

Drip Irrigation of Burley and Dark Tobacco

MSU – Murray, KY - 2004

- Burley Variety: TN 90
- Dark Variety: Narrowleaf Madole
- Treatments
 - Check plot with no irrigation
 - Weekly minimum of 1” water, including incident rainfall (every row middle)
 - 1” following any 10 d period with no rainfall (every row middle)
 - 1” following any 10 d period with no rainfall (every other row middle)
 - Best Management: irrigation as-needed according to WaterMark sensors
- Tobacco set June 9, 2004
- Irrigation beginning at topping
- 3 replications of treatments

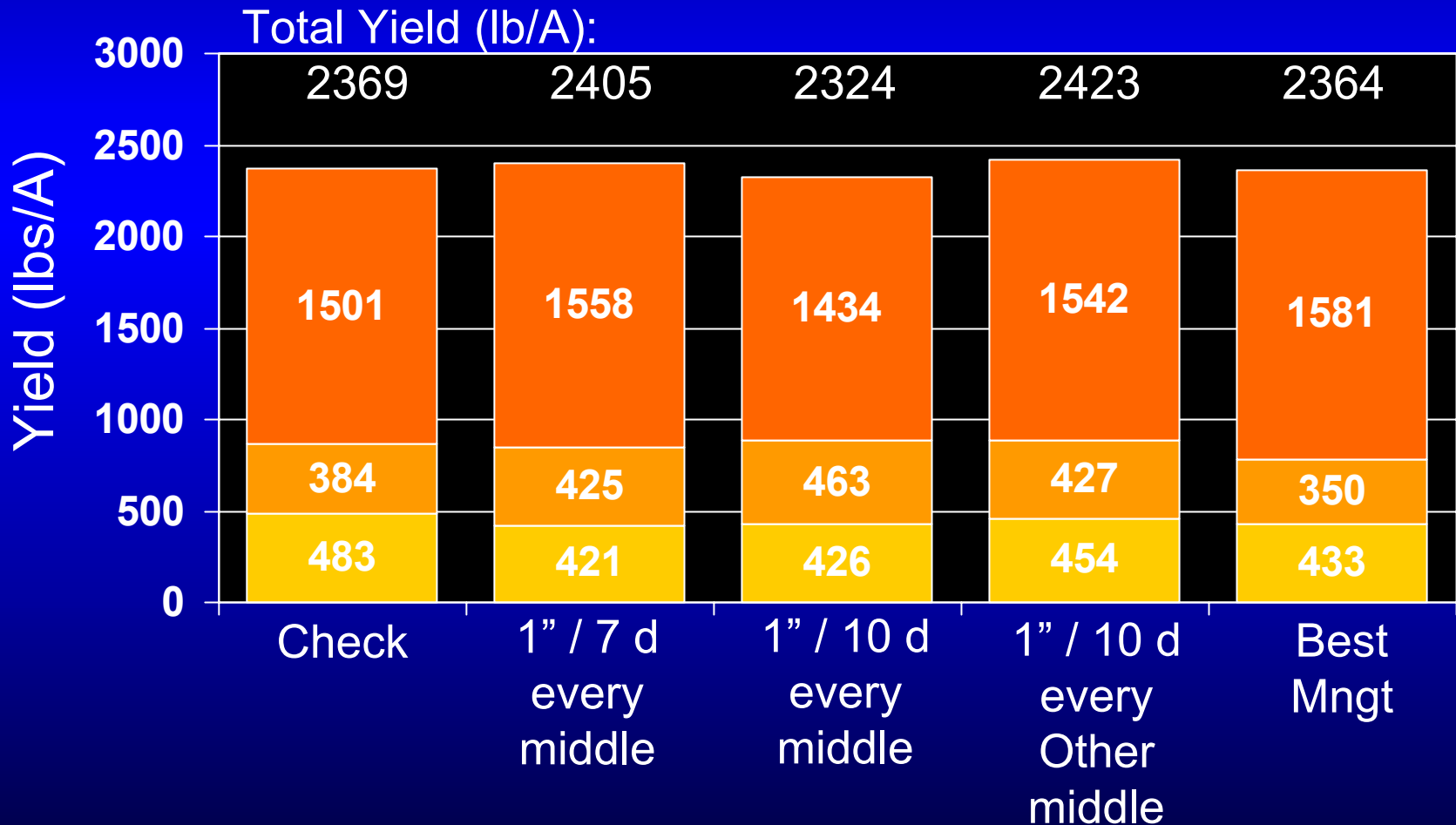
Drip Irrigation of Burley Tobacco

MSU – Murray, KY – 2004

Burley TN 90

LSD_{0.05} = 153 91 246 381 (total)

■ Lug ■ Second ■ Leaf



Drip Irrigation of Burley Tobacco

MSU – Murray, KY – 2004

Burley TN 90

**Based on 2004 Federal Grade and Price Support of Type 31 Burley tobacco.*

Treatment	Grade Index	Gross Revenue
		\$/acre
Check (no irrig.)	63.4	4392
1" / 7 d (every row)	66.6	4677
1" / 10 d (every row)	60.6	4215
1" / 10 d (every other row)	71.6	4771
Best Management	59.7	4314
LSD _{0.05}	15.4	980

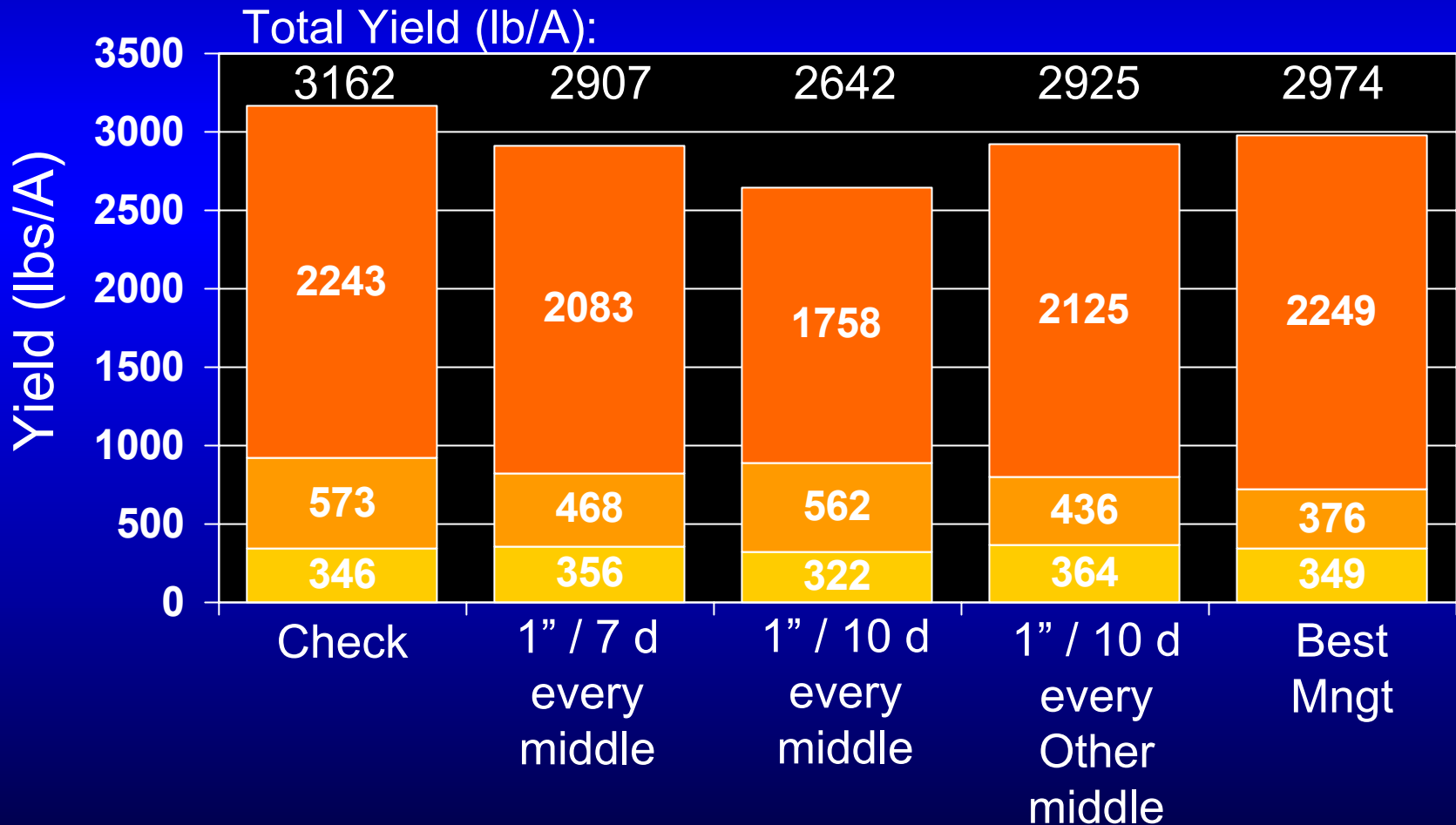
Drip Irrigation of Dark Tobacco

MSU – Murray, KY – 2004

Dark-Fired Narrowleaf Madole

LSD_{0.05} = 101 172 624 784 (total)

■ Lug ■ Second ■ Leaf



Drip Irrigation of Dark Tobacco

MSU – Murray, KY – 2004

Dark-Fired Narrowleaf Madole

**Based on 2004 Federal Grade and Price Support of Type 23 Dark Fire-Cured tobacco.*

Treatment	Grade Index	Gross Revenue
		\$/acre
Check (no irrig.)	60.6	4869
1" / 7 d (every row)	64.2	4961
1" / 10 d (every row)	62.0	4518
1" / 10 d (every other row)	61.5	4671
Best Management	62.6	5502
LSD _{0.05}	8.6	1305