



**ROCK RIVER  
LABORATORY, INC.**  
AGRICULTURAL ANALYSIS

**Soil Test Report - Field: House Orchard Acres: 12.5**

**Account:** 7060  
Groeschl Ag Service, LLC  
10271 N County Road K  
Hayward, WI 54843

**Report For:**  
Groeschl Ag  
Andy's  
10271N County Road K  
Hayward, WI 54843  
ASCS No 0

**Lab #304498**

**County** Sawyer

**Received** 11/4/2025

**Field** House Orchard

**Acres** 12.5

**Plow Depth** 8.0

**Soil Name**

**Previous  
Crop**

**Nutrient Recommendations  
(lbs/acre)**

|  | <b>Cropping Sequence</b> | <b>Yield Goal<br/>(per acre)</b> | <b>Crop Nutrient Need</b> |             |            | <b>Legume<br/>N<br/>Credit</b> | <b>Apply</b> |             |            |
|--|--------------------------|----------------------------------|---------------------------|-------------|------------|--------------------------------|--------------|-------------|------------|
|  |                          |                                  | <b>N</b>                  | <b>P2O5</b> | <b>K2O</b> |                                | <b>N</b>     | <b>P2O5</b> | <b>K2O</b> |
|  | Corn, grain              | 170                              | 125                       | 30          | 90         | 0                              | 125          | 30          | 90         |
|  | Soybean, grain           | 60                               | 0                         | 25          | 130        | 0                              | 0            | 25          | 130        |
|  | Alfalfa, seeding         | 3.5                              | 0                         | 20          | 235        | 0                              | 0            | 20          | 235        |
|  | Alfalfa, established     | 6                                | 0                         | 40          | 415        | 0                              | 0            | 40          | 415        |

There is no lime recommendation

**Laboratory Analysis for Field House Orchard, Lab No 304498**

| <b>Sample<br/>Num</b> | <b>Soil<br/>pH</b> | <b>Om<br/>%</b> | <b>P<br/>ppm</b> | <b>K<br/>ppm</b> | <b>60-69 Lime<br/>Req(T<sup>1/2</sup>a)</b> | <b>Ca<br/>ppm</b> | <b>Mg<br/>ppm</b> | <b>Est<br/>Cec</b> | <b>B<br/>ppm</b> | <b>Mn<br/>ppm</b> | <b>Zn<br/>ppm</b> | <b>Sulfate-S<br/>ppm</b> | <b>Sample<br/>Density</b> | <b>Buffer<br/>Code</b> |
|-----------------------|--------------------|-----------------|------------------|------------------|---|-------------------|-------------------|--------------------|------------------|-------------------|-------------------|--------------------------|---------------------------|------------------------|
| Hse<br>Orch           | 6.8                | 2.6             | 35               | 81               |   | 1157              | 218               | 8                  |                  |                   |                   |                          | 1.18                      | N.R.                   |

**Base Saturation**

| <b>Est CEC</b> | <b>Ca %</b> | <b>Mg %</b> | <b>K %</b> |
|----------------|-------------|-------------|------------|
| 8              | 74.4        | 23.0        | 2.7        |

**Test Interpretation for Field House Orchard, Lab No 304498**

| <b>Crop Name</b> | <b>Very Low</b> | <b>Low</b> | <b>Optimum</b> | <b>High</b> | <b>Very High</b> | <b>Excessive</b> | <b>Very Low</b> | <b>Low</b> | <b>Optimum</b> | <b>High</b> | <b>Very High</b> | <b>Excessive</b> |
|------------------|-----------------|------------|----------------|-------------|------------------|------------------|-----------------|------------|----------------|-------------|------------------|------------------|
| Alfalfa, seeding |                 | P          |                |             |                  | K                |                 |            |                |             |                  |                  |

**Additional Information, Secondary & Micronutrient Recommendations**

Perennial grass hay fields

All: If a legume crop precedes the first crop listed on the sample submission form, N credits should be subtracted from the N recommendation for the first crop listed. See Chapter 9 in UWEX Publication A2809 for more details.

All: If manure, biosolids, septage or other waste materials have been applied to this field, be sure to take nutrient credits and adjust fertilizer rate. See Chapter 9 in UWEX Publication A2809 for more details.

All: No crops were provided, a default rotation with nutrient application rate guidelines is provided.

All: No soil information was provided. Generic nutrient application rate guidelines are given on this report. They should not be used for nutrient management planning purposes. In the future, please submit samples with county and soil map unit or soil series name to obtain the nutrient application guidelines that are more appropriate for your soil.

All: Recommended rates are the total amount of nutrients to apply (N-P-K), including starter fertilizer.

All: Buffer pH not required for calculation of lime requirement when soil pH is 6.6 or higher.

Corn: Nitrogen application rates for grain and silage corn reflect the maximum return to N (MRTN) at a 0.10 N:corn price ratio (eg. \$0.30/lb N and \$3.00/bu; or \$0.40/lb N and \$4.00/bu) and the range of rates that produce profitability within \$1/a of the MRTN rate. N application rates can be adjusted to reflect different prices for N and grain. See Chapter 6 in UWEX Publication A2809 for more details.

Corn: Starter fertilizer may accelerate early season corn development, which may not always translate into increased yield. Corn will benefit more from a complete starter fertilizer (e.g. 10+20+20 lbs N+P2O5+K2O/a) when grown on soils testing optimum or less in P and K.

Alfalfa: If alfalfa will be maintained for more than three years, increase recommended K2O by 20% each year.

Corn, grain: If corn is harvested for silage instead of grain apply extra 90 lbs K2O per acre to next crop.

All: Ca test average value of 1157.478 is in High category.

All: Mg test average value of 218.252 is in Optimum category.