

***Madison County
Healthy Soil Initiative Monitoring 2015***

| Name/Field # | Water Extract | | | | | | | | | H3A Extract | Soil Health | Biological Analysis | | | Management | | | |
|-----------------|---------------|----------------------------|-----------------------------|--------------|-------|----------------|-------------------|-------------------------|-----------------------------|---------------------------|-------------------------|---------------------|-------------|-------------------------------|---------------|--------------------------|---------|-------------------|
| | Soil Slaking | Infiltration Rate 1st Inch | Infiltration Rates 2nd inch | Crop residue | Worms | Organic Matter | Solvita CO2 Burst | Organic Nitrogen, ppm N | Total Organic Carbon, ppm C | Organic Phosphorus, ppm P | Soil Health Calculation | Total Bacteria | Total Fungi | Total Fungi to total Bacteria | Previous Crop | Cover Crop | No Till | Biologicals Added |
| Parkinson Fld 1 | 2 | 2:13 | 9:12 | 8 | 1 | 1.1 | 14 | 6.4 | 94 | 15.6 | 2.53 | 623 | 232 | 0.37 | Wheat | Yes | Yes | No |
| Parkinson Fld 2 | 1 | 4:26 | 4:41 | 2 | 1 | 1.2 | 11.1 | 8.7 | 102 | 15.8 | 2.84 | 1161 | 315 | 0.27 | Potato | Fall Wheat | No | No |
| Parkinson Fld 3 | 9 | 9:31 | 17:02 | 10 | 1 | 1.4 | 24.2 | 6.4 | 107 | 14.6 | 3.17 | 853 | 184 | 0.22 | Wheat | Yes | Yes | No |
| Parkinson Fld 4 | 9 | 1:45 | 4:47 | 5 | 1 | 1.1 | 23 | 9.2 | 115 | 16 | 3.92 | 908 | 155 | 0.17 | Wheat | Yes Mustard Radish | No | No |
| Smith Fld 1 | 8 | 4:40 | 9:48 | 5 | 1 | 2.1 | 23 | 17.8 | 182 | 4.8 | 5.85 | 1393 | 814 | 0.58 | Barley | No | No | No |
| Smith Fld 2 | 9 | 1:21 | 5:54 | 5 | 2 | 2.2 | 18.4 | 15.9 | 212 | 5.8 | 5.08 | 1800 | 984 | 0.55 | Wheat | No | No | No |
| Wilcox Fld 1 | 9 | 7:48 | 19:26 | 7 | 2 | 2.2 | 36.4 | 8.6 | 135 | 40.7 | 4.52 | 1621 | 623 | 0.38 | Grain | Yes | Yes | Yes |
| Wilcox Fld 2 | 1 | 1:54 | 8:09 | 1 | 1 | 2.1 | 26.4 | 8.0 | 133 | 31.8 | 3.73 | 812 | 411 | 0.51 | Potato | No | No | Yes |
| Wilcox Fld 3 | 1 | 8:10 | 16:59 | 7 | 1 | 2.1 | 41.5 | 10.1 | 151 | 28.2 | 5.32 | 1354 | 532 | 0.39 | Barley | Yes | Yes | Yes |
| Wilcox Fld 4 | 3 | :40 | 4:25 | 5 | 1 | 2.4 | 33.1 | 11.2 | 169 | 22.1 | 4.99 | 1941 | 675 | 0.35 | Wheat | No | No | Yes |
| Crapo Fld 1 | 9 | 1:01 | 21:19 | 5 | 1 | 2.3 | 16.8 | 16.3 | 153 | 19.9 | 4.95 | 2080 | 700 | 0.34 | Wheat | No | No | No |
| Crapo Fld 2 | 8 | 1:31 | 9:49 | 1 | 1 | 2.0 | 14.6 | 16.1 | 183 | 6.0 | 4.72 | 1621 | 801 | 0.49 | Potato | No | No | No |
| Jeppeson Fld 1 | 9 | 30:00+ | | 8 | 1 | 2.0 | 24.2 | 7.8 | 139 | 26.8 | 3.51 | 1767 | 479 | 0.27 | Wheat | Yes | Yes | No |
| Jeppeson Fld 2 | 9 | :54 | 6:16 | 4 | 1 | 2.0 | 22.1 | 7.9 | 137 | 25.0 | 3.42 | 1388 | 502 | 0.36 | Wheat | No | No | No |