

Table 2. Trial summary and prices used in the economic analysis, 2022-2024.

Resp.	Prev.	Cover	Comparison	Trials	Input/ output prices					
Crop	Crop	Crop	Variable	n	Item	Unit	2022	2023	2024	Mean
Corn				26	Rye seed	\$/lb	0.19	0.19	0.20	0.19
	Soybean	C. rye	Seeding rate	6	"Mix" seed (mean)	\$/lb		2.05	2.05	2.05
	Soybean	C. rye	Term. timing	8						
	Soybean	C. rye	N rate ⁽¹⁾	2	Establishment					
					Drill	\$/a	18.43	18.60	18.80	18.61
	Corn	C. rye	No cover vs. cover	6	Air seeder	\$/a	22.16	23.27	24.43	23.29
	W. wheat	Mix ⁽²⁾	N rate	4	Termination					
Soybean				48	Glyphosate, rate	oz/a	31.3	32.0	32.0	31.78
					Glyphosate, cost	\$/a	9.96	6.86	4.60	7.14
	Corn	C. rye	Seeding rate	16	AMS (2 lb/a)	\$/a	0.90	0.92	0.83	0.88
		C. rye	Term. timing	24	Application	\$/a	7.86	7.88	8.00	7.91
		C. rye	Seed placement ⁽³⁾	2						
		C. rye	No cover vs. cover	2	Drying	\$/pt./bu	0.069	0.058	0.062	0.06
	Soybean	C. rye	Seeding rate	3	Hauling	\$/bu	0.130	0.137	0.143	0.14
	W. wheat	C. rye	Seeding rate	1	Nutrient removal					
Cereal rye					P ₂ O ₅ ⁽⁴⁾	\$/lb	0.525	0.606	0.601	0.58
					K ₂ O	\$/lb	0.486	0.544	0.383	0.47

1). N rate, differential rates applied to corn.

2). Mix, proprietary multi-species mixture.

3). Seed placement, rye planted in 3-row band, in-row vs. between rows.

4). Nitrogen price used for N response trials and to calculate P₂O₅ component value of diammonium phosphate fertilizer.