



Hybrid Rye Nitrogen Management Trial Results – 2022

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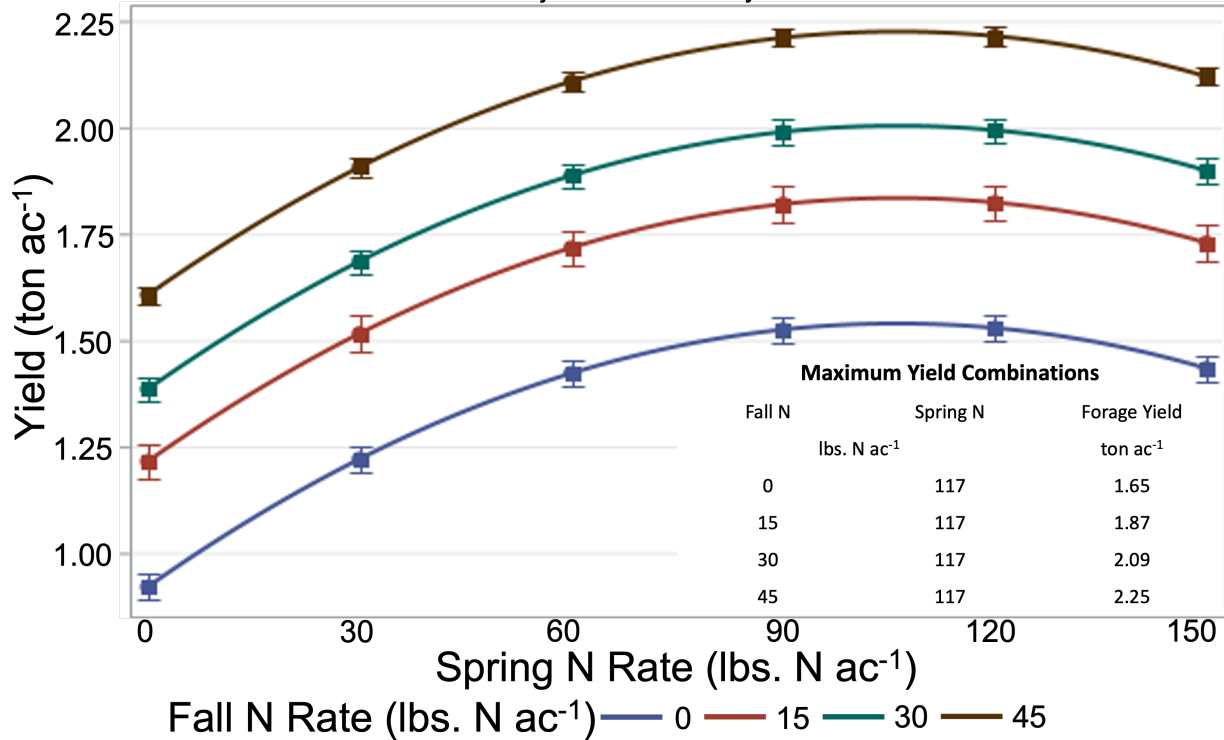
University of Wisconsin–Madison

| Experimental Procedure | Arlington Agricultural Research Station |
|---|---|
| Exp. Design: Split Plot RCB | Planted: September 29, 2021 |
| Replicates: 4 | Forage Harvest: May 17, 2022 |
| Plot Size: Forage: 3' x 6' | Grain Harvest: July 30, 2022 |
| Grain: 5' x 14' | Lancaster Agricultural Research Station |
| Row Spacing: 7.5" | Planted: September 27, 2021 |
| Seeding Rate: Hybrid Rye: 800k | Forage Harvest: May 23, 2022 |
| (seeds ac ⁻¹) Non-Hybrid Rye: 1.0 mil | Grain Harvest: July 26, 2022 |
| Triticale: 1.5 mil | Tillage: Conventional Tillage |
| Treatments | |
| Hybrid Rye: Propower & Serafino | Controls : Non-Hybrid Rye & Triticale |
| Fall N Rates: 0, 15, 30, 45 lbs. N ac ⁻¹ | (Data Not Shown) |
| Spring N Rates: 0, 30, 60, 90, 120, 150 lbs. N ac ⁻¹ | |

This is a preliminary report meant to relay preliminary findings. More data will be released once the trial is complete. This data is not for publication.

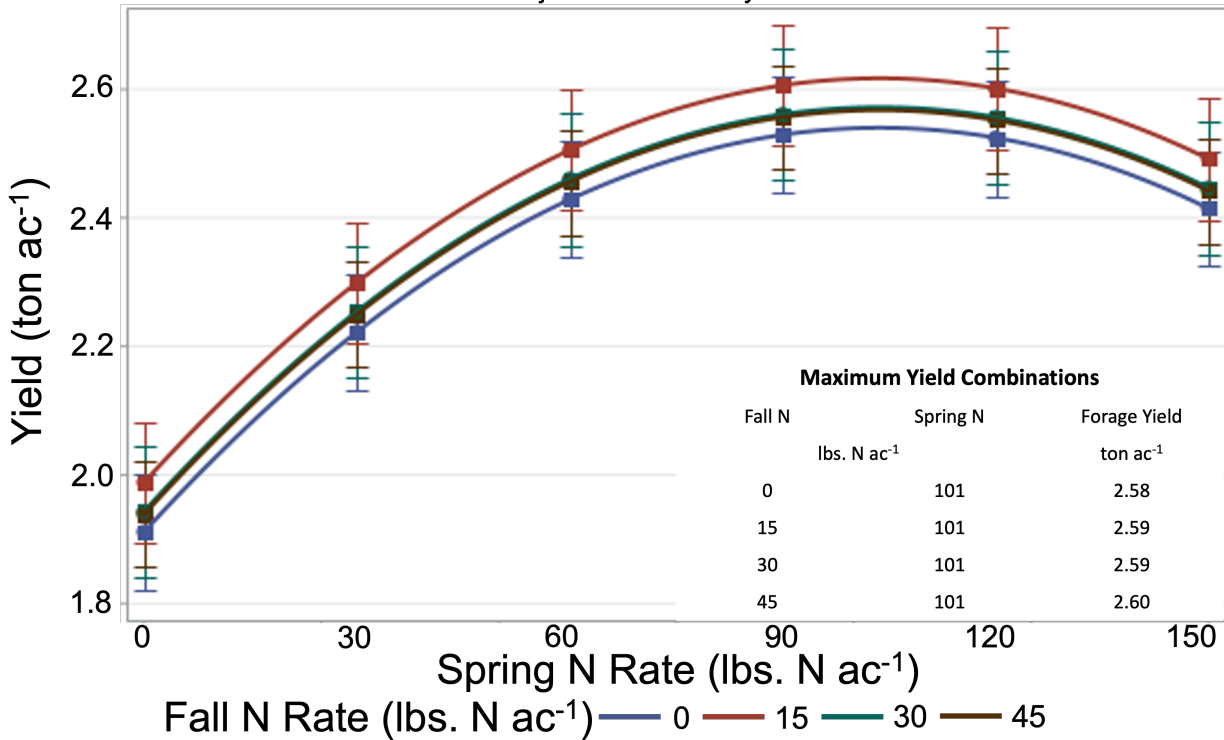
Forage Yield – Arlington 2022

Adjusted to 35% Dry Matter

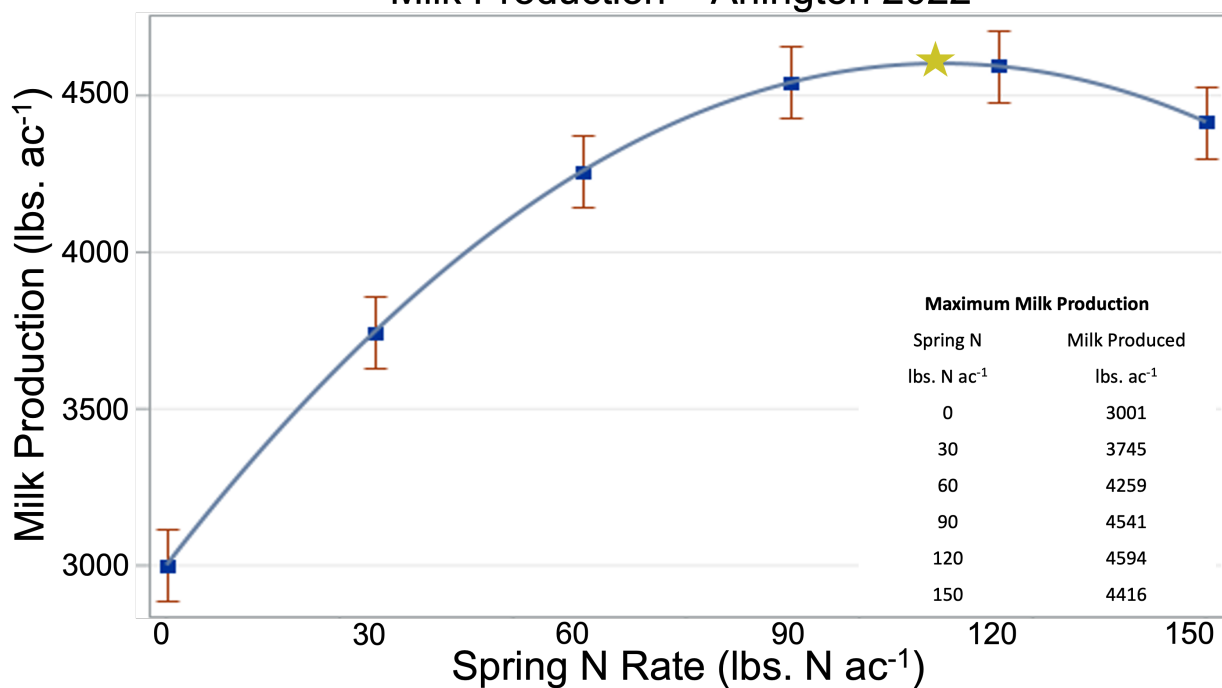


Forage Yield – Lancaster 2022

Adjusted to 35% Dry Matter

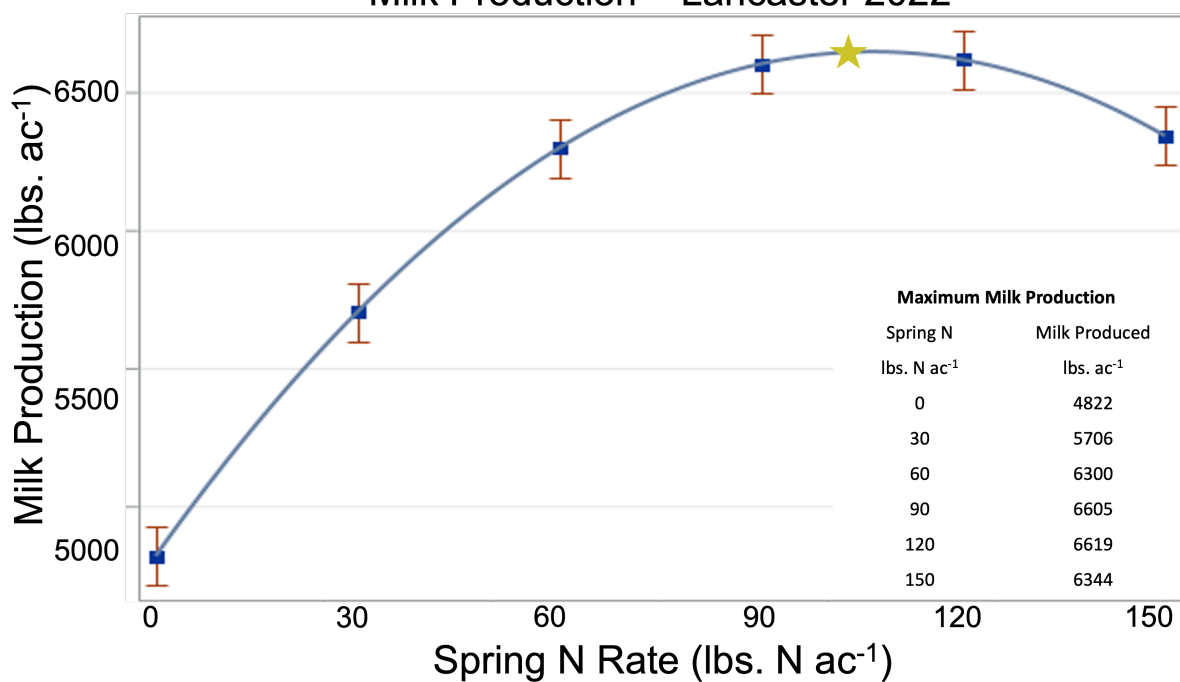


Milk Production – Arlington 2022



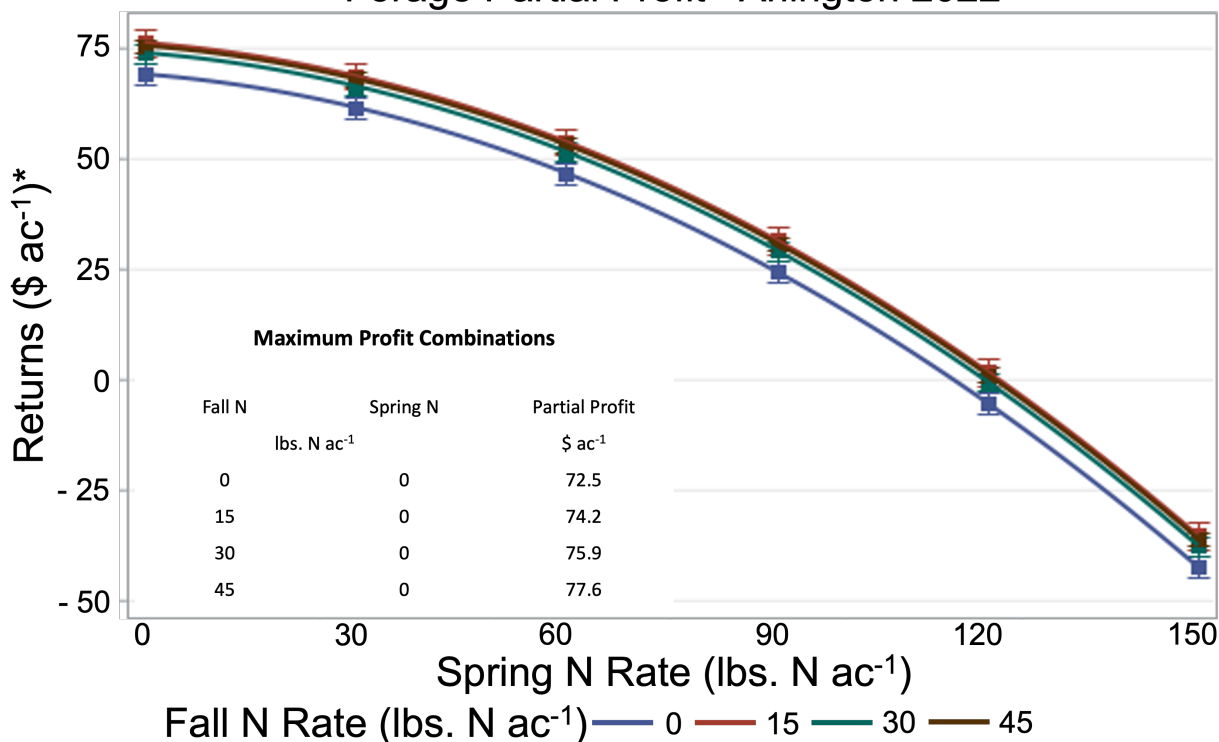
★ Maximum production reached at 112 lbs. N ac⁻¹ in the spring.

Milk Production – Lancaster 2022



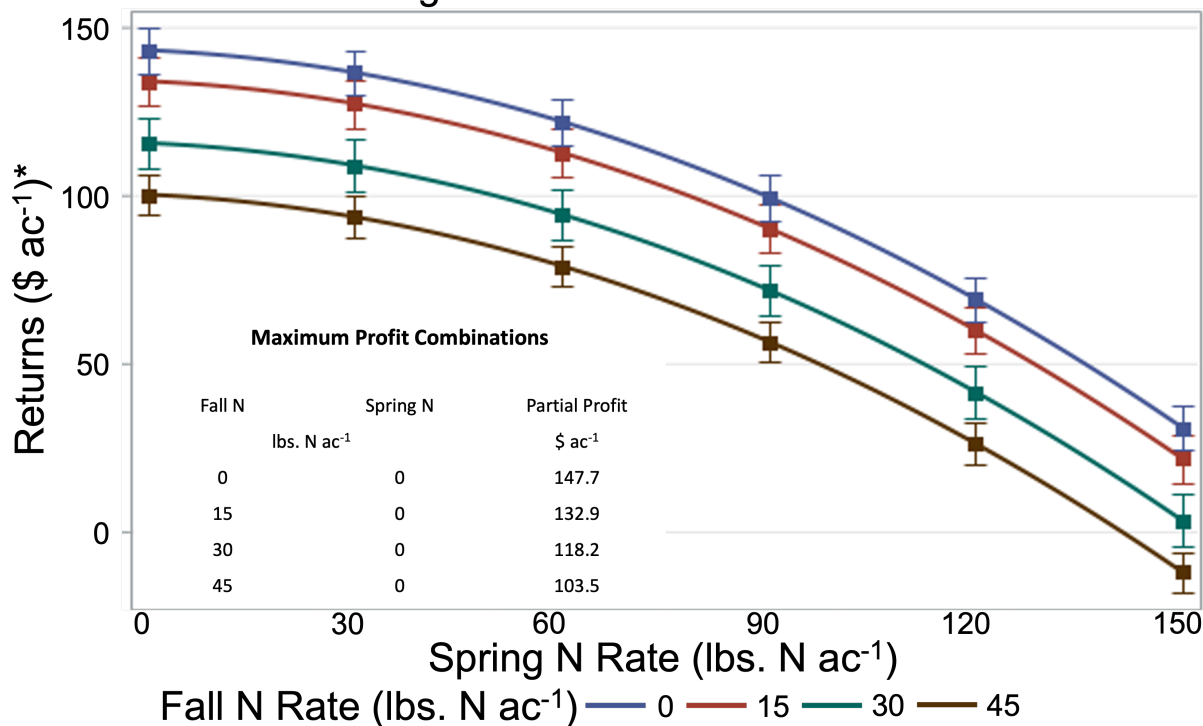
★ Maximum production reached at 107 lbs. N ac⁻¹ in the spring.

Forage Partial Profit– Arlington 2022



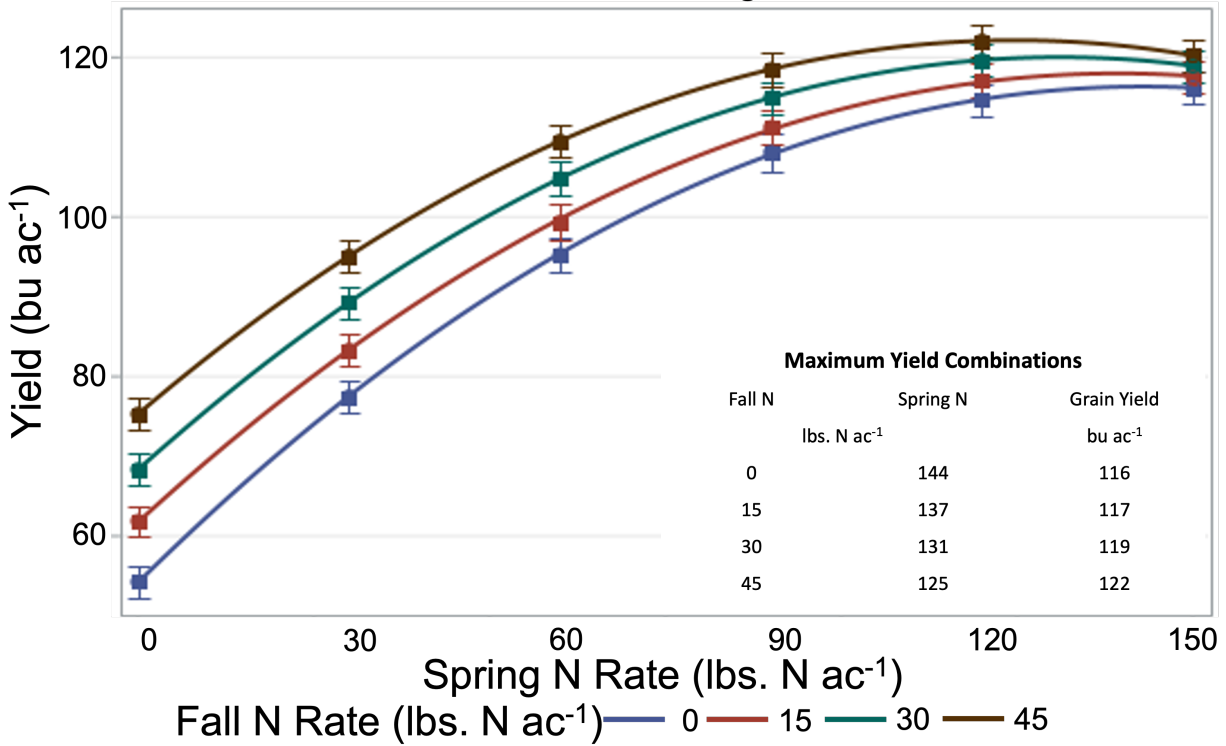
* Calculated using \$75 ton⁻¹ forage and \$1 lb. ⁻¹ urea.

Forage Partial Profit– Lancaster 2022

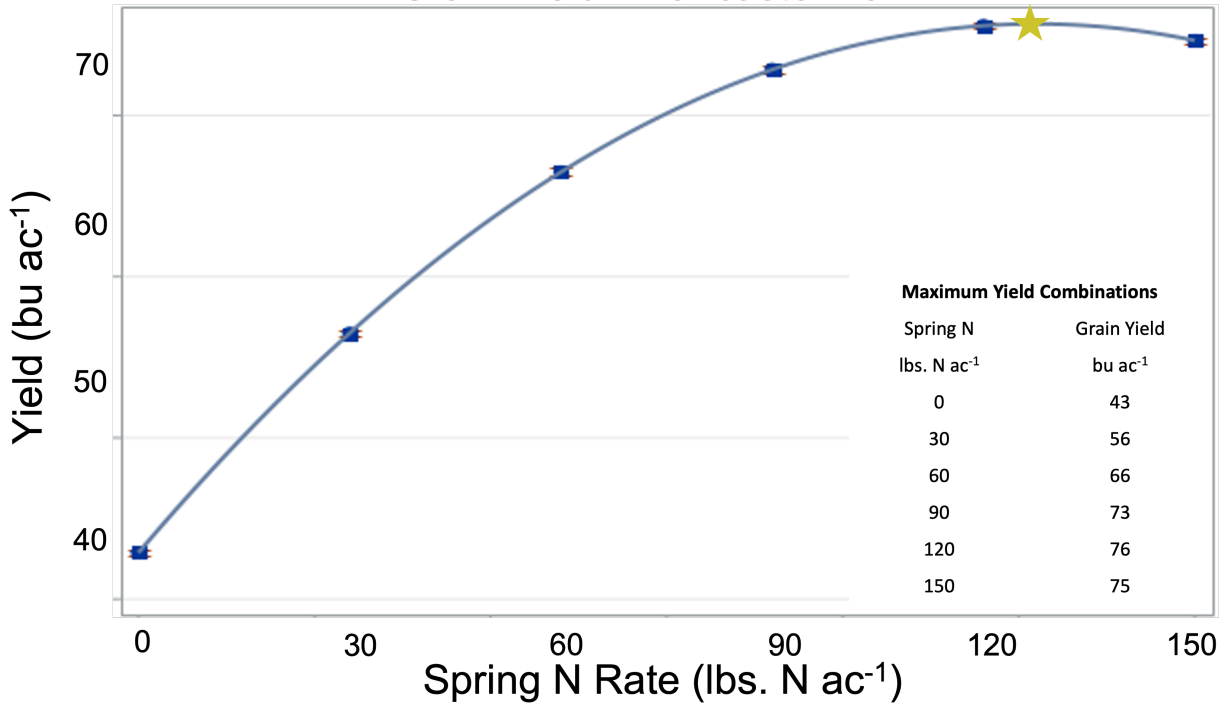


* Calculated using \$75 ton⁻¹ forage and \$1 lb. ⁻¹ urea.

Grain Yield – Arlington 2022

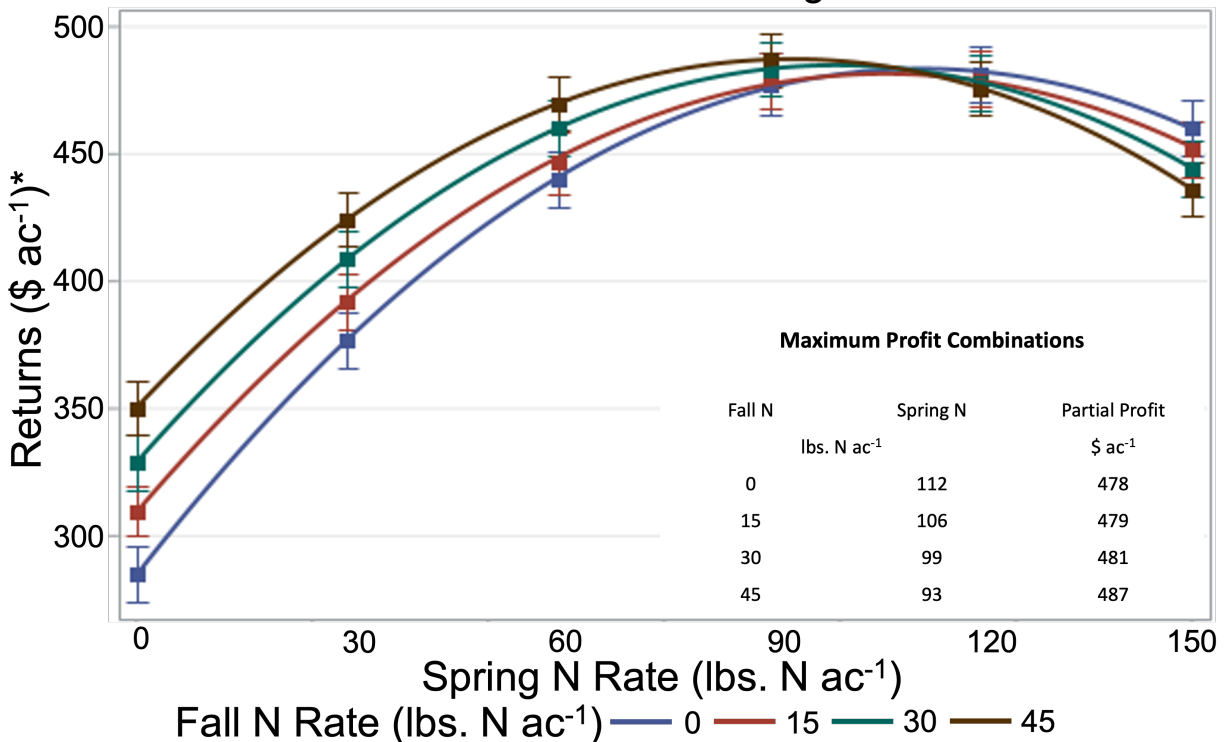


Grain Yield – Lancaster 2022



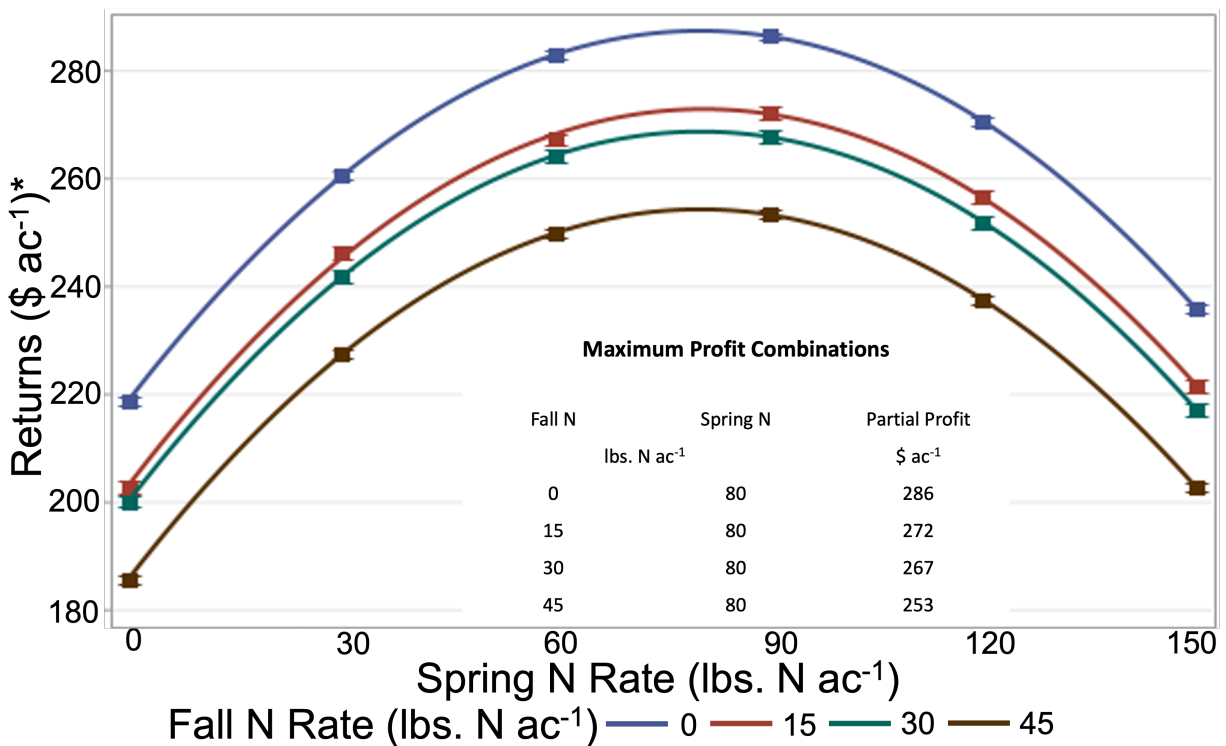
★ Maximum production reached at 128 lbs. N ac⁻¹ in the spring.

Grain Partial Profit – Arlington 2022



* Calculated using \$5.25 bu⁻¹ grain and \$1 lb. ⁻¹ urea.

Grain Partial Profit – Lancaster 2022



* Calculated using \$5.25 bu⁻¹ grain and \$1 lb. ⁻¹ urea.