

## NewFields Ag™/NMS High Management Soybean Study

**Objective:** To evaluate the yield and economic impact of a soybean liquid starter fertilizer and foliar/biological nutritional program from NewFields Ag and Nutrient Management Specialists (NMS) in a high management non-irrigated environment. This trial consisted of the following:

### Treatments and Placement:

<b>#1. Control:</b>	200# DAP, 200# 0-0-60, Less R3 Fungicide, Less 40# N	
<b>#2 At-Plant Fertility:</b>	Terrasym 401 + DUST: Hopper Box Treatment	
FurrowJet® Center: (Figure 1.)	16oz/A. Rizosphere:	Microbial Fermentation Manure/Kelp
	16oz/A. Phenom®:	Endophyte Bacterial N Efficiency
	16oz/A. SoyFx™:	Bacteria, Archaea, and Fungi
	NMS Mix:	Fish, Kelp, Sea Crop
FurrowJet® Wings: (Figure 1.)	16oz/A. Frenzy™:	Antioxidant Enzyme/Stress Mitigation
	NMS Mix:	Moly, Biologicals, Zn/Mn SO4 32%
Conceal® Dual Band: (Figure 2.)	NMS Mix:	20 Gal/A. 9-45-16 w/micros
<b>#3 Foliar Applications:</b>	16oz/A. V4:	DB25 Frenzy
	NMS Mix: VT+R3:	26-8-16 w/micros + biologicals

Figure 1. FurrowJet® Placement

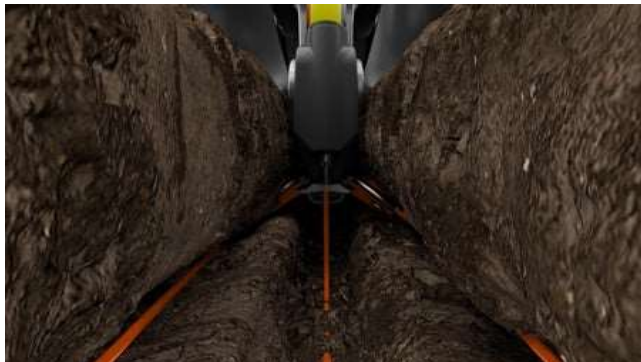


Figure 2. Conceal® Dual Band Placement

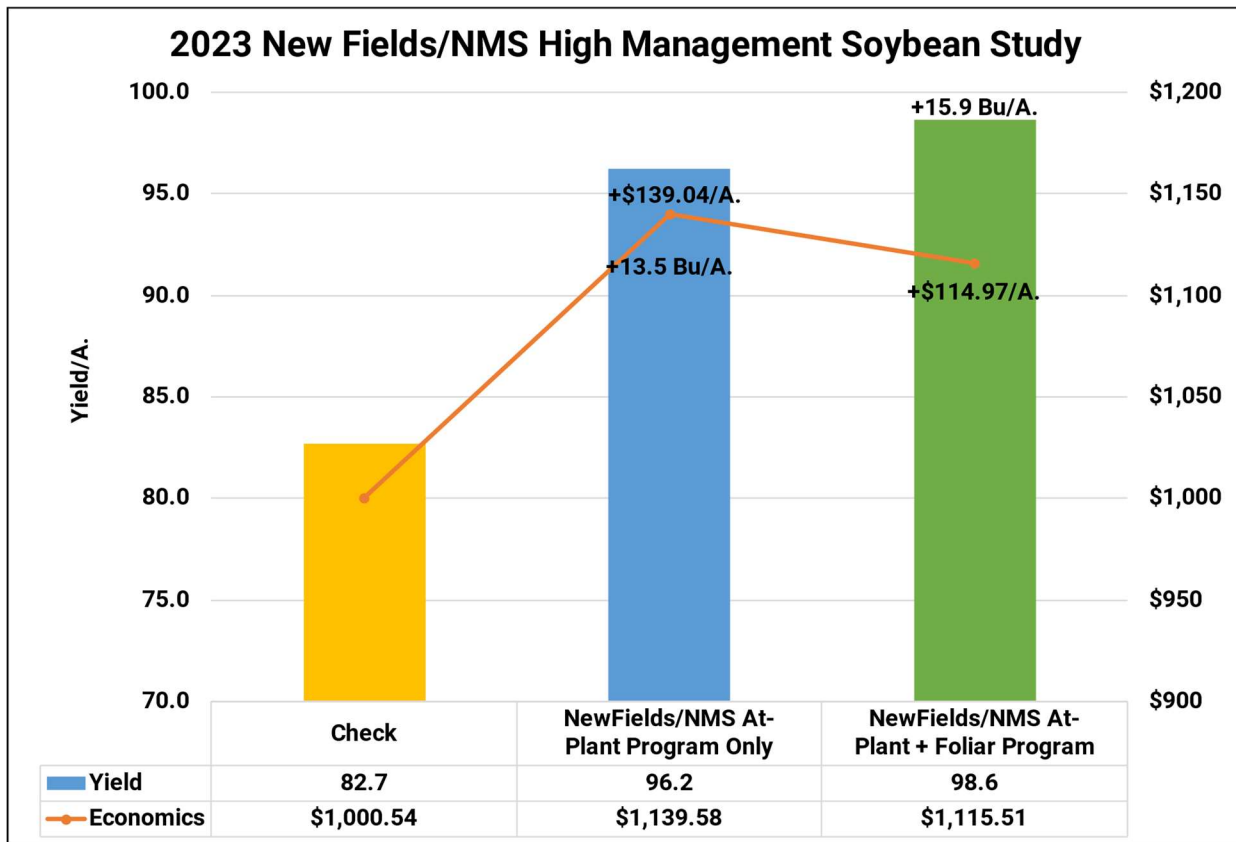


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All treatments received 5.00" of rain throughout the growing season as well as fungicide applications of 13.7oz/A. Miravis® Neo at R1 and 13.7oz/A. of TrivaPro® at R3 growth stages.

**Results:** At-Plant treatments resulted in yields of 96.2 Bu/A., +13.5 Bu/A. over the control. At-plant + foliar combination treatments pushed yield to 98.6 Bu/A., +15.9 Bu/A. over the control.

After all costs and application, at-plant nutritional treatments proved economic gains of +\$139.04/A., while the foliar/at-plant combination treatments tallied returns of +\$114.97/A.



Planting Date: April 20th Variety Asgrow 33FX3 Population: 120K Row Width: 30" Rotation: BAC SB Price: \$13.09 Irrigation: \$40/A.

At-Plant Program: \$79.68/A. Foliar Program: \$135.16/A. 100# DAP,100# Potash: \$82/A.