

Sampling and analysis in 2022

- Soil pre-planting;
- Cover crop biomass;
- Stand count;
- V4 and R6 biomass;
- Seed yield;
- Cover crop tissue analysis;
- Tissue analysis in V4, R3 and R6;
- Chemical analysis of grains;
- Soil post-harvest.



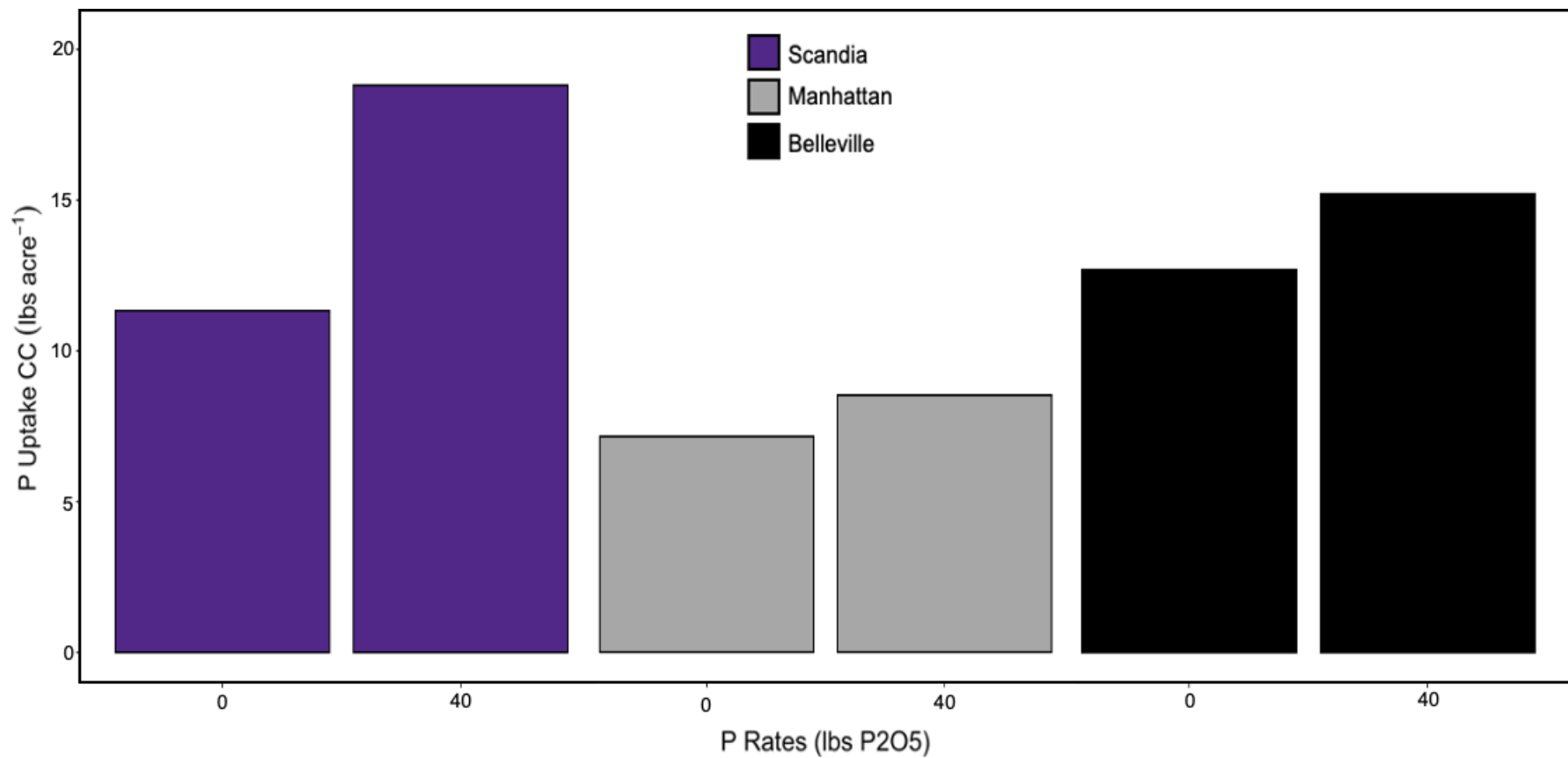
Soil Pre-plant 2022

Location	pH	P-M (ppm)	Total P (ppm)	OM (%)	Sand (%)	Silt (%)	Clay (%)
Scandia	5.8	2.75	336.25	3.675	15	67.25	17.75
Manhattan	5.7	16.75	404.75	2.675	18.5	61.25	20.25
Belleville	5.3	78.75	484.75	3.25	14.75	64.75	20.5

Project development in 2022

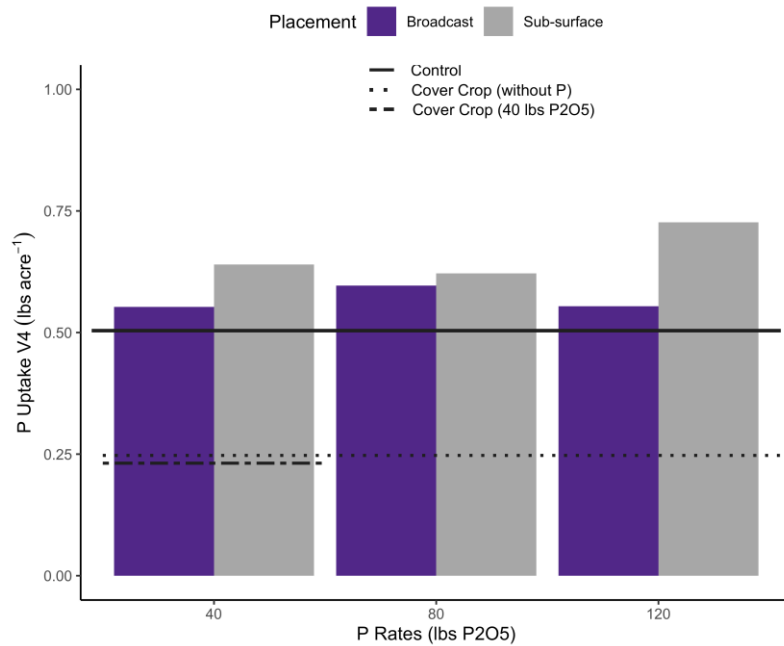


Cover Crop Phosphorus Uptake

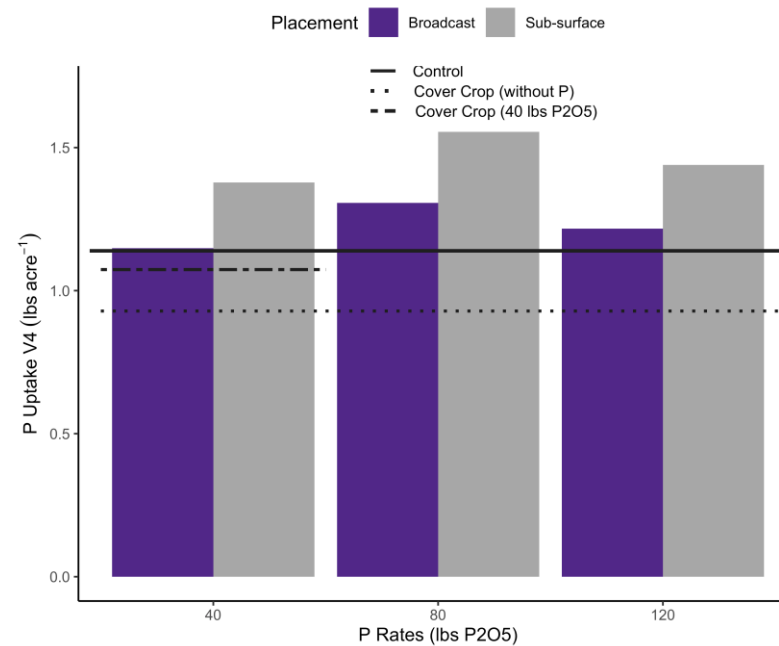


V4 Phosphorus Uptake

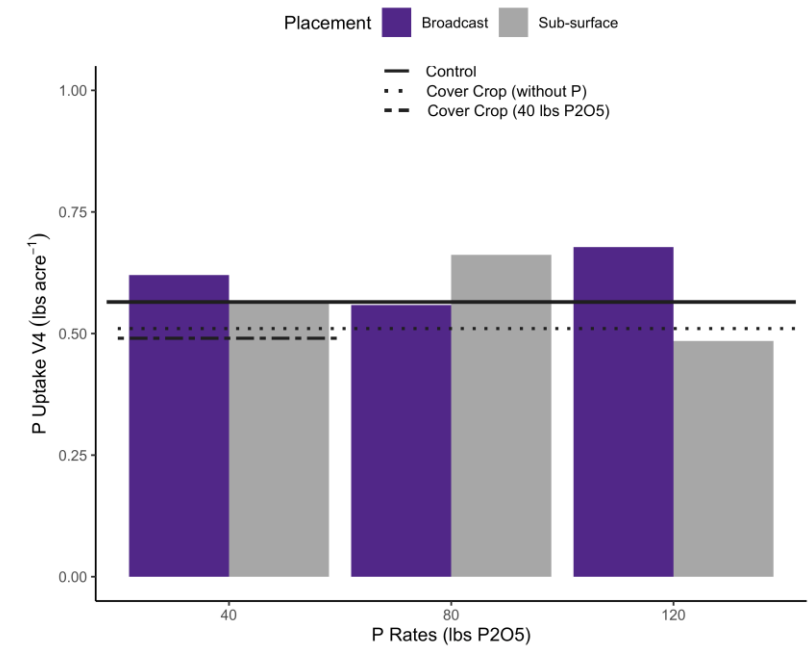
Scandia



Manhattan



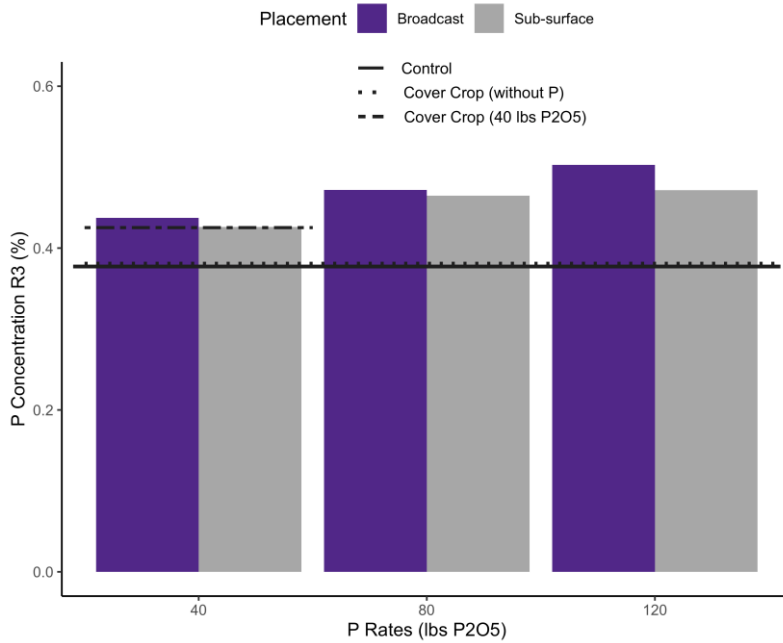
Belleville



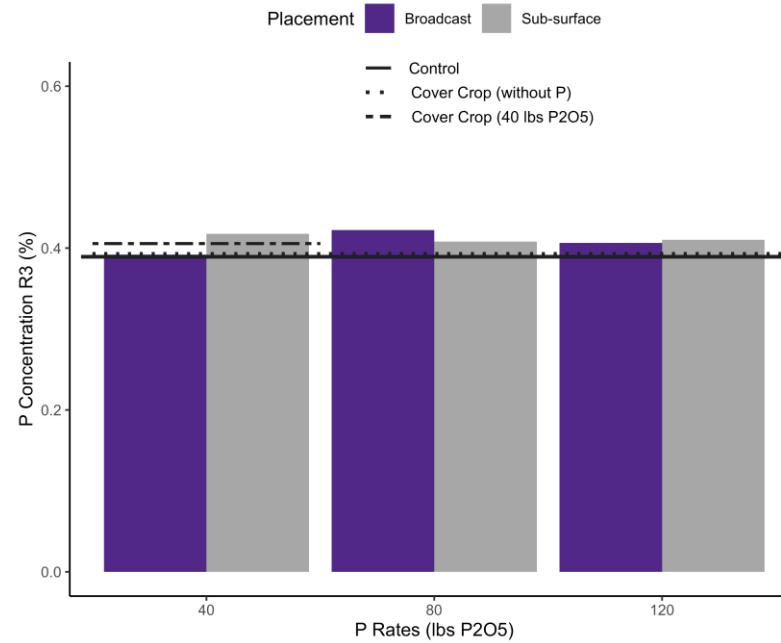
Obs.: Manhattan was sampled in V5.

R3 Phosphorus Concentration

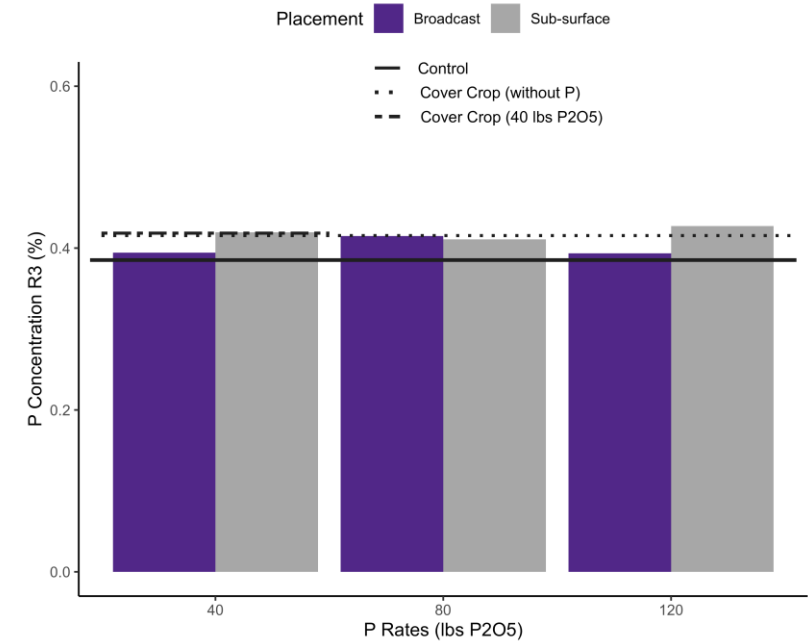
Scandia



Manhattan

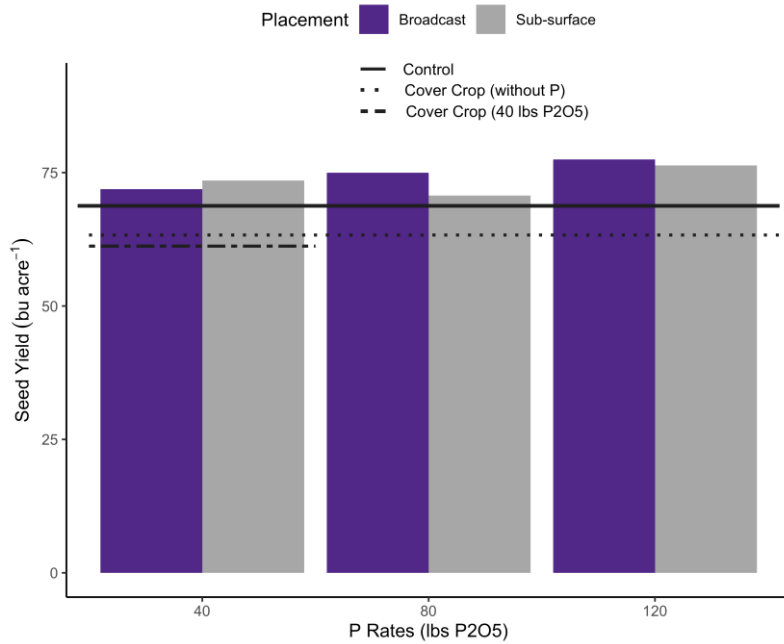


Belleville

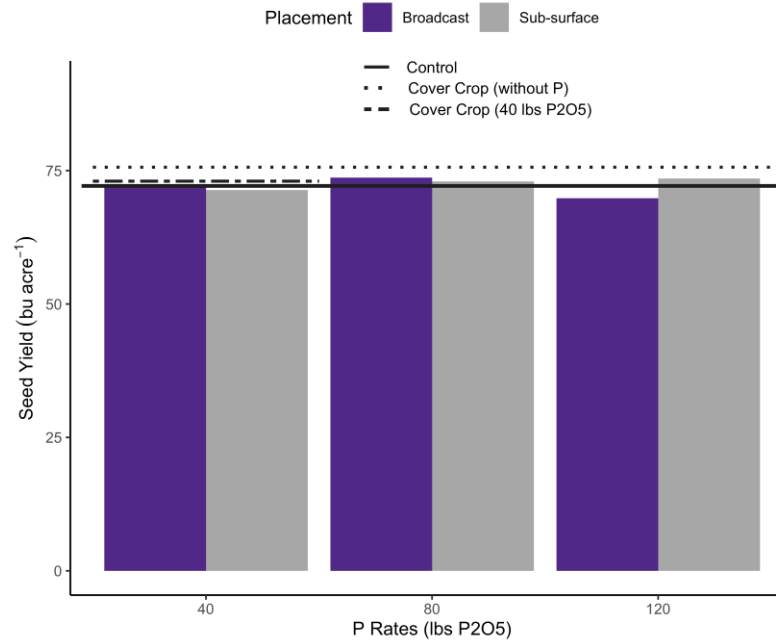


Seed Yield

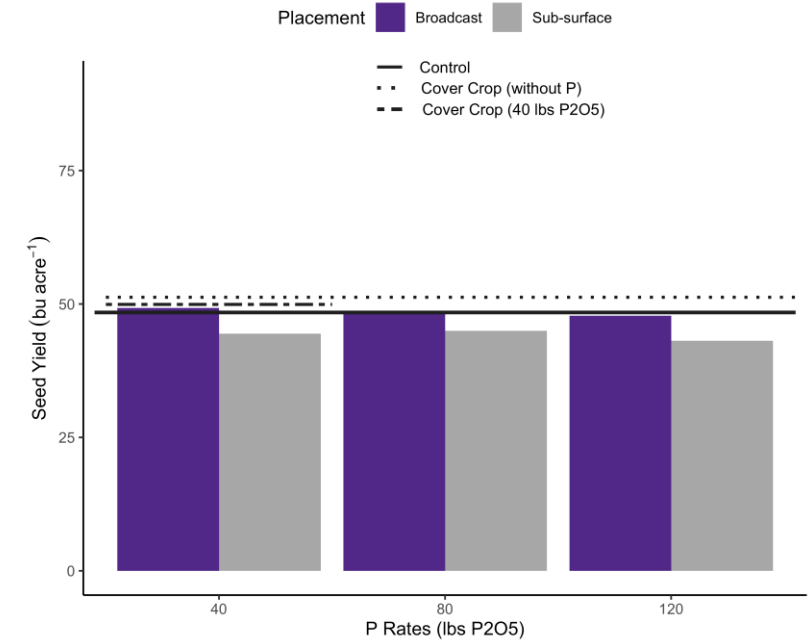
Scandia



Manhattan

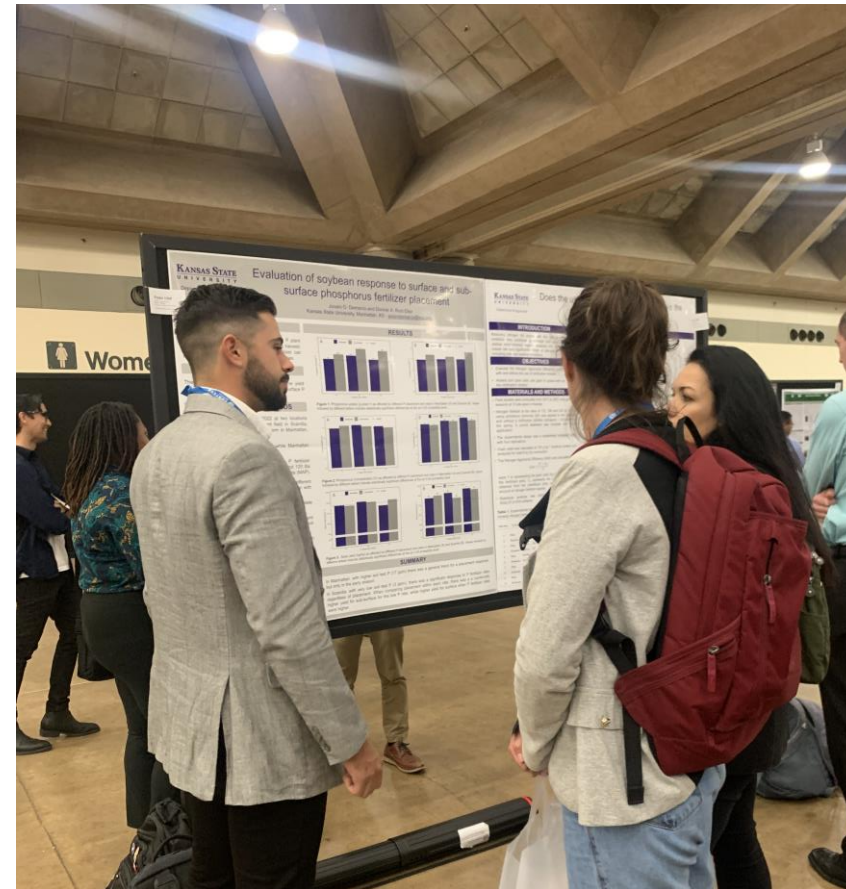
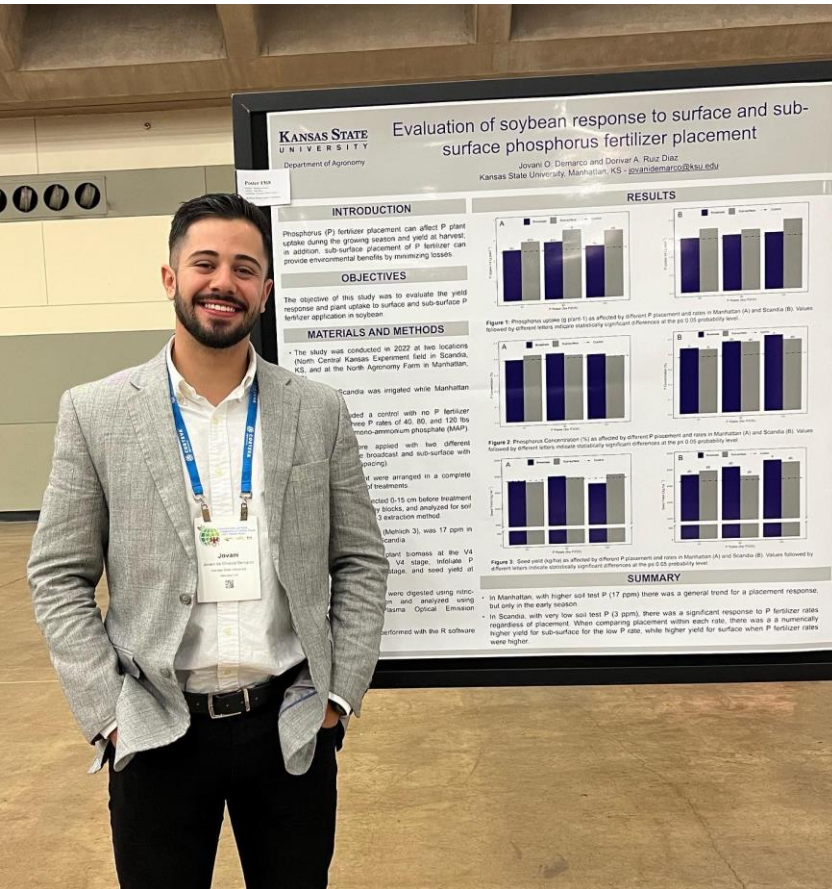


Belleville

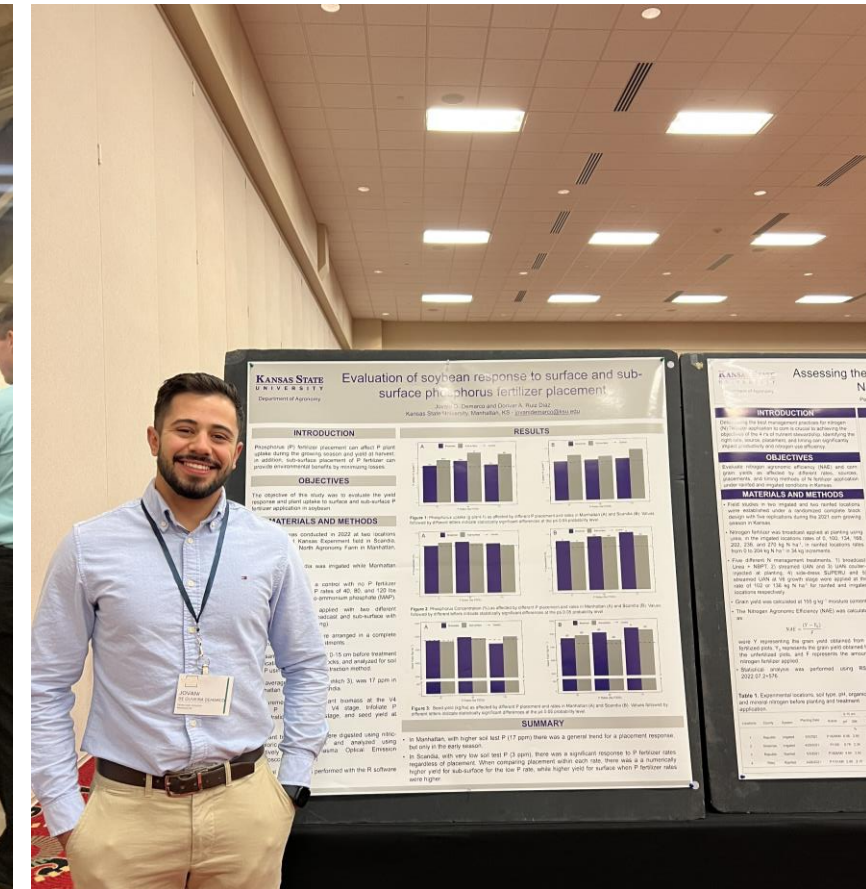


Presentation of the study at conferences and meetings

2022 ASA, CSSA, SSSA International Annual Meeting



52nd North Central Soil Fertility Conference



Sites for 2023

Location	Coordinates		Triticale Planting	Oat Planting	Soybean planting
Manhattan	39°12'42.3"N	96°35'50.8"W	November 3, 2022	Spring 2023	Spring 2023
Ottawa	38°32'12.8"N	95°14'41.4"W	November 3, 2022	Spring 2023	Spring 2023
Silver Lake	39°04'27.9"N	95°46'06.6"W	November 11, 2022	Spring 2023	Spring 2023
Hutchinson	37°56'36.5"N	98°06'41.4"W	November 21, 2022	Spring 2023	Spring 2023
Scandia South Unit	39°47'59.4"N	97°50'25.3"W	November 22, 2022	Spring 2023	Spring 2023
Scandia Headquarters	39°49'52.8"N	97°50'28.9"W	November 22, 2022	Spring 2023	Spring 2023