

**Table 3. Individual trial site results: cover crop AGB, response crop yield and response ratios, 2022.**

Site ID/ County	Response crop	Management comparison <sup>(1)</sup>	2022 Precip. region <sup>(2)</sup>	AGB (lb/a)			Yield (bu/a)				Response ratio	
				Cover 1	Cover 2	<i>p&gt;f</i>	No cover	Cover 1	Cover 2	<i>p&gt;f</i>	Cover 1	Cover 2
Dodge County												
DG01	Soybean	Rate: 50 vs. 80	N	96	144	0.097	62.9	63.3	63.7	0.742	1.006	1.013
DG02	Soybean	Rate: 31 vs. 62	N	584	747	0.317	62.4	63.6	63.2	0.259	1.019	1.013
DG03	Soybean	Placement <sup>(3)</sup>	N	649	665	0.768	62.4	63.2	63.4	0.409	1.013	1.016
DG04	Soybean	Rate: 28 vs. 56	N	259	306	0.414	75.1	77.8	78.1	0.080	1.036	1.040
DG05	Soybean	Placement <sup>(3)</sup>	N	248	231	0.608	75.1	76.4	76.0	0.279	1.017	1.012
Jefferson County												
JF01	Corn	Rate: 50 vs. 100	N	2072	2026	0.930				Pending		
JF02- normal N	Corn	N rate: 120 vs. 160	SC	107			165.1	167.7		0.260	1.016	
JF02- high N	Corn	N rate: 120 vs. 160	SC	98			174.4	175.2		0.563	1.005	
JF03	Soybean	Term. Timing: PP vs. LP <sup>(4)</sup>	SC	201	2139	0.015	56.7	62.6	50.8	0.024	1.104	0.896
JF04	Soybean	Term. Timing: PP vs. LP	SC	236	2526	0.007	59.2	57.1	48.2	0.016	0.965	0.814
JF05	Soybean	Rate: 40 vs. 80	SC	271	480	0.035	62.9	63.0	65.2	0.519	1.002	1.037
JF06	Soybean	Rate: 40 vs. 80	SC	3451	3633	0.522	61.9	53.5	49.9	0.001	0.864	0.806
JF07	Soybean	Rate: 40 vs. 80	SC	118	136	0.454	61.3	63.5	65.3	0.316	1.036	1.065
JF08	Soybean	Rate: 40 vs. 80	SC	2296	1824	0.177	64.3	58.4	60.6	0.276	0.908	0.942
JF09	Corn	Rate: 30 vs. 150	SC	1041	1770	0.020				Abandoned		
JF10	Soybean	Rate: 30 vs. 150	N	944	1146	0.451	62.7	60.8	60.3	0.184	0.970	0.962
JF11	Corn	Cover vs. no cover	SC	210			199.8	196.1		0.080	0.981	
Racine County												
RC01	Corn	Rate: 50 vs. 80	SE	2182	2707	0.121	188.5	190.0	180.3	0.343	1.008	0.956
RC02	Corn	Term. Timing: PP vs. PRE	SE	229	1899	0.002	190.5	193.5	186.7	0.724	1.016	0.980
RC03	Corn	Term. Timing: PP vs. PRE	SE	258	2286	0.010	189.8	197.5	172.4	0.002	1.041	0.908
RC04	Soybean	Rate: 40 vs. 80	SE	454	616	0.180	61.7	63.8	63.7	0.423	1.034	1.032
RC05	Soybean	Rate: 40 vs. 80	SE	2353	2539	0.593	61.0	57.5	61.6	0.234	0.943	1.010
RC06	Soybean	Rate: 40 vs. 80	SE	2353	2539	0.593	68.2	62.5	60.2	0.037	0.916	0.883
Rock County												
RK01	Corn	Rate: 50 vs. 100	SW	1121	1477	0.294				Pending		
RK02	Soybean	Rate: 50 vs. 100	SW	435	339	0.377				Pending		
RK03	Corn	Rate: 50 vs. 80	SW	621	487	0.448	223.1	213.9	215.5	0.001	0.959	0.966
RK04	Corn	Rate: 60 vs. 120	SW							Abandoned		
Walworth County												
WW01	Soybean	Term. Timing: PP vs. LP	SC	50	2370	0.012	63.3	61.8	53.0	0.075	0.976	0.837
WW02	Soybean	Term. Timing: PP vs. LP	SC	76	2450	<0.001	60.3	62.2	49.6	0.029	1.032	0.823
WW03	Corn	Term. Timing: PP vs. EP	SC	98	1091	0.008	222.8	224.5	212.9	0.251	1.008	0.956
WW04	Corn	Term. Timing: PP vs. EP	SC	127	1226	0.001	222.8	219.0	212.8	0.505	0.983	0.955

<sup>(1)</sup> Cover 1 vs. Cover 2

<sup>(2)</sup> References grouping of NWS Reporting Stations and precipitation amounts reported in Table 2.

<sup>(3)</sup> Placement: In-row vs. between rows, references rye establishment in advance of 2022 response.

<sup>(4)</sup> Individual site termination timings are reported in Table 1; PP, preplant; PRE, preemergence; EP, early postemergence; LP, late postemergence.