

Evaluation of Super U Nitrogen in No-Till Burley Tobacco

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Super U

- Super U[®] is a form of urea that is pretreated with Agrotain urease inhibitors dicyandiamide and NBPT.
 - Reduced nitrogen loss potential
 - Interest in no-till situations where nitrogen fertilizer will not be incorporated.
 - Favorable results in grain crops research
- Objective for tobacco experiment:
 - Compare use of Super U to traditional urea and ammonium nitrate at 2 rates of each source (125 and 175 lbs N/A) sidedressed at transplanting
 - All plots received 50 lbs N/A ammonium nitrate prior to transplanting (total N rates were 175 and 225 lbs N/A).

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Treatment	Sidedress N source	Total N/A (sidedress N/A)
1	Am Nit (34-0-0)	225 (175)
2	Am Nit (34-0-0)	175 (125)
3	Urea (46-0-0)	225 (175)
4	Urea (46-0-0)	175 (125)
5	Super U (46-0-0)	225 (175)
6	Super U (46-0-0)	175 (125)

- KT 204LC burley transplanted no-till into burned-down fallow ground on June 11.
 - 40" rows, 24" plant spacing (6534 plants/A)
- 50 lbs N/A pretransplant, treatments applied sidedress to all rows on June 11.
- RCBD experimental design with 4 replications, plots 4 rows, 40-ft. long.

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