

2007 Dark Fire-Cured Variety Trial Taylor Clark Farm – Cheatham Co., TN

- Trial set May 19
- 42” rows x 36” plant spacing
 - 4,149 plants/A
- 4 replications of each of 5 varieties:
 - TN D950
 - KT D4LC
 - KT D6LC
 - DT 538LC
 - PD7312LC (NL Mad x KY 171)
- Non-irrigated
- Extreme drought conditions
 - Approx. 2” rainfall for season
- Harvested August 16
- Fired 6 times
- Stripped November 14



DT 538LC

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Late-Season Crop Vigor and Drought Firing

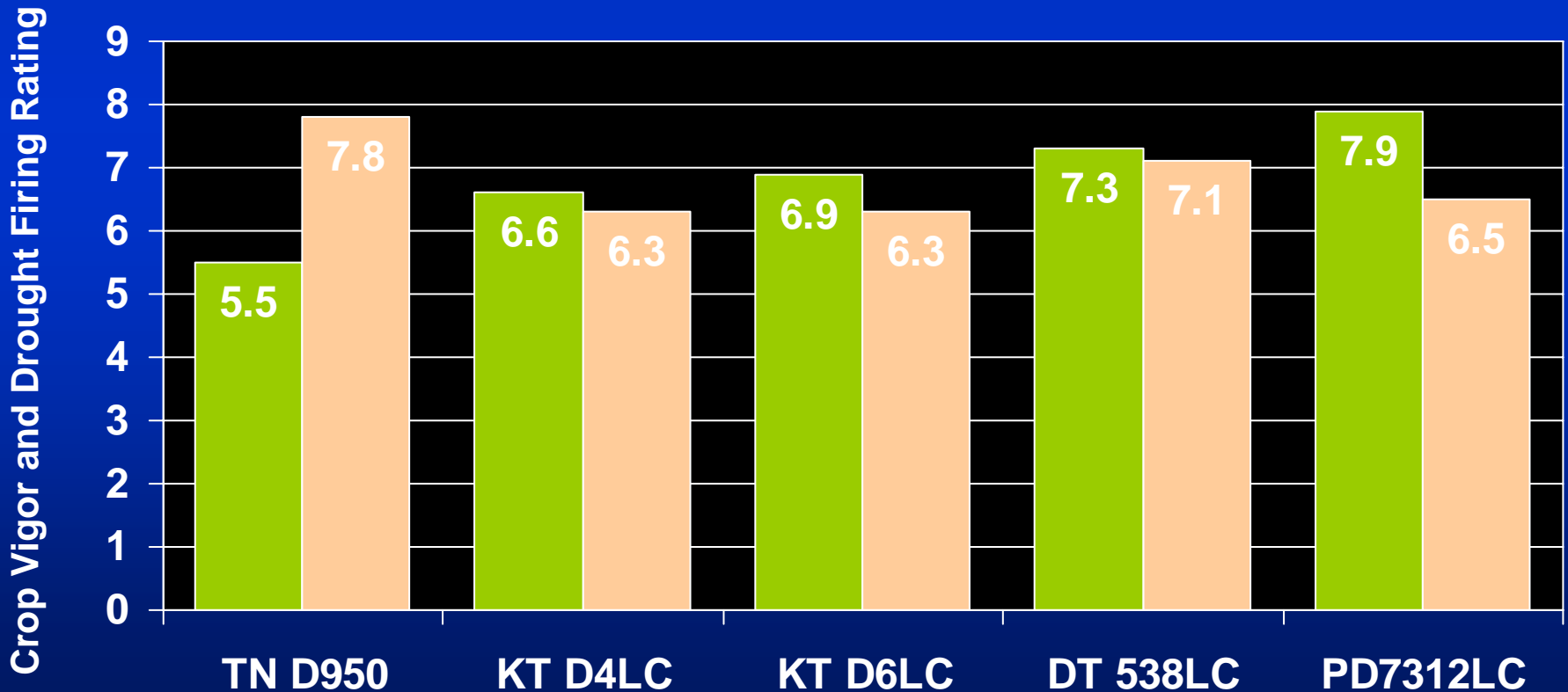
Data taken day of harvest (Aug 16)

LSD (0.05) =

0.78

1.32

■ Vigor (1-10, 10 best) ■ Drought Firing (1-10, 10 worst)



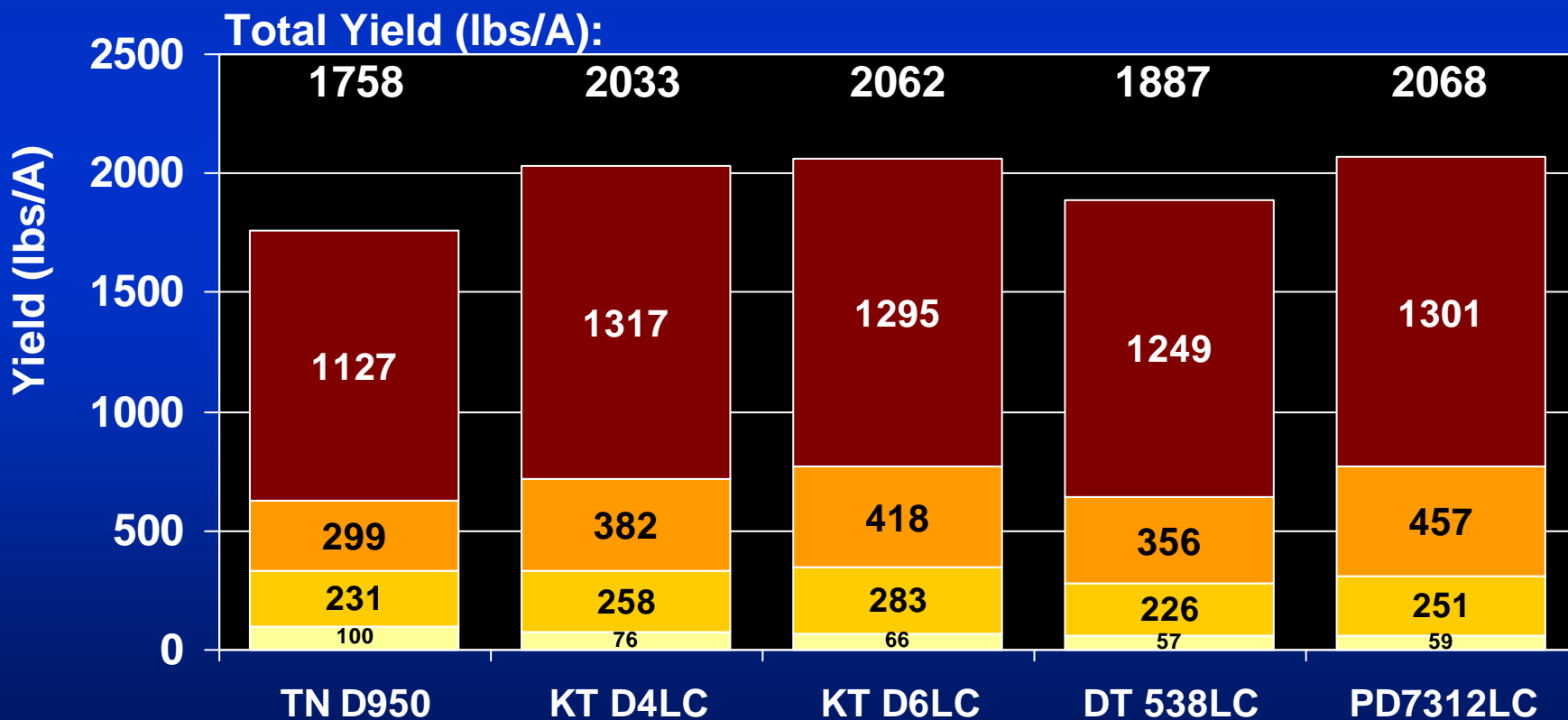
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Yield

LSD_{0.05} = 23 32 90 166 199 (total)

■ Trash ■ Lugs ■ Seconds ■ Leaf



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- *Trial summary:*

Extreme drought conditions severely impacted all varieties in the trial. Highest amount of trash was from TN D950. Highest lug yields were from KT D6LC (283 lbs/A) and KT D4LC (258 lbs/A). Highest seconds were from PD7312LC (457 lbs/A). Greatest leaf yield (>1300 lbs/A) came from KT D4LC (1317 lbs/A) and PD7312LC (1301 lbs/A).

PD7312LC produced the highest total yield in the trial (2068 lbs/A), with similar yields coming from KT D6LC (2062 lbs/A) and KT D4LC (2033 lbs/A). Lowest yield was from TN D950 (1758 lbs/A). Average total yield across all varieties for the trial was 1962 lbs/A.