



INTERNATIONAL AG LABS, INC

CONSULTING AND ANALYTICAL CHEMISTS

FERTILIZERS * FEEDS * SOILS * WATER

PHONE 507-235-6909 FAX 507-235-9155 P.O. BOX 788 FAIRMONT, MN 56031

| | | | |
|--------------------|-----------------------------|-------------------------|---------------------|
| NAME: | International Ag Labs, Inc. | DATE: | |
| ADDRESS: | | SAMPLE TESTED: | #1 |
| CITY/STATE: | | | Wendell Owen's Farm |
| | | 2009 CROP GROWN: | |
| | | 2010 CROP GROWN: | |
| | | LAB TEST# | |

SOIL ANALYSIS REPORT

| Nutrient | Measure | Desired Ratio | Desired Level | Lab Results | Soil Index | |
|------------|---------------|---------------|---------------|-------------|------------|-------------------------|
| Humus | | | 30-40 | 6 | | |
| Nitrates | lbs. / Acre | | 40 | 40 | | |
| Ammonia | lbs. / Acre | | 40 | 56 | | |
| Phosphorus | lbs. / Acre | 1P:1K | 174 | 145 | | 1.02 : 1 P to K Ratio |
| Potassium | lbs. / Acre | | 167 | 142 | | |
| Calcium | lbs. / Acre | 7Ca:1Mg | 3,000 | 11271 | | 18.5 : 1 Ca to Mg Ratio |
| Magnesium | lbs. / Acre | | 429 | 608 | | |
| Sodium | PPM | | <35 | 8 | | Low |
| ERGS | μS/Centimeter | | 200 | 334 | | |
| ORP | | | 28 | 27 | | |
| pH | | | 6.5 | 7.7 | | |
| Copper | PPM | | 0.8-2.5 | 0.7 | Low | |
| Iron | PPM | | 10-25 | 11.2 | Medium | |
| Zinc | PPM | | 1-6 | 1.7 | Medium | |
| Manganese | PPM | | 8-30 | 6.4 | Low | |
| Boron | PPM | | 0.8-1.2 | Not Tested | | |
| Sulfur | PPM | | 30 | Not Tested | | |
| Formazan | PPM | | 600 | Not Tested | | |

C.E.C. Test

| | | | | |
|----------------|----------|--------|--|--------|
| Phosphorus | | | | |
| Bray 1 | (ppm) | | | 0 |
| Olsen | (ppm) | | | 7.4 |
| Potassium | (ppm) | | | 145.3 |
| Calcium | (ppm) | | | 3941.9 |
| Magnesium | (ppm) | | | 177.78 |
| Sodium | | | | 16 |
| Organic Matter | % | | | 7.149 |
| pH | | | | 7.7 |
| K | % | 2-5% | | 1.7 |
| Ca | % | 60-70% | | 91.1 |
| Mg | % | 10-20% | | 6.8 |
| Na | % | 0.5-3% | | 0.3 |
| C.E.C | meq/100g | | | 21.6 |
| Acidity | meq/100g | | | 0.0 |