

**Table 1. Trial site information, 2022.**

County	Site		Location		System	Response		Planting		Termination		Soil Type	Drainage Class**	Soil test						
	ID	City	Lat.	Long.		Crop	Comparison	Date	Rate	Date	Timing*			pH	OM	P	K	Ca	Mg	S
Dodge								2021						%						
	DG01	Watertown	43.23308	-88.834867	Rye after corn	Soybean	Rate: 50 vs.80	11/11		5/8	PP	Ph	P	7.6	3.2	17	114	2453	807	3.0
	DG02	Beaver Dam	43.48275	-88.782639	Rye after corn	Soybean	Rate: 31 vs. 62	10/25		5/13	PRE	PtA	W	6.2	4.6	190	307	2054	492	3.5
	DG03	Beaver Dam	43.48275	-88.782639	Rye after corn	Soybean	Placement	10/25	31	5/13	PRE	MsB	W	6.2	4.6	190	307	2054	492	3.5
	DG04	Juneau	43.332528	-88.733861	Rye after corn	Soybean	Rate: 28 vs. 56	11/2			PRE	EbA	SP	6.3	3.4	82	255	1964	602	2.5
	DG05	Juneau	43.332528	-88.733861	Rye after corn	Soybean	Placement	11/2	28		PRE	Ph	P	6.3	3.4	82	255	1964	602	2.5
Jefferson														ppm						
	JF01	Jefferson	43.027807	-88.847123	Rye after soybean	Corn	Rate: 50 vs. 100	10/31		5/28	LP	Wa	VP	6.5	2.6	60	195	1841	454	2.2
	JF02N	Palmyra	42.90485	-88.58026	Rye after corn	Corn	N rate: 120 vs 160	11/8	45	5/14	EP	KeB	W	6.8	1.4	79	66			
	JF02H	Palmyra	42.90485	-88.58026	Rye after corn	Corn	N rate: 120 vs 160	11/8	45	5/14	EP	KeB	W	6.8	1.4	79	66			
	JF03	Palmyra	42.909438	-88.567675	Rye after corn	Soybean	Term. Timing	11/10	40	5/7, 6/11	PP/LP	WmA	SP	7.0	1.9	64	100	1548	222	4.1
	JF04	Palmyra	42.909438	-88.567675	Rye after corn	Soybean	Term. Timing	11/10	80	5/7, 6/11	PP/LP	JuB	W	7.0	1.9	64	100	1548	222	4.1
	JF05	Palmyra	42.912134	-88.574692	Rye after corn	Soybean	Rate: 40 vs 80	10/27		5/7	PP	KeB	W	7.1	1.5	139	143	1312	162	3.7
	JF06	Palmyra	42.912134	-88.574692	Rye after corn	Soybean	Rate: 40 vs 80	10/27		6/11	LP	KeB	W	7.1	1.5	139	143	1312	162	3.7
	JF07	Palmyra	42.90783	-88.58541	Rye after corn	Soybean	Rate: 40 vs 80	10/18		5/7	PP	KeB	W	7.0	1.5	94	135	1341	188	3.2
	JF08	Palmyra	42.90783	-88.58541	Rye after corn	Soybean	Rate: 40 vs 80	10/18		6/11	LP	KeB	W	7.0	1.5	94	135	1341	188	3.2
	JF09	Milford	43.1388251	-88.861321	Rye after soybean	Corn	Rate: 30 vs. 150	10/31		5/14	YaA	SP	P	7.5	3.6	41	133	2650	487	3.9
	JF10	Milford	43.131889	-88.859326	Rye after corn	Soybean	Rate: 30 vs. 150	11/15		5/12	PRE	Kb	P	7.4	4.2	46	191	2803	472	9.7
	JF11	Palmyra	42.90151	-88.57951	Rye after soybean	Corn	Cover vs. no cover	10/19	45	5/14	PRE	KeC2	W	6.8	1.5	67	88			
Racine																				
	RC01	Rochester	42.73147	-88.22292	Rye after soybean	Corn	Rate: 50 vs. 80	11/30		6/6	PRE <sup>1</sup>	FsA	W	5.9	1.9	147	192	1223	256	4.4
	RC02	Rochester	42.73344	-88.22166	Rye after corn	Corn	Term. Timing	12/2	50	5/5, 6/6	PP/PRE <sup>1</sup>	FsA	W	5.4	1.7	22	109	903	167	3.7
	RC03	Rochester	42.73344	-88.22166	Rye after corn	Corn	Term. Timing	12/2	80	5/5, 6/6	PP/PRE <sup>1</sup>	FsA	W	5.4	1.7	22	109	903	167	3.7
	RC04	Kansasville	42.73852	-88.13427	Rye after corn	Soybean	Rate: 40 vs. 80	11/6		5/16	PRE	VaB	W	6.5	3.9	8	118	2253	592	2.8
	RC05	Waterford	42.77359	-88.15383	Rye after corn	Soybean	Rate: 40 vs. 80	11/30		6/18	LP	MgA	SP	7.1	3.3	345	249	2371	600	3.3
	RC06	Waterford	42.77492	-88.15392	Rye after corn	Soybean	Rate: 40 vs. 80	11/30		6/18	LP	AtA	P	6.2	4.8	48	125	2429	646	6.4
Rock																				
	RK01	Janesville	42.73366	-89.03031	Rye after soybean	Corn	Rate: 50 vs. 100	9/13		5/9	PRE	PmB	W							
	RK02	Janesville	42.73126	-89.02042	Rye after corn	Soybean	Rate: 50 vs. 100	9/13		5/9	PP	PmB	W	5.8	3.1	48	205	1768	491	9.6
	RK03	Beloit	42.50667	-88.95667	Rye after soybean	Corn	Rate: 50 vs. 80	9/30		4/19	PP	PeB2	W	5.9	1.8	62	125	1560	480	2.6
	RK04	Johnstown	42.69882	-88.84241	Wheat after soybean	Corn	Rate: 60 vs. 120	10/12		4/19	PP	SaB	W	6.4	2.0	122	234	1615	399	2.1
Walworth																				
	WW01	East Troy	42.81432	-88.47961	Rye after corn	Soybean	Term. Timing	11/7	40	5/7, 6/11	PP/LP	FsA	W	6.0	1.9	57	90	1559	363	4.5
	WW02	East Troy	42.81432	-88.47961	Rye after corn	Soybean	Term. Timing	11/7	80	5/7, 6/11	PP/LP	FsA	W	6.0	1.9	57	90	1559	363	4.5
	WW03	East Troy	42.81546	-88.4903	Rye after soybean	Corn	Term. Timing	11/6	50	5/8, 5/19	PP/EP	FsA	W	6.1	1.9	40	91	1299	175	2.7
	WW04	East Troy	42.81546	-88.4903	Rye after soybean	Corn	Term. Timing	11/6	80	5/8, 5/19	PP/EP	FsA	W	6.1	1.9	40	91	1299	175	2.7

\*Termination codes:

PP, preplant  
 PRE, preemergence  
 EP, early post (< 1 week)  
 LP, late post (> 1 week)

\*\* Drainage class codes

W, well drained  
 SP, somewhat poorly drained  
 P, poorly drained  
 VP, very poorly drained

(1) Planting and termination delayed by wet conditions, rye unusually mature for a typical PRE termination.