



Southeast Illinois

2016 SOIL TEST DATA SUMMARY

Soil Test	Statistics		Percent Samples by Soil Test Rating				
	Average	Std. Dev.	Very Low (<1.0)	Low (1.0-2.5)	Medium (2.5-5.0)	High (5.0-7.0)	Very High (7.0+)
Organic Matter, %	3.2	1.1		33.1	58.1	8.4	0.4
Phosphorus (P1), ppm	29	24	7.2 (<10)	32.1 (10-20)	26.4 (20-30)	22.8 (30-50)	11.6 (50+)
Phosphorus (P2), ppm	63	46	2.1 <td>9.6 (14-29)</td> <td>26.6 (29-44)</td> <td>38.2 (44-74)</td> <td>23.5 (74+)</td>	9.6 (14-29)	26.6 (29-44)	38.2 (44-74)	23.5 (74+)
Potassium (K), ppm	141	62					
K, % Base Saturation	3.0	1.3	2.4 <td>6.9 (0.81-1.59)</td> <td>59.2 (1.60-3.19)</td> <td>27.1 (3.20-4.78)</td> <td>6.5<br (>4.78)<="" td=""/></td>	6.9 (0.81-1.59)	59.2 (1.60-3.19)	27.1 (3.20-4.78)	6.5
Magnesium (Mg), ppm	231	140					
Mg, % Base Saturation	14.1	4.8	0.3 <td>20.4 (5-10)</td> <td>42.0 (10-15)</td> <td>34.8 (15-25)</td> <td>2.5 (25+)</td>	20.4 (5-10)	42.0 (10-15)	34.8 (15-25)	2.5 (25+)
Calcium (Ca), ppm	1759	688					
Ca, % Base Saturation	68.8	10.9	2.2 <td>7.0 (45-55)</td> <td>64.0 (55-75)</td> <td>18.9 (75-85)</td> <td>8.0 (85+)</td>	7.0 (45-55)	64.0 (55-75)	18.9 (75-85)	8.0 (85+)
pH (1:1)	6.4	0.5	0.9 <td>13.0 (5.1-5.8)</td> <td>70.6 (5.9-6.0)</td> <td>13.9 (7.0-7.5)</td> <td>1.6<br (>7.5)<="" td=""/></td>	13.0 (5.1-5.8)	70.6 (5.9-6.0)	13.9 (7.0-7.5)	1.6
CEC, meq/100g	12.9	5.0		17.3 <td>51.3 (3.1-8.0)</td> <td>30.0 (8.1-15.0)</td> <td>1.3 (15.1-25.0)</td>	51.3 (3.1-8.0)	30.0 (8.1-15.0)	1.3 (15.1-25.0)
Sulfur (S), ppm	8	5.2	1.4 <td>50.5 (4-7)</td> <td>45.7 (8-12)</td> <td>1.4 (13-17)</td> <td>1.1<br (>17)<="" td=""/></td>	50.5 (4-7)	45.7 (8-12)	1.4 (13-17)	1.1
Zinc (Zn), ppm	2.6	2.0	0.1 <td>78.2 (1.1-2.9)</td> <td>17.7 (3.0-4.9)</td> <td>3.1 (5.0-10.0)</td> <td>0.8<br (>10.0)<="" td=""/></td>	78.2 (1.1-2.9)	17.7 (3.0-4.9)	3.1 (5.0-10.0)	0.8
Manganese (Mn), ppm	40	16		2.5 <td>15.2 (6-14)</td> <td>60.7 (15-19)</td> <td>21.6 (20-49)</td>	15.2 (6-14)	60.7 (15-19)	21.6 (20-49)
Iron (Fe), ppm	33	22		0.8 <td>2.3 (5-9)</td> <td>82.2 (10-50)</td> <td>14.8 (>50)</td>	2.3 (5-9)	82.2 (10-50)	14.8 (>50)
Copper (Cu), ppm	1.4	0.4			30.2 (0.4-1.1)	69.6 (1.2-3.0)	0.2
Boron (B), ppm	0.4	0.2	56.2 <td>25.1 (0.4-0.5)</td> <td>17.7 (0.6-1.2)</td> <td>1.0 (1.3-2.5)</td> <td></td>	25.1 (0.4-0.5)	17.7 (0.6-1.2)	1.0 (1.3-2.5)	
Nitrate (NO ₃ -N), ppm	14.0	14.4	4.8 <td>45.2 (5-9)</td> <td>30.9 (10-19)</td> <td>14.9 (20-39)</td> <td>4.3<br (>39)<="" td=""/></td>	45.2 (5-9)	30.9 (10-19)	14.9 (20-39)	4.3
Ammonium (NH ₄ -N), ppm	6.9	9.4	38.8 <td>45.6 (5-9)</td> <td>11.5 (10-19)</td> <td>2.9 (20-39)</td> <td>1.3<br (>39)<="" td=""/></td>	45.6 (5-9)	11.5 (10-19)	2.9 (20-39)	1.3