

**Table 4.** Soils data collected in the Spring of 2020 at five of the cover crop strips. Green cells are greater than the control and red cells are less than the control

Field_ID	Active Fungi/Active Bacteria Ratio	Solvita CO2 Burst mg/Kg	OM %	Total Carbon mg/Kg	Nitrate N mg/Kg	pH	Water soluble organic carbon mg/Kg	Estimated Nitrogen mineralization lbs./Acre	Permanganate Oxidizable Carbon mg/Kg
Winter Wheat									
Over_Winter_1	0.44	34	7.4	2.95	25.87	5.721	228	35	675
Over_Winter_2	0.27	28.5	7.03	2.751	24.34	5.57	231	28	638
Winter_Wheat_Control	0.27	23.6	6.76	2.762	33.18	6.077	278	23	670
Spring Wheat									
SW_interseed	0.69	27.5	6.28	2.449	31.51	5.413	244	27	615
SW_interseed_mix_1	0.25	27.5	5.35	2.222	15.33	4.937	236	26	552
SW_interseed_mix_2	0.57	30.5	5.29	2.346	16.18	4.953	255	29	491
Over_Winter_3	0.63	26.4	4.82	2.037	14.03	5.118	237	25	566
Spring Wheat Control	0.3	20.3	4.9	2.027	19.44	4.985	221	17	566