

# Drip Irrigation of Burley and Dark Tobacco

## MSU – Murray, KY - 2006

- Burley Variety: TN 90
- Dark Variety: Narrowleaf Madole, fire-cured
- 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 1, 2005
- Irrigation beginning at topping
- 3 replications of treatments

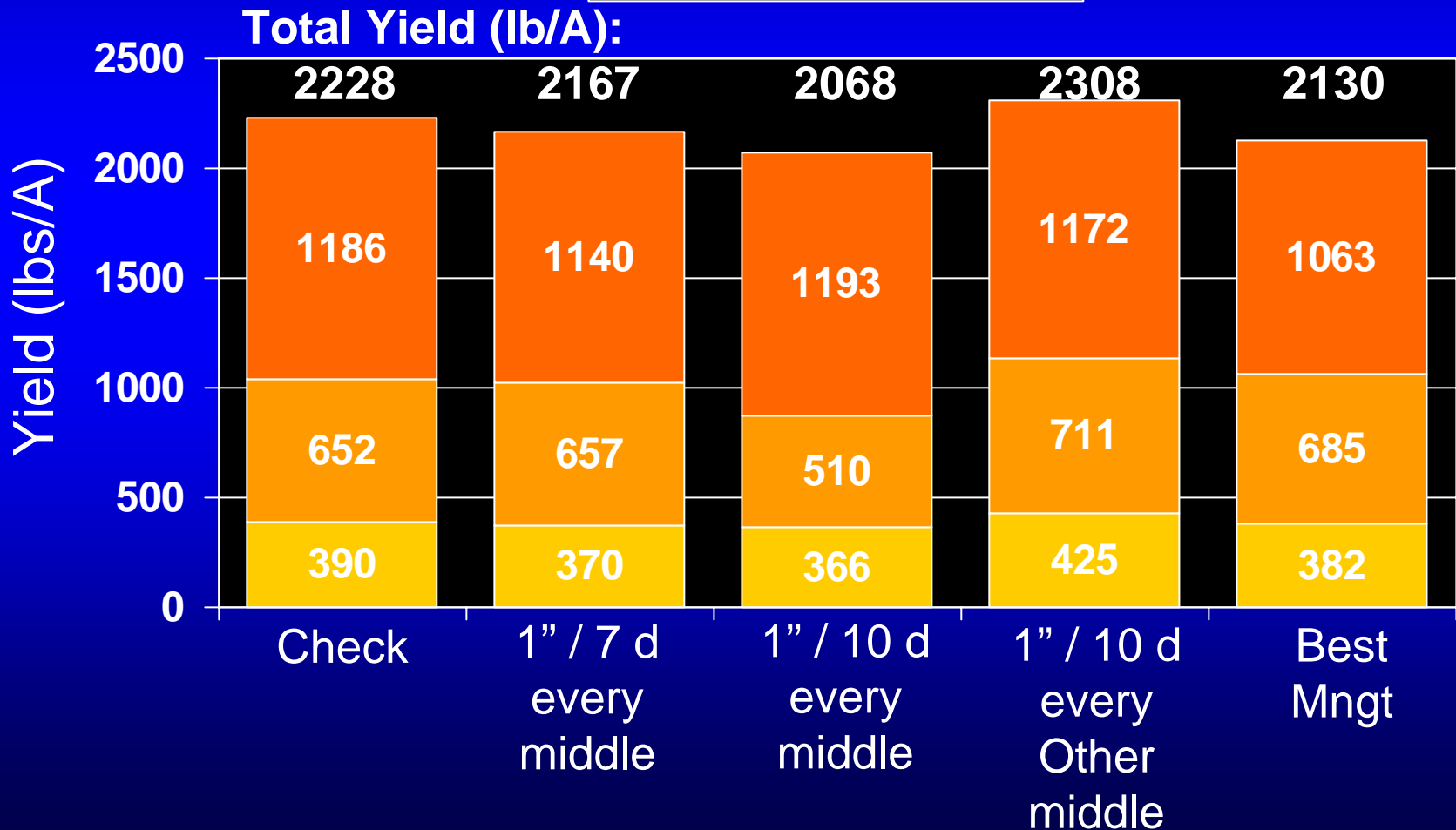
# Drip Irrigation of Burley Tobacco

MSU – Murray, KY – 2006

Burley TN 90

LSD<sub>0.05</sub> = 132      158      361      408 (total)

■ Lug ■ Second ■ Leaf



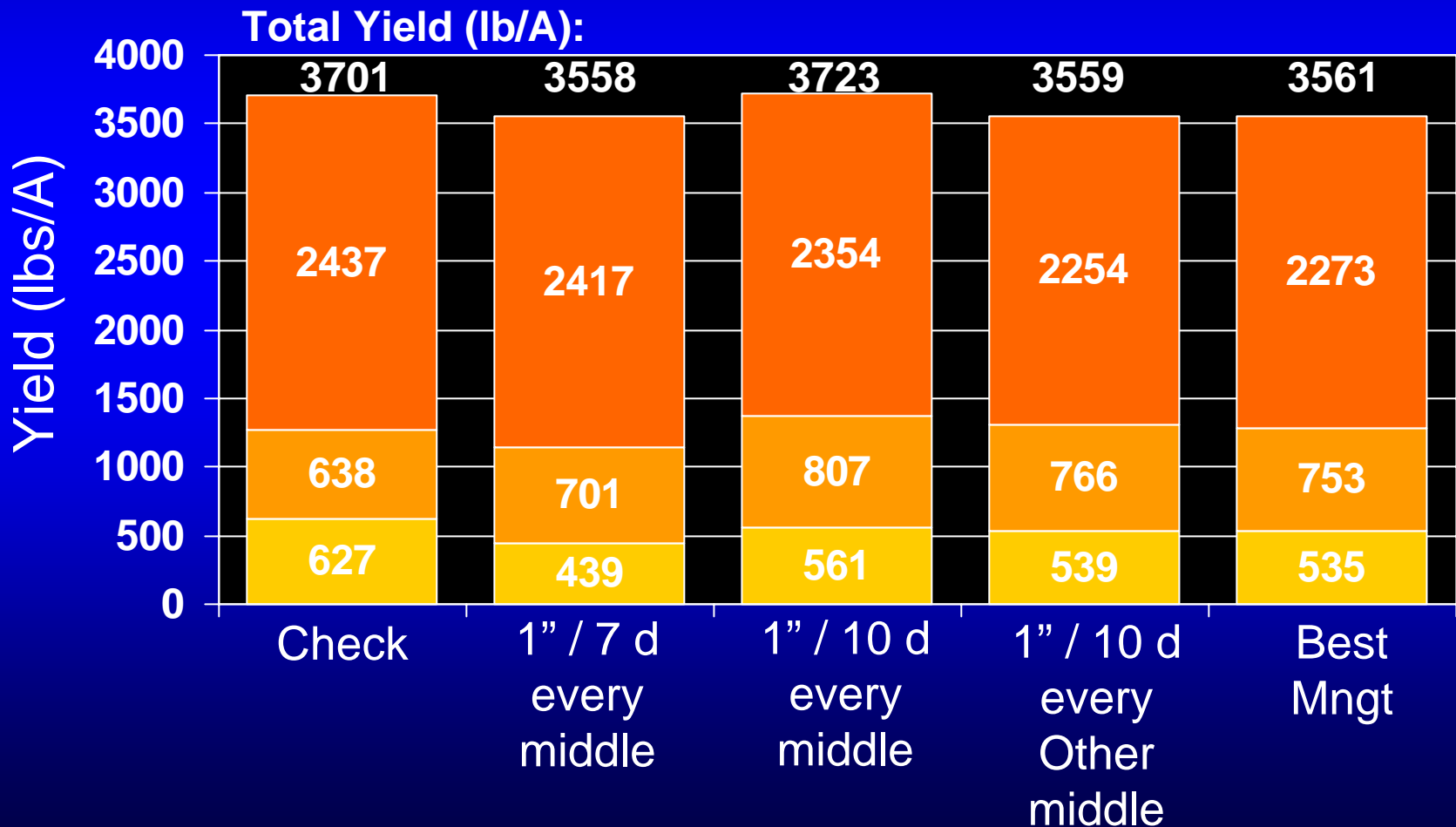
# Drip Irrigation of Dark Tobacco

MSU – Murray, KY – 2006

Dark-Fired Narrowleaf Madole

LSD<sub>0.05</sub> = 34      115      269      271 (total)

■ Lug ■ Second ■ Leaf



# Drip Irrigation of Dark Tobacco

MSU – Murray, KY – 2006

Dark-Fired Narrowleaf Madole

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

<b>Treatment</b>	<b>Grade Index</b>	<b>Gross Revenue</b>
		\$/acre
Check (no irrig.)	69.3	7417
1" / 7 d (every row)	67.5	6814
1" / 10 d (every row)	71.1	7525
1" / 10 d (every other row)	69.9	7082
Best Management	70.4	7208
LSD <sub>0.05</sub>	13.2	1218