



# Late Foliar Nitrogen Applications on Winter Wheat ( 21-903.2 )

## Experiment Info:

Planted:	10/9/2020
Harvest:	7/12/2021
Yield Goal:	100 bu/A
Target Fert.:	120-143-71
Variety:	SY-100
Population:	
Row Width:	30"
Prev. Crop:	Soybeans
Plot Size:	15 x 555
Replications:	4

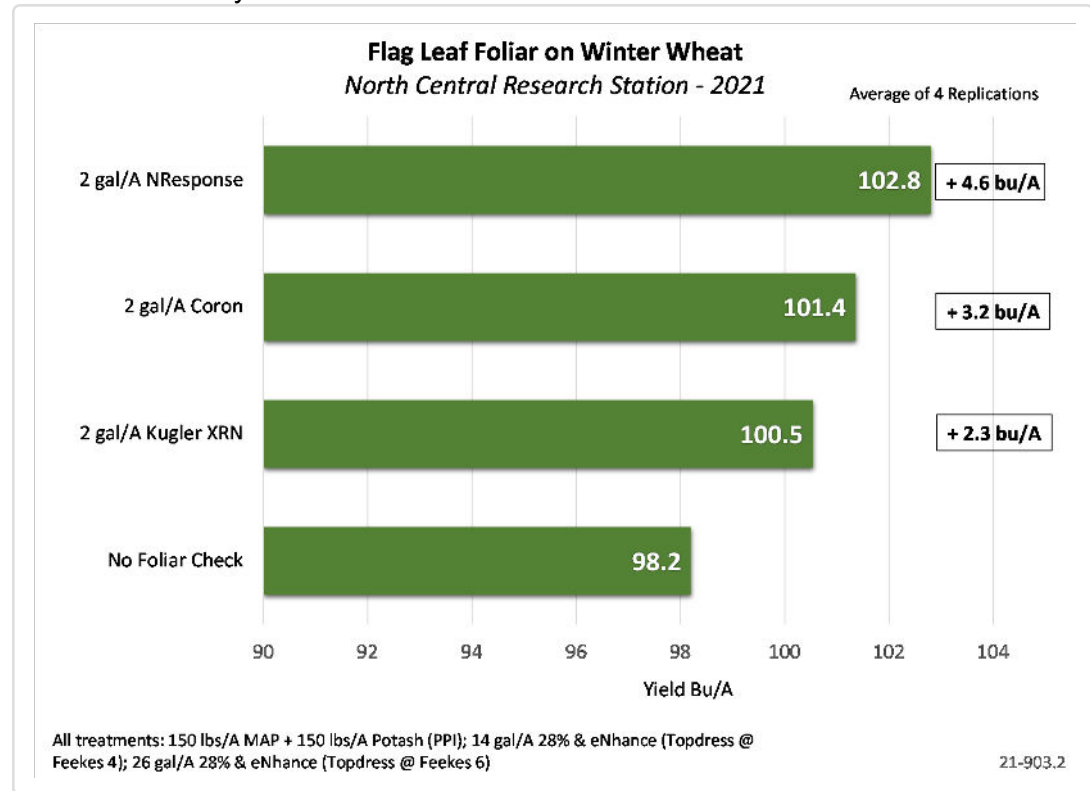
## Soil Test Values (ppm):

pH:	6.8
CEC:	7.9
%OM:	2.3
Bray P1:	7
Bicarb P:	0
K:	63
S:	3
%K:	2
%Mg:	21.5
%Ca:	76
%H:	0
Zn:	0.8
Mn:	5
B:	0.2

## Objective:

To determine the benefits and make comparisons of NResponse versus other foliar nitrogen sources when made at flag leaf timing on soft red winter wheat.

Plots were well established in the fall of 2020 with tram lines to allow for flag leaf foliar applications with a self propelled sprayer without damage to plot harvest area. A fall dry broadcast application of 150 lbs/A MAP and 150 lbs/A potash was applied and incorporated prior to seeding. Nitrogen was split applied as topdress applications with a total of 120 lbs/A of N. Treatments included 2 gal/A each of Kugler XRN, Coron or NResponse applied during the morning hours of May 30th with a sunny temperature of 60 degrees Fahrenheit using Turbo TeeJet nozzles @ 50 psi. Each treatment was applied with 8 gal/A of water and no fungicide was included in the application. No visual physiological leaf symptoms were observed with any of the treatments.



LSD(0.2)3.9,CV-4.2%

## Conclusions:

- A significant yield advantage was 4.6 additional bushels per acre using just 2 gal/A of NResponse as a foliar flag leaf application.
- All nitrogen products provided a yield advantage over the no foliar check in this study.