ROCK RIVER LABORATORY, INC.
AGRICULTURAL ANALYSIS

**Account:** 294
Precision Crop Consulting, LLC
S8972 Valley View Road
Loganville, WI 53943

**Report For:**
Sauk County Farm

505 Broadway
Baraboo, WI 53913

**Lab #243704**
**County** SAUK
**Received** 11/23/2020
**Slope** 0%
**Field**
D1
**Acres** 5.4
**Plow Depth** 7.0
**Soil Name**
Tell
**Previous Crop**

## Nutrient Recommendations

| Cropping Sequence | Yield Goal (per acre) | Crop Nutrient Need (lbs/acre) | | | Fertilizer Credit (lbs/acre) | | | | Nutrients to Apply(lbs/acre) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | N | P2O5 | K2O | Legume N | Manure N | P2O5 | K2O | N | P2O5 | K2O |
| Corn, grain | 191-210 bu | * | 0 | 60 | 0 | 0 | 0 | 0 | * | 0 | 60 |
| Soybean, grain | 56-65 bu | 0 | 0 | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| Wheat, grain + straw | 81-100 bu | 0 | 0 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |
| Rye, grain + straw | 31-50 bu | 40 | 0 | 45 | 0 | 0 | 0 | 0 | 40 | 0 | 45 |

*For information on the new N application rate guidelines for corn see http://uwlab.soils.wisc.edu/pubs/MRTN
There is no lime recommendation.

## Laboratory Analysis for Field D1, Lab No 243704

| Sample Num | Soil pH | Om % | P ppm | K ppm | 60-69 Lime Req(T/a) | Ca ppm | Mg ppm | Est Cec | B ppm | Mn ppm | Zn ppm | Sulfate-S ppm | Texture Code | Sample Density | Buffer Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 7.0 | 2.7 | 101 | 115 | | 1953 | 440 | 15 | | | | | 2 | 1.04 | N.R. |

## Additional Information, Secondary & Micronutrient Recommendations

N.R.=Not required for calculation of lime requirement when soil pH is 6.6 or higher.
Because of excessively high P levels, no P2O5 fertilizer or manure is recommended on this field.
Starter fertilizer (e.g. 10+20+20 lbs N+P2O5+K2O/a) is advisable for row crops on soils slow to warm in the spring.
Recommended rates are the total amount of nutrients to apply (N-P-K), including starter fertilizer.
Year 1: If corn is harvested for silage instead of grain apply extra 90 lbs K2O per acre to next crop.
Ca - H Mg-Opt
%Base Saturation: Ca 71.5% Mg 26.4% K 2.2%
Response to added Ca is unlikely.
Soil Mg is optimum. Maintain level with dolomitic lime.

## Test Interpretation for Field D1, Lab No 243704

| Crop Name | Very Low | Low | Optimum | High | Very High | Excessive | Very Low | Low | Optimum | High | Very High | Excessive |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wheat, grain + straw | P | | | | | | K | | | | | |
| Rotation pH | pH | | | | | | | | | | | |

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505 Broadway
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**Lab #243704**
**County** SAUK
**Received** 11/23/2020
**Slope** 0%
**Field**
D2
**Acres** 11.0
**Plow Depth** 7.0
**Soil Name**
Jackson
**Previous Crop**

## Nutrient Recommendations

| Cropping Sequence | Yield Goal (per acre) | Crop Nutrient Need (lbs/acre) | | | Fertilizer Credit (lbs/acre) | | | | Nutrients to Apply(lbs/acre) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | N | P2O5 | K2O | Legume N | Manure N | P2O5 | K2O | N | P2O5 | K2O |
| Corn, grain | 191-210 bu | * | 0 | 105 | 0 | 0 | 0 | 0 | * | 0 | 105 |
| Soybean, grain | 56-65 bu | 0 | 0 | 130 | 0 | 0 | 0 | 0 | 0 | 0 | 130 |
| Wheat, grain + straw | 81-100 bu | 0 | 0 | 145 | 0 | 0 | 0 | 0 | 0 | 0 | 145 |
| Rye, grain + straw | 31-50 bu | 40 | 0 | 90 | 0 | 0 | 0 | 0 | 40 | 0 | 90 |

*For information on the new N application rate guidelines for corn see http://uwlab.soils.wisc.edu/pubs/MRTN
There is no lime recommendation.

## Laboratory Analysis for Field D2, Lab No 243704

| Sample Num | Soil pH | Om % | P ppm | K ppm | 60-69 Lime Req(T/a) | Ca ppm | Mg ppm | Est Cec | B ppm | Mn ppm | Zn ppm | Sulfate-S ppm | Texture Code | Sample Density | Buffer Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 7.3 | 2.8 | 94 | 94 | | 1810 | 367 | 16 | | | | | 2 | 0.92 | N.R. |
| 10 | 7.1 | 2.8 | 97 | 78 | | 2806 | 563 | 24 | | | | | 2 | 0.92 | N.R. |
| **Adj Avg** | **7.2** | **2.8** | **96** | **86** | | **2309** | **466** | | | | | | | | |

## Additional Information, Secondary & Micronutrient Recommendations

N.R.=Not required for calculation of lime requirement when soil pH is 6.6 or higher.
Starter fertilizer (e.g. 10+20+20 lbs N+P2O5+K2O/a) is advisable for row crops on soils slow to warm in the spring.
Because of very high P levels, P2O5 applications from fertilizer or manure should be reduced and crops with a high P removal should be grown.
Recommended rates are the total amount of nutrients to apply (N-P-K), including starter fertilizer.
Year 1: If corn is harvested for silage instead of grain apply extra 90 lbs K2O per acre to next crop.
Ca - H Mg-Opt
%Base Saturation: Ca 74.1% Mg 24.5% K 1.4%
Response to added Ca is unlikely.
Soil Mg is optimum. Maintain level with dolomitic lime.

## Test Interpretation for Field D2, Lab No 243704

| Crop Name | Very Low | Low | Optimum | High | Very High | Excessive | Very Low | Low | Optimum | High | Very High | Excessive |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wheat, grain + straw | P | | | | | | K | | | | | |
| Rotation pH | pH | | | | | | | | | | | |