

**2020 Micro Energy Corn  
Research by Agri-Tech Consulting  
Soil Health Test by Ward Labs**



		EP in		EP in	2X Rate
*EP = Energy Pack	No EP	Starter	Sidedress	Starter & Sidedress	% Increase
Harvest Grain Moisture %	17.4	17.6	17.4	17.5	<b>1.01%</b>
Harvest Plot Weight lbs	141.04	144.21	146.05	147.72	<b>4.73%</b>
Harvest Plot Test Weight lbs	57.6	57.8	57.8	58.0	<b>0.69%</b>
Grain Yield Adjusted to @15% bu/acre	237.06	241.57	245.46	247.74	<b>4.51%</b>
Total Living Microbial Biomass ng/g	5093.63	5370.82	5370.57	5603.56	<b>10.01%</b>
Total Bacteria ng/g	2054.29	2127.92	2148.92	2299.87	<b>11.95%</b>
Total Gram (+) Bacteria ng/g	1352.14	1392.63	1412.96	1498.63	<b>10.83%</b>
Gram (+) Actinomycetes Total ng/g	401.53	411.24	433.98	486.32	<b>21.12%</b>
Total Gram (-) Bacteria ng/g	702.15	735.29	735.96	801.24	<b>14.11%</b>
Gram (-) Rhizobia Total ng/g	53.29	56.77	54.13	56.94	<b>6.85%</b>
Total Fungi ng/g	401.95	491.23	488.01	515.24	<b>28.19%</b>
Arbuscular Mycorrhizal ng/g	152.41	163.04	160.24	170.15	<b>11.64%</b>
Saprophytes ng/g	284.16	301.26	296.34	332.69	<b>17.08%</b>
Protozoa ng/g	48.03	50.04	49.63	52.21	<b>8.70%</b>
Undifferentiated ng/g	2589.36	2701.63	2684.01	2736.24	<b>5.67%</b>

**This study shows how much specific helpful soil microbes increased in one growing season.**