# Agri Analysis Inc

PO Box 483 Leola, PA 17540 (Phone) 717-656-9326

## Soil Analysis Report

**INVOICE #** 282005 **REPORTED** May 28, 2014
**RECEIVED** May 27, 2014 **SAMPLED BY**

**CUSTOMER:**
Fertrell
Box 265
Bainbridge, PA 17502

**GROWER:**
Hershey Comm. Gardens

**FIELD DATA** | **NUTRIENT REMOVAL** | **LIME AND FERTILIZER RECOMMENDATIONS**

| Your Field I.D. | Acres | Lab Number | Last Crop Grown | Next Crop | Yield Goal | Nutrient Removal of Next Crop Nitrogen | P205 | K20 | LIMESTONE lbs/acre | NITROGEN lbs/acre | P2O5 lbs/Acre | K2O lbs/Acre | MgO lbs/Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Garden | 1 | 9946 | Mixed Vegetables | Mixed Vegetables | 1 | 80 | 150 | 120 | None | 75 | 0 | 0 | 0 |

**LABORATORY DATA**

| Your Field I.D. | CEC meq | Acidity meq | SOIL pH | Buffer pH | % O.M. | Lbs/A - - % Saturation (K, Mg, Ca) POTASSIUM (K) | MAGNESIUM (Mg) | CALCIUM (Ca) | Phos. lbs/A | K ppm | Mg ppm | Ca ppm | P ppm | P2O5 lbs/A | K2O lbs/A | MgO lbs/A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Garden | 23.3 | | 7.7 | | 15.6 | 586 (3.2%) | 1040 (18.6%) | 7267 (78%) | 466 | 293 | 520 | 3634 | 233 | 1071 | 703 | 1664 |

**TRACE MINERALS**

| Your Field I.D. | (Cu) ppm | (Fe) ppm | (Mn) ppm | (Zn) ppm | (B) ppm | (S) ppm | (Na) ppm | (Al) ppm |
|---|---|---|---|---|---|---|---|---|
| Garden | 3.3 | 252.8 | 185.0 | 15.3 | 3.28 | 14.2 | | |

| Ranges |
|---|
| Cu: 0.5-2.0 |
| Fe: 12-50 |
| Mn:15-45 |
| Zn: 1.0-4.0 |
| B: 0.6-2.0 |
| S: 15-25 |

* Buffer pH determined by Mehlich Buffer.
* Mineral extraction method is Mehlich 3 (ICP)
* Limestone rec. is based on 100% calcium carbonate equivalent.
* CEC and Acidity expressed as meq / 100g.

* Organic Matter % determined by LOI.

| Your Field I.D. | Soil PH (2 – 8) | P2O5 (Phosphate) (0 – 1000 lbs/A) | K20 (Potash) (0 – 1000 lbs/A) | MgO (Magnesium oxide) (0 – 1200 lbs/A) |
|---|---|---|---|---|
| Garden | 7.7 | Out of Range 1071 | 703 | Out of Range 1664 |

Graph Legend:
- Desired Level
- Actual Level

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***Crop*** ***Important Crop Notes***

**Mixed Vegetables**

**** You must adjust the nitrogen recommendation up or down depending on the specific crop being grown and the expected yeild.**

**** Use of a high quality, water soluble fertilizer, such as 15-30-15 during the growing season may be beneficial. Be sure to follow label directions.**

**** To convert "pounds per acre" to "pounds per 1000 square feet" divide the "pounds per acre" value by 44.**

**** If any manure will be applied, the nutrient recommendations listed above will need to be reduced in accordance with a current manure analysis.**