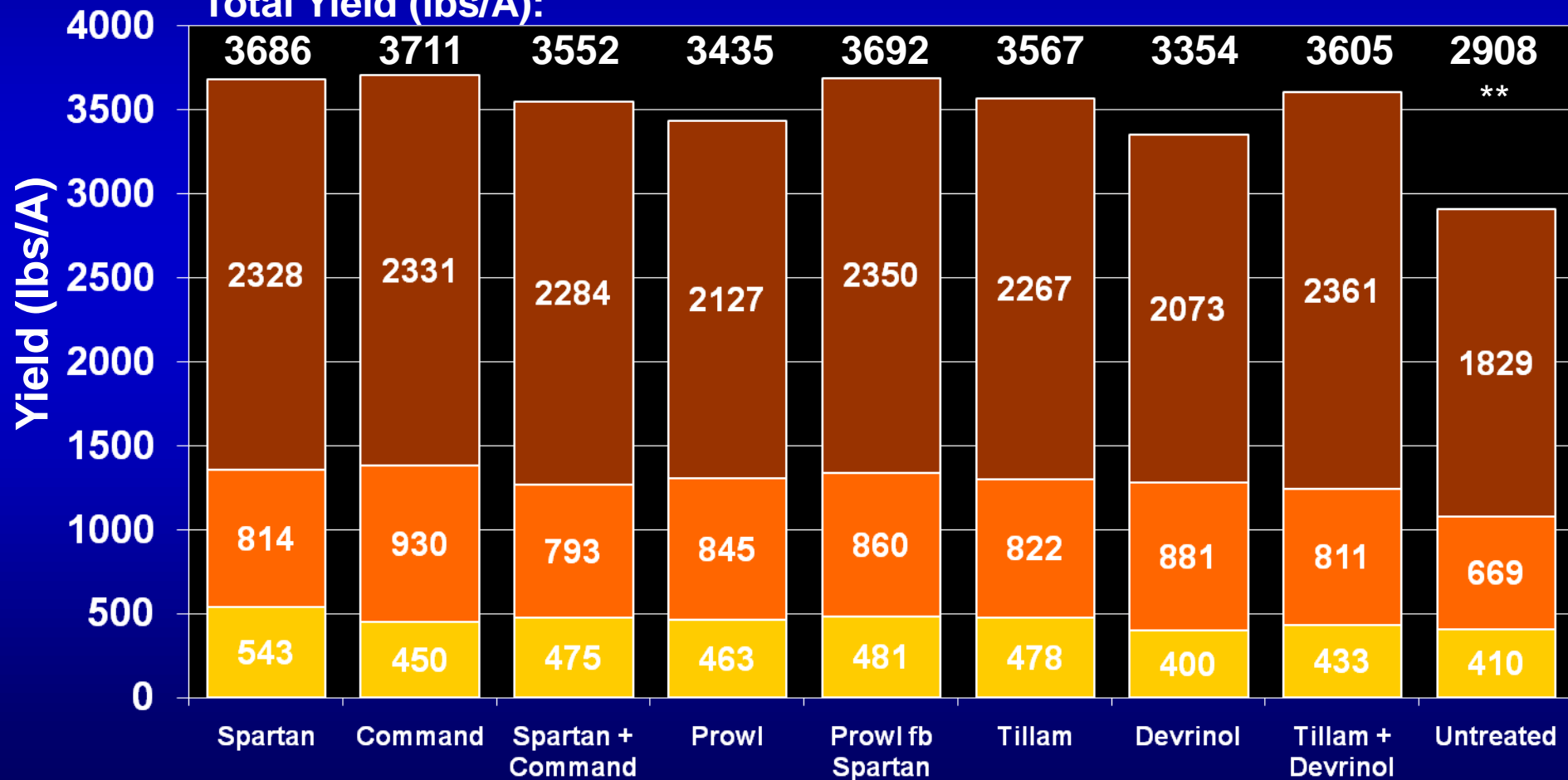
Herbicide Programs for Dark Tobacco

2007 – MSU, Murray, KY – Dark-fired Yield

LSD_{0.05} = 150 132 418 440 (total)

■ Lug ■ Second ■ Leaf

Total Yield (lbs/A):



Herbicide Programs for Dark Tobacco 2007 – MSU, Murray, KY – Quality/Revenue

*Values based on Federal Grade and 2004 Price Support for Type 23 Western Dark-fired tobacco.

LSD_{0.05} =

1498

17.0 (Grade Index)

■ Gross Revenue (\$/A)

