

Table 1. Site characteristics and trial activities.

Parameter/ activity	Corn		Soybean
	2024	2025	2024
Soil test			
pH	6.6	6.2	6.1
OM (%)	2.2	2.5	2.0
P (ppm)	43	51	25
K (ppm)	74	111	67
Ca (ppm)	1,446	1,401	1,059
Mg (ppm)	308	218	176
Applied nutrients (lb/a)*			
N	145	139	13
P ₂ O ₅	30	-	-
K ₂ O	90	106	128
S	15	21	15
Planting			
Hybrid/ Variety	Renk 710DGVT2P		Renk 2480E
Maturity	105		2.4
Rate (seeds/acre)	32,100		148,000
Date	5/17	5/8	5/31
Rye biomass at planting			
AGB (lb/a)	1,873	1,237	2,342
Height (in)	26.0	15.2	40.4
Canopy (%)	45.1		32.9
Sampling dates			
AGB	5/12	5/8	5/31
Emergence			
First	5/25	5/18	6/6
50%	5/26	5/21	6/7
Final	5/28	5/24	6/10
Stand			
30 DAE	6/25	6/24	7/8
Final	10/27	11/6	10/4
R1 tissue	8/5	7/25	8/5
Harvest	10/27	11/6	10/4
Other field operations			
Rye termination	5/20	5/14	6/12
POST application	6/27	6/6	6/12
N application	6/27	6/25	-

* Applied nutrients banded at planting, N split, 120 lb applied in-season.