

**North Central Research Extension Center—Minot
2010 NDemand for Protein Enhancement on HRSW**

Jeremy Pederson, Area Extension Specialist/Cropping Systems

Trial information

- Design: RCB with four replicates
- Plot Size: 7' x 18'
- Planting Date/Rate/Variety: May 13, 1.3 M PLS per acre, RB07
- Previous Crop/Tillage: Wheat/Fall tilled with chisel plow spikes
- Seeding System: air hoe drill on 9 inch spacing
- Fertility: 217 lb/acre fall applied urea
- Treatment Application Date: July 7
- Application Equipment: CO₂ pressurized hand boom with 8001 flat fans @ 40 psi and 10 GPA
- Weed Control: 1.7 pt/acre Wolverine applied June 15
- Harvest Date: September 20

Treatment ¹	Timing	Rate gallon/acre	Test	Protein %	Yield bu/A
			Weight lb/bu		
Untreated	--	--	58.2	13.7	51.8
NDemand 30L	early flower	1.0	58.4	14.0	53.9
NDemand 30L	early flower	2.0	58.3	13.8	51.6
NDemand 30L	early flower	3.0	58.2	13.6	50.5
LSD 5%	--	--	NS	NS	NS
C.V.%	--	--	0.3	3.1	4.4
Mean	--	--	58.3	13.8	51.9

Spring soil test results (4/26/2010 sampling date): N= 143 lb/a (0-24"), P = 23ppm (0-6"), K = 440 ppm (0-6"), S = 46 lb/a (0-24"), OM = 5.6%

¹ *NIS at 0.25% v/v added with all treatments*