

North Central Research Extension Center

Biological Inputs in No-Till Spring Wheat at Minot

Company	Product	Application Timing	Application Rate oz/A	Seedling Vigor ¹ 1 - 3	Days to Head DAP ²	Plant Height inches	Lodging 0-9 ³	Test Weight lbs/bu	Grain Protein %	Grain Yield bu/A
	Untreated			1	45	34	0	61.7	15.0	70.8
Pathway Biologic	*Pathway Power Blend	Foliar - 4 lf	32	1	45	34	1	61.8	15.1	71.3
Gavilon	*Kelpak	Seed trt	8 oz/100 lbs	1	45	35	0	61.6	15.1	72.4
Gavilon	*Kelpak	Foliar - 4 lf	32	1	45	33	0	61.1	15.0	72.9
ATG	*FF-wheat / *Green Miracle	4 lf / flag lf	51 / 13.5	1	45	33	1	60.7	15.2	66.7
ATG	*FF-wheat + *Crop Booster / *Green Miracle	4 lf / flag lf	51 + 13.5 / 13.5	1	45	34	1	60.4	15.2	74.4
Trial Mean				1	45	34	0	61.4	15.1	71.6
C.V. %				0	1.1	4.8	95	1.3	1.2	7.9
LSD 5%				NS	NS	NS	NS	NS	NS	NS

*Pathway Power Blend is marketed by Pathway Biologic, LLC, Plant City, FL.

*Kelpak is marketed by Gavilon Fertilizer, Moorhead, MN.

*ATG Green Miracle, ATG FF-wheat and ATG Crop Booster are marketed by ASLE Technologies Group, Canada.

¹ Seedling Vigor: 1 = Good, 3 = Poor.

² DAP = Days after Planting.

³ Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between treatments.

Planting Date: May 3

Variety: Barlow HRSW

Harvest Date: August 12

Seeding Rate: 1.25 million live seeds / acre

Previous Crop: Soybean

Tillage: No-till

Soil Type: Williams loam