

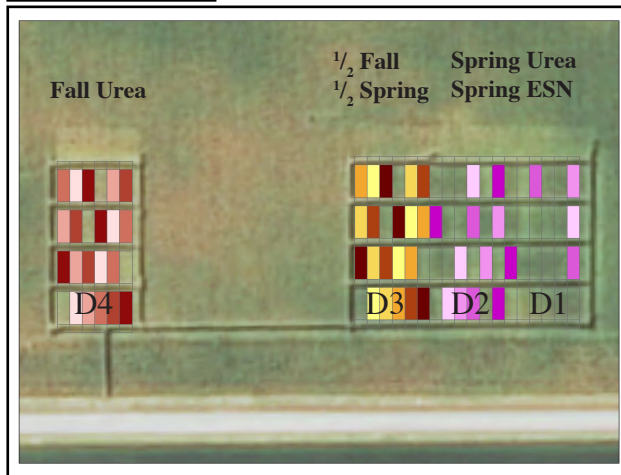


Indian Creek

2011 NUE Trials



Harms Corn After Soybeans NUE Timing



Harms - Urea Application Timing
Product, Lbs/Product

- all spring applied Urea:80
- all spring applied Urea:120
- all spring applied Urea:160
- all spring applied Urea:240
- Fall Applied Urea:80
- Fall Applied Urea:120
- Fall Applied Urea:160
- Fall Applied Urea:200
- Fall Applied Urea:240
- 1/2 Fall 1/2 Spring Applied Urea:80
- 1/2 Fall 1/2 Spring Applied Urea:120
- 1/2 Fall 1/2 Spring Applied Urea:160
- 1/2 Fall 1/2 Spring Applied Urea:200
- 1/2 Fall 1/2 Spring Applied Urea:240

4Rs

- Right Time: Fall, Spring, Split
- Right Rate: 6 Rates, 40-280#

N Rate (lbs/A)	Fall Urea	Split Urea	Spring Urea
40	158	175	165
120	176	212	218
160	183	207	223
200	173	215	226
240	188	219	220
280	176	217	222

Summary

This study was designed to demonstrate the differences in nitrogen rates and yields with different application timing of the same nitrogen product. Spring timing gave the best return to nitrogen dollars spent. Fall had the lowest return and lowest yield.

Take Home Lessons

- Spring timing gave the highest yields
- Spring timing was most efficient in N use
- Fall timing had lower MERN due to N losses reducing efficiency
- Fall timing had lowest yield
- Split timing better than fall not as good as spring timing

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JOHN DEERE

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