

NewFields Ag™/NMS High Management Corn Study: Irrigated

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

Treatments and Placement:

#1. Control:	200# DAP, 200# 0-0-60, Less R3 Fungicide, Less 40# N	
#2 At-Plant Fertility:	Terrasym 450 + DUST: Hopper Box Treatment	
FurrowJet® Center: (Figure 1.)	16oz/A. Rizosphere:	Microbial Fermentation Manure/Kelp
	16oz/A. Phenom®:	Endophyte Bacterial N Efficiency
	16oz/A. IonFx™:	Bacteria, Archaea, and Fungi
	NMS Mix:	Fish, Kelp, Sea Crop, + Fulvic Acid
FurrowJet® Wings: (Figure 1.)	16oz/A. Frenzy™:	Antioxidant Enzyme
		Stress Mitigation
	NMS Mix:	Seeder Heater, Moly,Yucca, Zn/Mn SO4
Conceal® Dual Band: (Figure 2.)	NMS Mix:	9-45-15 w/Micros
#3 Foliar Applications:	V4: NewFields	16oz/A. Frenzy™
	VT: NMS Mix:	26-8-16 w/Micros
	R3: NMS Mix:	26-8-16 w/Micros

Figure 1. FurrowJet® Placement



Figure 2. Conceal® Dual Band Placement



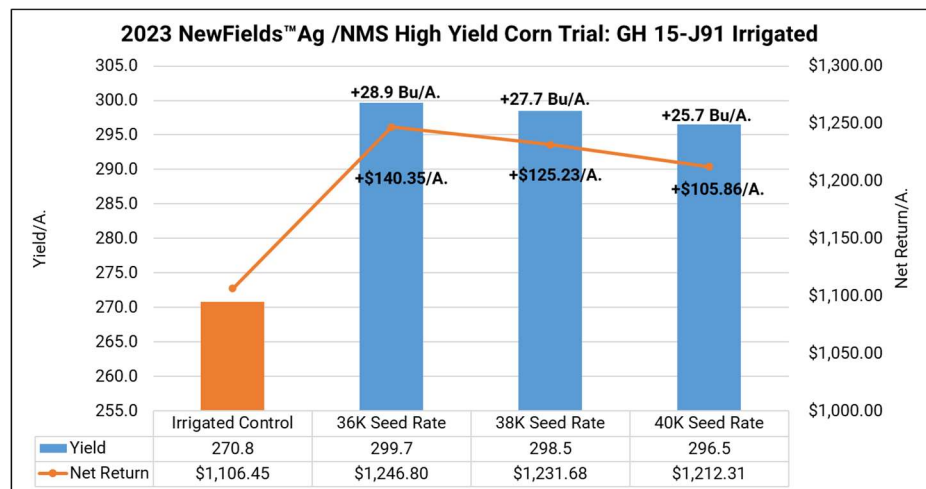
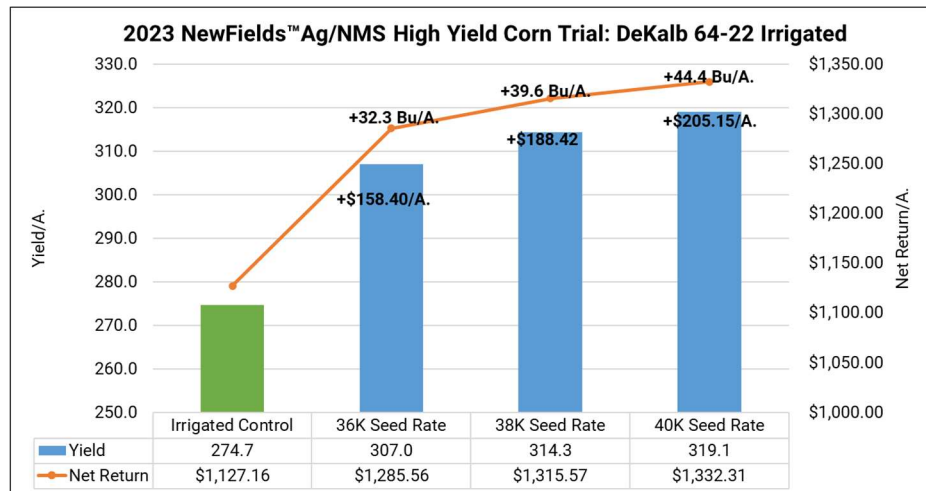
NewFields Ag™/NMS High Yield Study: Irrigated Continued

All controls were planted at 36K seeding rates, while NewFields Ag™/NMS treatments were evaluated at 36K, 38, and 40K seeding rates using both Golden Harvest 15J91 and DeKalb 64-22.

Irrigation on all treatments received 6" water throughout the growing season. All treatments received 13.7oz/A. of Miravis® Neo at VT and 13.7oz/A. of TrivaPro® at R3 growth stage.

Results: DeKalb 64-22 tallied exceptional yields averaging 274.7 to 319 Bu/A. Seedings rates should have been increased over 40K to fully understand agronomic and economic optimum, however highest yield and return came at 40K seeding rates with a yield of 319.1 Bu/A. and returns of +\$205.15/A. 40K seeding rates provided +12.1 Bu/A. over the low 36K rate.

Golden Harvest 15J91 offered both agronomic and economic return at the lowest 36K seeding rate with a yield of 299.7 Bu/A. and returns of +\$140.35/A. Yields only varied by 3.2 Bu/A. from high to low pops.



Planting Date: April 25th Hybrids: DeKalb 64-22VT2Pro, GH 15J91 Population: 36K,38K,40K Row Width: 30" Rotation: CAC Corn Price: \$5.31
 High Yield Program: \$121.51/A. DAP/Potash: \$870/\$770 N Price: \$0.88/# (\$35.20/A.) Fungicide+Water Conditioner: \$30.40/A.