

2009 Sidedress Nitrogen Source Trial

MSU West Farm – Murray, KY

- 150 lbs N/A preplant
 - Urea broadcast, incorporated
 - June 8
- PD 7318LC dark tobacco
 - Set June 10
 - 4900 plants/A
 - 40" rows, 32" plant spacing
- RCBD with 4 replications
- Plots 4-rows, 40 ft. long
 - All 4 rows treated
 - Data collected from center 2 rows
- Sidedress treatments applied on July 1
 - 150 lbs N/A sidedressed
 - Cultivated in July 2
- 300 lbs N/A total
- Tobacco harvested late September, fire cured.
- Data collected: in-season crop vigor, dark-fired yield and quality

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Trt #	Preplant N (lbs N)	Sidedress Fertilizer	N-P-K	Sidedress N (lbs N)	Total N/A
1	150	Untreated (no sidedress)	0	0	150
2	150	Ammonium Nitrate	34-0-0	150	300
3	150	Hydro Comp	14-0-14	150	300
4	150	Potassium Nitrate	13.5-0-45	150	300
5	150	UAN liquid (32%)	32-0-0	150	300
6	150	CN-9 liquid (9%)	9-0-0-11 (Ca)	150	300

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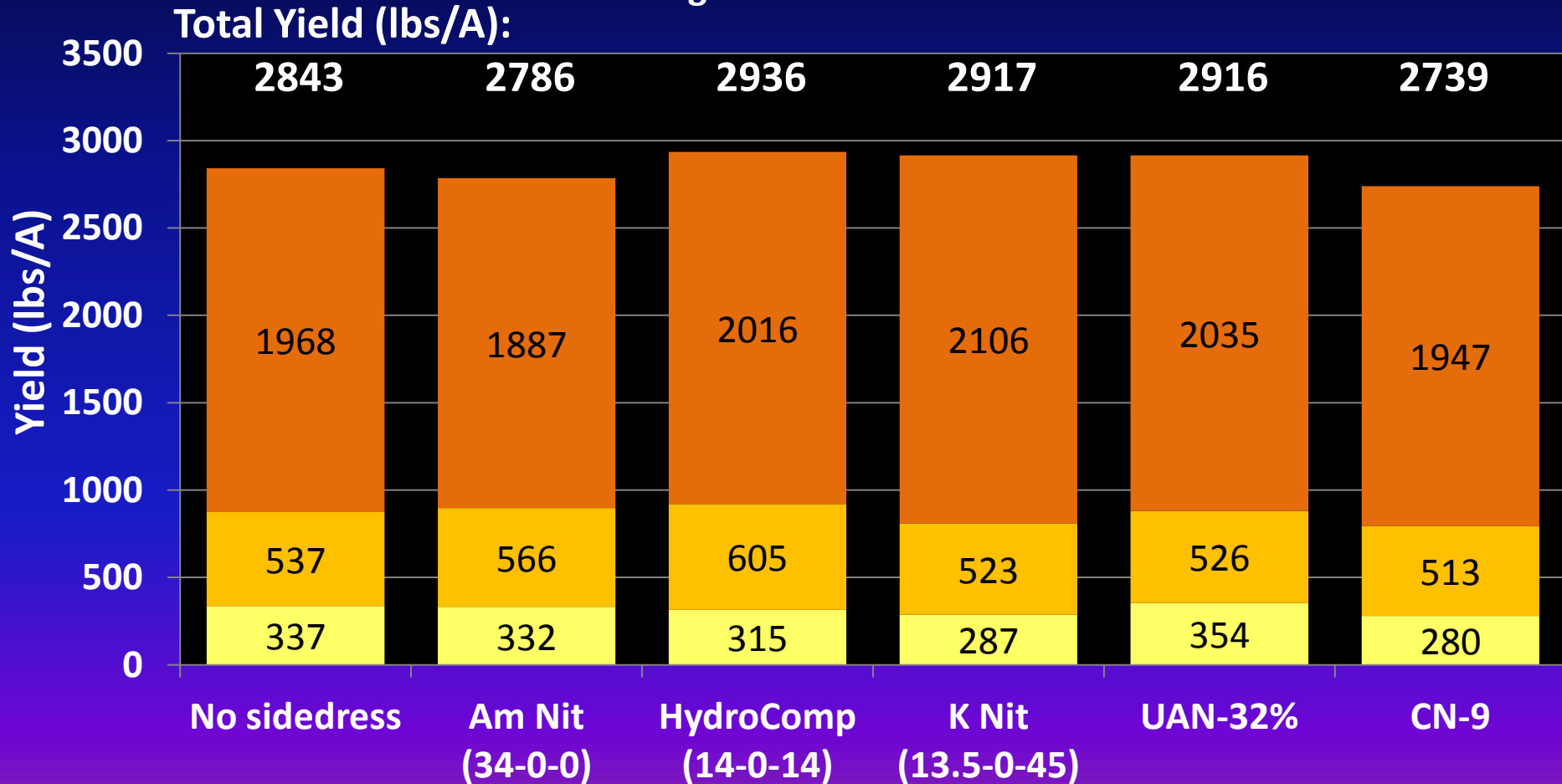
Trt #	Preplant N (lbs N)	Sidedress Fertilizer	Crop Vigor 1 July 16	Crop Vigor 2 July 27	Crop Vigor 3 Sept. 29
			----- (1-10 scale) -----		
1	150	Untreated (no sidedress)	5.5 a	6.3 a	7.8 a
2	150	Ammonium Nitrate	6.0 a	6.0 a	7.8 a
3	150	Hydro Comp	6.8 a	7.0 a	8.1 a
4	150	Potassium Nitrate	6.3 a	6.8 a	7.9 a
5	150	UAN liquid (32%)	5.5 a	5.5 a	8.1 a
6	150	CN-9 liquid (9%)	5.8 a	6.5 a	7.5 a
		LSD _{0.05}	2.2	2.0	1.8

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LSD_{0.05} = 71 175 296 278 (total)

 Lug Second Leaf



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LSD_{0.05} = 11.3
■ Grade Index

