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Agricultural Analytical Services Laboratory The Pennsylvania State University University Park PA 16802

| PLANT TISSUE ANALYSIS FOR: | | | | ADDITIONAL COPY TO: | | | | | |
|--|------------|------------|---|---------------------|----------|-----------|--------|--|--|
| John Jones Jones Family Farm Harmony Lane Greenville PA 22222 | | | Sam Cook Top Grow Enterprises 111 Alfalfa Rd Smithville PA 11111 | | | | | | |
| | | | | | | | | | |
| KIT ID | LAB ID | FIELD NAME | HOUSE | BENCH | RECEIVED | COMPLETED | COUNTY | | |
| | PK15-00026 | Bad | | | 6/4/2015 | 6/8/2015 | Centre | | |

Crop: Corn

Variety: 12" tall

| | | DEFICIENT | LOW | NORMAL | HIGH | EXCESSIVE |
|--------------------------|------|-----------|-----|--------|------|-----------|
| Nitrogen (N) % DW | 4.97 | | | | l | |
| Phosphorus (P) % DW | 0.47 | | | | | |
| Potassium (K) % DW | 4.23 | | | | | |
| Calcium (Ca) % DW | 0.30 | | | | | |
| Magnesium (Mg) % DW | 0.22 | | | | | |
| Sulfur* (S) % DW | 0.17 | | | | | |
| Manganese (Mn) PPM DW | 130 | | | | | |
| Iron (Fe) PPM DW | 280 | | | | l | |
| Copper (Cu) PPM DW | 9 | | | | | |
| Boron (B) PPM DW | 6 | | | | | |
| Zinc (Zn) PPM DW | 34 | | | | | |

*Sulfur analysis is available upon request.

FERTILIZER RECOMMENDATIONS:

The following recommendations are based on the above leaf element concentrations and the best information currently available. If there are any questions regarding these recommendations, please consult the county extension agent in your area.

NITROGEN: Value is NORMAL (Normal is 3.50 - 5.00) No corrective measures needed.

PHOSPHORUS: Value is NORMAL (Normal is 0.30 - 0.50)

No corrective measures needed.

Kit ID:

POTASSIUM: Value is HIGH (Normal is 2.50^{-4.00}) Above normal but not toxic.

LAB ID: PK15-00026

CALCIUM: Value is NORMAL (Normal is 0.30⁻0.70) No corrective measures needed.

MAGNESIUM: Value is NORMAL (Normal is 0.15⁻0.45) No corrective measures needed.

SULFUR: Value is LOW (Normal is 0.21 - 0.76) Below normal but not at a deficiency level.

MANGANESE: Value is NORMAL (Normal is 20 - 300) No corrective measures needed.

IRON: Value is HIGH (Normal is 50 - 250) Above normal but not toxic.

COPPER: Value is NORMAL (Normal is 5 - 20) No corrective measures needed.

BORON: Value is NORMAL (Normal is 5 - 25) No corrective measures needed.

ZINC Value is NORMAL (Normal is 20⁻⁶⁰) No corrective measures needed.