



Wheat, Corn, and Soybean Trials Conducted at NC State University Featuring Arclin's NitroGain® Fertilizers

We now have two consecutive years of replicated field trials on wheat, corn and soybeans performed by the NCSU Vernon James Research and Extension Center. Results show that Arclin's NitroGain® SRN outperformed other nitrogen sources for the second year in a row.

WHEAT

2020

2021 (OM = 2.22%; CEC = 9.7)

N Source	Application Timing	Yield bu/a	N Source	Application Timing	Yield bu/a
NitroGain 28%	GS 40	93.6	Nitrogain 28%	Split GS 23 + 30	41
ESN	GS 40	90.6	UAN 30%	Split GS 23 + 30	23.6
UAN 28%	GS 40	88.6	ESN	GS 23	25.7
Check		84.5	Nitrogain 28%	GS 30	47.8
			ESN	GS 30	47.1
			UAN 30% (128 lbs/A)	GS 30	43.1
			UAN 30% (112 lbs/A)	GS 30	21.7
			Check		11.9

CORN

2020

2021 (OM = 4.4%; CEC = 13.0)

N Source	Application Timing	Yield bu/a	N Source	Application Timing	Yield bu/a
NitroGain 28% + Radiate + UAN 30%	In-Furrow	129.1	NitroGain 30% + Biologicals	In-Furrow	222.1
NitroGain 28% + UAN 30%	Sidedress	127.5	NitroGain 30%	2x2 Band	214.2
10-27-0 + Rotech + UAN 30%	In-Furrow	115.7	17-17-0	2x2 Band	208.4
NitroGain 28%	Sidedress	139.3	NitroGain 30%	V6	227
ESN	V4 Sidedress	120.8	UAN 30% (44 gal)	V6	219.7
UAN 30%	V4 Sidedress	120.7	Urea	V6	218.5
Check		79.2	Check - UAN 30% (35 gal)	V6	210.3



SOYBEANS

2020

2021 (OM = 4.23%; CEC = 11.4)

N Source	Application Timing	Yield bu/a	N Source	Application Timing	Yield bu/a
NitroGain 28%	In-Furrow	66.4	NitroGain 30%	In-Furrow	49.3
NitroGain 28% + Gibb Acid	In-Furrow	64.8	10-34-0	In-Furrow	45.8
10-27-2000	In-Furrow	61.3	NitroGain 30%	2x2	45.7
NitroGain 28%	R3	76.8	ESN	R3	46.7
AMS	R3	70.3	NitroGain 30%	R3	42.4
ESN	R3	69.7	AMS	R3	40.8
Check		56.6	Check		41

DID YOU KNOW?

Growers are eligible for **payments of up to \$10 - \$15+/A (can be more based on the county within your state)** when implementing enhanced efficiency fertilizers (EEFs) through the USDA’s Conservation Stewardship Program (E590A) – and Arclin’s NitroGain® fertilizers qualify for these payments! Visit the Financial Assistance section on the NRCS-USDA website at <https://www.nrcs.usda.gov>.

As Regenerative Agriculture takes root, more agrifood companies are pledging to source grains from their farming partners who leverage cover cropping, rotational grazing, and other regenerative agriculture practices that aim to restore soil health, increase biodiversity, and have the potential to pull carbon out of the air and store it in the ground. One prime example is the agrifood giant Smithfield Foods who announced in 2020 that they will source at least 75% of grain grown in the U.S. from their farming partners who utilize efficient fertilizers. Arclin’s NitroGain qualifies as an efficient fertilizer.

CONTACT

Call us anytime at **877.689.9145** if you have questions or for pricing information.