

Report Number
F19084-0004
Account Number
37510



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To: HELENA AGRI-ENTERPRISES
325 EAST LOGAN STREET
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MARKLE, IN 46770-0421

For: HOLLOWAY REALTY

Field: HILLGER

Date Received: 3/25/2019

Date Reported: 3/27/2019

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SOIL TEST REPORT

| Sample ID | Lab Number | Organic Matter % | Phosphorus | | Potassium K ppm | Magnesium Mg ppm | Calcium Ca ppm | Sodium Na ppm | Soil pH | Buffer pH | CEC meq/100g | Percent Cation Saturation | | | | |
|-----------|------------|------------------|--------------------|---------------|-----------------|------------------|----------------|---------------|---------|-----------|--------------|---------------------------|------|------|------|------|
| | | | Bray-1 Equiv ppm-P | Bray P2 ppm-P | | | | | | | | % K | % Mg | % Ca | % H | % Na |
| 1 | 59510 | 2.1 | 10 <i>L</i> | | 102 <i>M</i> | 345 <i>VH</i> | 1550 <i>M</i> | | 6.8 | | 11.2 | 2.3 | 25.6 | 69.1 | 3.0 | |
| 2 | 59511 | 2.1 | 16 <i>L</i> | | 88 <i>M</i> | 250 <i>H</i> | 1200 <i>M</i> | | 6.5 | 6.9 | 9.5 | 2.4 | 21.9 | 63.1 | 12.6 | |
| 3 | 59512 | 2.8 | 39 <i>H</i> | | 141 <i>M</i> | 295 <i>H</i> | 1500 <i>L</i> | | 6.0 | 6.7 | 13.9 | 2.6 | 17.7 | 53.9 | 25.9 | |
| 4 | 59513 | 3.2 | 44 <i>H</i> | | 154 <i>M</i> | 380 <i>H</i> | 1700 <i>M</i> | | 6.3 | 6.8 | 14.5 | 2.7 | 21.9 | 58.8 | 16.6 | |
| 5 | 59514 | 2.3 | 10 <i>L</i> | | 115 <i>M</i> | 385 <i>VH</i> | 1350 <i>L</i> | | 6.1 | 6.8 | 12.7 | 2.3 | 25.4 | 53.3 | 19.0 | |
| 6 | 59515 | 2.3 | 11 <i>L</i> | | 100 <i>M</i> | 460 <i>VH</i> | 1350 <i>M</i> | | 7.0 | | 10.8 | 2.4 | 35.4 | 62.3 | | |
| 7 | 59516 | 3.8 | 38 <i>H</i> | | 173 <i>H</i> | 665 <i>VH</i> | 2500 <i>M</i> | | 6.7 | 6.9 | 19.7 | 2.3 | 28.2 | 63.5 | 6.1 | |

VL = Very Low L = Low M = Medium H = High VH = Very High

| Sample ID | Sulfur S ppm | Zinc Zn ppm | Manganese Mn ppm | Iron Fe ppm | Copper Cu ppm | Boron B ppm | Soluble Salts (1:2) mmhos/cm | Nitrate NO ₃ -N ppm | Ammonium NH ₄ -N ppm | Bicarb-P P ppm | | | | Comments |
|-----------|--------------|-------------|------------------|-------------|---------------|-------------|------------------------------|--------------------------------|---------------------------------|----------------|--|--|--|----------|
| | | | | | | | | | | | | | | |