

**Table 2. Crop response to cover crop, 2017 -2019.**

Case #	Location	Target Crop	Cover Crop AGB* (lb/a)	Comparisons (n)	Crop Yield Response (bu/a)**		Increase/ decrease (%)	Significance (p>f)***	
					With	Without			
<b>2017 Response Year</b>									
1	Palmyra	Corn	398	4	195.8	185.9	9.9	5.3	0.2322, ns
2	Palmyra	Corn	****	4	229.2	223.0	6.2	2.8	0.1897, ns
3	East Troy	Corn	1,535	4	207.7	207.9	-0.2	-0.1	0.9489, ns
4	Palmyra	Corn	180	3	176.5	170.6	5.9	3.5	0.4760, ns
5	Palmyra	Corn	180	3	200.5	193.9	6.6	3.4	0.6489, ns
6	Palmyra	Corn	320	3	172.9	173.7	-0.8	-0.5	0.7001, ns
<b>2018 Response Year</b>									
7	Palmyra	Corn	****	3	190.7	186.7	4.0	2.1	0.1957, ns
8	Cottage Grove	Corn	3,498	3	229.2	210.8	18.4	8.7	0.0195
9	Palmyra	Soybean	****	3	70.8	70.2	0.6	0.9	0.3183, ns
10	Palmyra	Soybean	397	4	75.3	73.2	2.1	2.9	0.0304
	East Troy	Corn	889		Unharvested, deer damage				
	Palmyra	Corn			Data not reported, no noncover crop treatment				
		<i>R. clover</i>	2,111						
		<i>S. mix</i>	2,624						
<b>2019 Response Year</b>									
11	Palmyra	Corn	181	3	175.8	179.9	-4.1	-2.3	0.1485, ns
12	Palmyra	Corn	62	4	196.0	199.0	-3.0	-1.5	0.3217, ns
13	Palmyra	Soybean	356	3	52.2	51.5	0.7	1.4	0.7548, ns
14	Palmyra	Soybean	1,434	4	51.0	49.2	1.8	4.0	0.3447, ns
	Cottage Grove	Corn	5,074		Unharvested, rodent damage				
	Total:			48					

\* , AGB, above ground biomass (dry matter basis). Red clover and summer mix measured the previous fall due to termination.

\*\* , moisture reported at 15% for corn, 13% for soybean.

\*\*\*, for estimate of probability of response subtract p value from 1 and multiply by 100%.

\*\*\*\*, unsampled, response crop planted into residue before sampling could be completed.

n/s, not significant at the 5% level of probability.