

Table 1. Site characteristics and field activities, 2023.

Parameter/ activity by site (S)	2022-23		
	S1	S2	S3
Location	Palmyra	Palmyra	East Troy
Lat.	42.90577	42.91444	42.81188
Long.	-88.57837	-88.57296	-88.48787
Soil	KeB	KeB	FsA
pH	7.0	7.2	6.1
OM (%)	1.3	2.1	2.3
P (ppm)	78	75	41
K (ppm)	100	159	108
S (ppm)	3.2	3.0	3.1
Previous Corn			
Hybrid	G. Harvest G02K39-5122	Pioneer P0075AM	Renk RK710DGVT2P
RM	102	102	106
Planting date	5/10/22	5/8/22	5/9/22
Harvest date	10/27/22	10/27/22	11/30/22
Total N (lb./a)	157	160	147
Yield (bu./a)	165	172	183
Cereal rye			
Planting	10/29/22	10/29/22	12/3/22
Row width (in)	10	7.5	7.5
Termination			
Preplant ⁽¹⁾	5/4	5/4	5/5
VE (soybean emergence)	5/22	5/22	5/23
VE+7	5/29	5/29	5/30
VE+14	6/5	6/5	6/6
VE+21 (anthesis)	6/13	6/13	6/13
Soybean			
Variety	G. Harvest 22-92E3	Pioneer P18A73E	Renk G2270E
Planting date	5/10	5/10	5/12
Seeding rate (seeds/a, x1000)	130	146	148
Row width (in)	30	30	30
Weed density 1 (preapplication)	6/28	6/28	6/29
Postemergence application	6/30	6/29	6/29
Weed density 2 (preharvest)	10/10	10/2	10/5
Harvest	10/11	10/3	10/5

(1) Includes residual herbicide application to all treatments.