MULTI-STATE LAND PORTFOL

Mercer County, IL

4,582 Cropland Acres (FSA)

MERCER COUNT SOIL TESTS

Held at the Western Illinois Grand Ballroom, Macomb, IL

Monday, December 12 • 10am

Real Estate and Auction Company, Inc.

800.451.2709 | SchraderAuction.com

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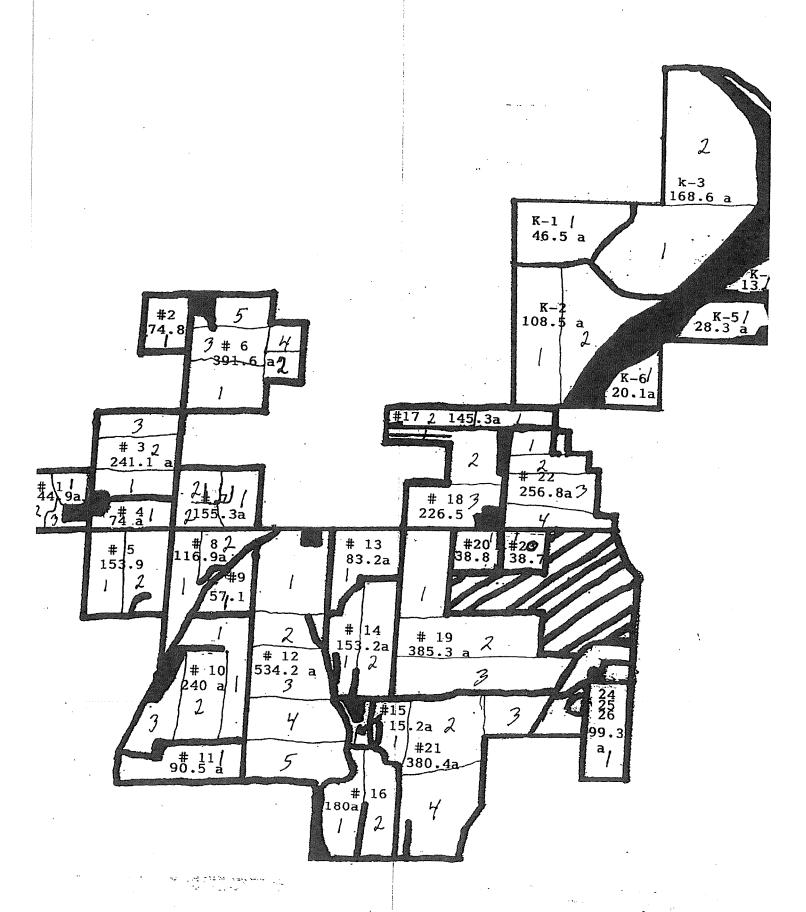
To all prospective buyer(s): Schrader Real Estate and Auction Company, Inc. ("Broker") is providing real estate brokerage services to the owner/seller of the property as the client of Broker. Broker and Broker's independent agents represent only the Seller and are exclusively the agents of the Seller. Broker and its agents will not be acting as the agent of any Buyer, but only as the agent of the Seller.

Seller: Wilder Corporation of Delaware

Auction Company: Schrader Real Estate and Auction Company, Inc.



Illinois Auctioneer: Rex D. Schrader II, #441.001031, Illinois Broker #471.006686 Schrader Real Estate & Auction Company, Inc. #444.000158





Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton

2004 Rte 17E Gold Star FS-Aledo

Aledo, IL 61231-0129 PO Box 129

Order No: 304667

Client ID: 43329

Report Date: 07/15/2015 Farm Name: Wilder Farm 40

Field Name: 1 Field Acres:

| | | | | | | | | | | | , | 0.10 | 1000, 10010010110 | • | | | | | | | | | | - | meq/ |
|--|--|---------|---------|-----------------|---------------|--|---|---------------------------------|------|-------|-------------------|--|-------------------|------------------|------|--|-------|---------------|--------------------------------------|--|--------------------------------------|----------|-------|--|--|
| | | <u></u> | | Pounds Per Acre | Per Acre | | Percent | | | Par | Parts Per Million | illion | | | dS/m | Mdd | | Lbs | Ac | | Percent Saturation | t Satura | ation | | 100g |
| | Water | Buffer | Phos- | Pota- | | | Organic | | | Mang- | | | | | | NO3-N | | Bray P2 Olsen | Olsen | | | | | | |
| Sample | PH | _ | phorus* | ssium | ssium Calcium | nesium | Matter | Sulfur Zinc anese Boron Iron | Zinc | anese | Boron | lron | Copper | Copper Sodium SS | SS | Surf | Total | | ט | Ca | Mg | ~ | I | Na | CEC |
| _ | 6.1 | 6.7 | 65 | 238 | 5240 | 1149 | 3.5 | | | | | | | | | | | | | 59.3 | | 1.4 | 17.4 | .26 | 22.1 |
| 2 | 6.8 | 7.4 | 54 | 167 | 5686 | 1052 | 3.5 | | | | | | | | | | | | | 72.6 | 72.6 22.4 1.1 | : | 3.6 | .27 | 19.6 |
| ω | 6.2 | 6.7 | 79 | 249 | 6022 | 1253 | 3.6 | | | | | | | | | | | | | 61.1 | 61.1 21.2 1.3 16.2 | <u>-</u> | 16.2 | .20 | 24.6 |
| Field Median | 6.2 | 6.7 | 65 | 238 | 5686 | 1149 | 3.5 | | | | | | | | | | | | | 61.1 | 61.1 21.7 1.3 16.2 | 1.ω | 16.2 | .26 | 22.1 |
| Contraction of the last of the | No. of Concession, Name of Street, or other Persons and Name of Street, or other Pers | | | | - | Statement of the latest death death of the latest death de | ACT INCHES AND ADDRESS OF THE PERSON NAMED IN | Contraction of the last desired | | A | | Name and Address of the Owner, or other Persons of | | | | THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN C | | | The owner of the latest owner, where | The state of the s | Name and Address of the Owner, where | - | 1 | The same of the sa | The same of the sa |

| Fertility Level | |
|---|--|
| Field Median V Low Optim, High V High | V High |
| Water pH 6.2 | |
| Phosphorus 65 | Intended Crop |
| Potassium 238 | Yield Goal |
| ć, | |
| 3 | |
| Ť | Build-up |
| Sulfur | Con Democrat: |
| Zinc | Crop Relicion |
| Manganese | The state of the s |
| -B000n | **TOTAL REQUIRED |
| Iron | |
| Copper | Credits: High Fertility |
| Sodium | |
| Olsen P | **ADJUSTED |
| Bray P1 | KECCMMENUALIONO |
| Limestone Recommendations | Adjust Nitrogen Recommendations for Previous Crop or other N Sources |

Previous Crop: None Specified

Phosphorus: 45 - 75 Potassium: 320 - 400 Water pH: 6.3 - 6.8 Optimum Ranges:

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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SGS North America Inc.



Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton Gold Star FS-Aledo

2004 Rte 17E

Aledo, IL 61231-0129 PO Box 129

Order No: 304667

Report Date: 07/15/2015 Client ID: 43329

Farm Name: Wilder Farm 40

Field Name: 2 Field Acres:

24 Pota-ssium Calcium 193 5102 ounds Per Acre 193 5102 nesium 1185 1185 Organic Matter 3.6 3.6 Sulfur Zinc Manganese Boron Iron Parts Per Million Copper Sodium SS dS/m NO3-N PPM Surf Total Bray P2 Olsen 62.4 24.2 62.4 24.2 1.2 12.0 .20 Mg Percent Saturation 1.2 12.0 .20 CEC 20.4 meq/ 100g 20.4

Field Median

6.9

Sample

| | Fertility Level | | rentilizer Recommendations are in nounce per Acid |
|---------------------------|--------------------|--|---|
| Field Median V Low Low | Optim. High V High | | |
| Water pH 6.4 | | | |
| S | | Intended Crop | |
| Potassium 193 | | Yield Goal | |
| Calcium 5102 | | | |
| 3 | |) | |
| Organic Matter 3.6 | | du-oing | |
| Sulfur | | Crop Removal: | |
| Zinc | | | |
| Manganese | | | |
| Boron | | **TOTAL REQUIRED | |
| lron | | And the second s | |
| Copper | | Credits: High Fertility | |
| Sodium | | *AD II ISTED | |
| Olsen P | | RECOMMENDATIONS | |
| Bray P1 | | | |
| Limestone Recommendations | | Adjust | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |

Previous Crop: None Specified

Phosphorus: 45 - 75 Optimum Ranges: Water pH: 6.3 - 6.8

Potassium: 320 - 400

Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40 Samples Submitted by: Denny Fullerton

Gold Star FS-Aledo 2004 Rte 17E

PO Box 129 Aledo II 61231-0129

> Order No: 304667 Client ID: 43329

Report Date: 07/15/2015

Farm Name: Wilder Farm 40

Field Name: 3 Field Acres:

| - 00 | | 0, | _ | _ | - | | | |
|-----------------------------|------|------|-------------------------|------------|---------------|--------------------|------|--|
| 214 | 214 | 239 | 180 4410 | ssium | Pota- | Pounds F | | |
| 4410 | 4092 | 4692 | 4410 | Calcium | | er Acre | | |
| 877 | 809 | 979 | 877 | esium | Мад- | | | |
| 3.4 | 3.4 | | 3.4 | Matter | Organic Mang- | Percent | | |
| | | | | Sulfur | | | | |
| | | | | Zinc | | | | |
| | | | | anese | Mang- | Par | | |
| | | | | Boron | | Parts Per Million | , | |
| | | | | iron | | illion | | 0 |
| | | | | Copper | | | | |
| | | | | Sodium | | | ľ | • |
| | | | | SS | _ | dS/n | | |
| | | | | | NO | | | |
| | | | | Surf Total | NO3-N | ₹ | | |
| | | | | Total | ı | - | | |
| | | | | | Bray P2 Olsen | Lbs | | |
| | | | | ס | Olsen | Ac | | |
| 63.4 | 61.5 | 63.4 | 69.6 | Ca | | 1 | | |
| 22.0 | 20.3 | 22.0 | 69.6 23.1 1.5 5.6 | Mg | | Percent Saturation | | |
| 1.6 | 1.6 | 1.7 | 1.5 | × | | nt Satu | | |
| 12.6 | 16.4 | 12.6 | 5.6 | I | | ration | | |
| .25 | .22 | .32 | .25 | Na | | | | |
| 63.4 22.0 1.6 12.6 .25 16.6 | 16.6 | 18.5 | 6 23.1 1.5 5.6 .25 15.8 | CEC | | 100g | meq/ | Commence of the local division in which the local division in which the local division in the local division i |
| | | | | | | | | |

Field Median

ωN

6.4

7.0 6.8 7.0

> 46 48

8

Sample

Water pH

ğ

Phosphorus*

7.3

| | Fertility Level | | Fertilizer Recommendations are in Pounds per Acre |
|---------------------------|----------------------|--|---|
| Field Median V Low Low | w Optim. High V High | | |
| Water pH 6.4 | | | |
| Phosphorus 48 | | Intended Crop | |
| Potassium 214 | | Yield Goal | |
| | | | |
| 3 | | | |
| 4 | | Build-up | |
| Sulfur | | Crop Demoval: | |
| Zinc | | Clob Removal. | |
| Manganese | | THE ANALYSIS OF THE PROPERTY O | |
| Boron | | **TOTAL REQUIRED | |
| Iron | | | - |
| Copper | | Credits: High Fertility | |
| Sodium | | | |
| Olsen P | | ADJUSTED | |
| Bray P1 | | XECCMMENCA I CNO | |
| Limestone Recommendations | | Adjust N | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |

CONVERSIONS: PPM = Lbs/Acre / 2 or $Lbs/Acre = PPM \times 2$

Previous Crop: None Specified

Optimum Ranges: Water pH: 6.3 - 6.8 Phosphorus: 45 - 75

Potassium: 320 - 400

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton

2004 Rte 17E Gold Star FS-Aledo

Aledo, IL 61231-0129 PO Box 129

Order No: 304667

Report Date: 07/15/2015 Client ID: 43329

Field Name: 4 Farm Name: Wilder Farm 40 Field Acres:

| | | Median | red | ! | _ | | Sample | , | _ | | |
|---|---|-----------|------|-----------|------|----------------|----------------------|------------------|-----------------|----------|--|
| l | | | 5.6 | | 0.0 | 3 | ï | vydiei | 14/24 | | |
| | | | 72 | | /.2 | | 무 | | | | |
| | | | 8 | 1 | 68 | | phorus* | Phos- | | | |
| | | 100 | | 1 | 283 | | ssium | Pota- | - | Pounds | |
| | | - 0/0 | 6779 | | 6728 | | Calcium | | | Per Acre | |
| | - | 0 000 | | | 1385 | | ssium Calcium nesium | Mag- | | | |
| | | 3.5 | | 0.0 | | (a)Cittor | Matter | Organic | 100011 | Decrent | |
| | | | | _ | | Cube | Sulfar 7imo | | | | |
| | _ | | | | | 71110 | 7 | _ | | | |
| | | | | | | anese | | Mann- | 701 | 0 | |
| | | | | _ | | HOLDS |] | | LAUR LEI MINION | Danki | |
| | | | 1 | | | ron | | | 100 | | |
| | | | | | | Copper |) | | | | |
| | | | | | | Sodium | : | | | | |
| - | | | Ī | | 1 | SS | T | | tures | 191 | |
| | | | | | 1 | Surf Total | INCO-IN | 203 2 | Mad | | |
| | | | | | | ס | Bray 72 Olsen | 2 | hs/Ac | | |
| - | | 66.5 22.8 | | 66 5 22 8 | t | C ₂ | • | - | ט | | |
| | | | Г | | | Z | _ | 0.000 | propert S | | |
| | | 1.4 9.0 | | 14 90 | | | _ | Ciccii, Coldialo | attrication | | |
| | | 0 19 | | 10 | 140 | 2 | | | | | |
| | | 25.3 | | 200 | CEC | 200 | _ | 500 | 3 | meq/ | |

| | Fertilizer Recommendations are in Pounds per Acre |
|--------------------------|--|
| | |
| Intended Crop | |
| Size Oral | |
| Heid Goal | |
| | |
| Buildup | |
| | |
| Crop Removal: IL | |
| | |
| **TOTAL DECLIBED | |
| | |
| Orpolits: Link Fortility | |
| Cicalia. Ingili citility | |
| **ADJUSTED | |
| RECOMMENDATIONS | |
| Adjust Nitrogen Recomm | Adjust Nitrogen Recommendations for Previous Crop or other N. Courses |
| 0 | ensemble of the control of the contr |
| | Adjust Nitrogen Recon |

Optimum Ranges: Water pH: 6.3 - 6.8

Potassium: 350 - 430 Phosphorus: 45 - 75

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton Gold Star FS-Aledo

Aledo, IL 61231-0129 PO Box 129 2004 Rte 17E

Order No: 304667 Client ID: 43329

Report Date: 07/15/2015 Farm Name: Wilder Farm 40

Field Name: 5 Field Acres:

meq/ 100g

| Limesto | Bray P1 | Olsen P | Sodium | Copper | Iron | Boron | Manganese | Zinc | Sulfur | Organic Matter | Magnesium | Calcium | Potassium | Phosphorus | Water pH | | | Field Median | 2 | | Sample | | Section of the lease of the lea |
|---|-----------------|----------|--------|-------------------------|--|------------------|-----------|------------------|--------|----------------|-----------|---------|------------|---------------|----------|--------------|------------------------------------|-----------------|-----------|-----------|---------------|---------------|--|
| Limestone Recommendations | בַּ | 70 | m | per | 5 | 9 | mese | C | ur. | Matter | Muis | ilm. | sium | horus | T PH | - | | 6.3 | 6.4 | 6.2 | PH | Water | |
| nendations | | | | | | | | | | (3 | 1483 | 7036 | 293 | | | Field Median | | 6.8 | 6.9 | 6.8 | 모 | Buffer | 1 |
| | | | | | | | | | | 3.6 | 3 | 6 | 3 | 58 | .3 | \ \ Low | , | 58 | 56 | 59 | phorus* | Phos- | |
| | | | | | a representation of the same representation of | | | | | | | | | | | Low | | 293 | 299 | 286 | ssium | Pota- | Pounds |
| | _ | | | | | | | | | | | | _ | | | Optim. F | Fertility Level | 7036 | 7858 | 6214 | Calcium | | Pounds Per Acre |
| | | | | | | | | | | | | | | | | High V High | | 1483 | 1622 | 1343 | nesium | Mag- | |
| | 2 | | | Cre | | 1 | | | | | | | | | | 20 | | 3.6 | 2 3.6 | 3 3.5 | Matter | | Percent |
| | RECOMMENDATIONS | ADJUSTED | | Credits: High Fertility | - | **TOTAL REQUIRED | | Crop Kemovai. IL | | | | | | | | | | 55 | 6 | 5 | Sulfur | | |
| | NDATIO | JSTED | 1 | liah Fe | - | REQUI | | CHOVE | | œ | ı | | Υie | intende | | | | | | | Zinc | | |
| Adji | SNS | | | 1 | | RB | | 7 | = | Build-up | | | Yield Goal | Intended Crop | | | | | | | anese | Mang- | Pa |
| ıst Nitro | | | | | | | | | | | | | | | | | | | | | Boron | ä | Parts Per Million |
| ogen R | | | | | | | | | | | | | | | | | | | | | lron | | E S |
| ecomm | | | | | | | | | | | | | | | | | 7 | | | | Coppe | | |
| nendatio | _ | | | | - | | - | | | | | | | - | - | | Fertilizer Recomn | | | | Copper Sodium | | |
| ns for | | | | | | | | | | | | | | | | | Recor | | | | SS | | dS/m |
| Adjust Nitrogen Recommendations for Previous Crop or other N Sources. | | | - | | | | | | | A- | | - | | | | | nmendations are in Pounds per Acre | | | - | rf Total | NO3-N | PPM |
| ources. | | | | | | | | | | | | | | | | ٠ | nds per Acre | | | | Ъ | Bray P2 Olsen | Lbs/Ac |
| | | | | | | | | | | | | | | | | | | 62.3 21.9 | 64.6 22.2 | 60.1 21.7 | Ca | | |
| | | | | | | | | | | | | | | | | | | | 22.2 | | Mg | _ | Percent Saturation |
| | | - | | net liina | | | | | | | | | | | | | | 1.3 14.2 | 1.3 11.8 | 1.4 16.6 | Χ. | _ | Satura |
| | | | | | | | | | | | | | | | | | | | | | I | | ion |
| | | | | | | | | | | | | | | | | | | .18 | .17 | .20 | Na C | | 1 |
| | | | | | | | : | | | | | | | | | | | 28.1 | 30.4 | 25.8 | CEC | | 100g |

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2

Previous Crop: None Specified

Phosphorus: 45 - 75 Potassium: 350 - 430 Water pH: 6.3 - 6.8 Optimum Ranges:

Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Sample

Water pH

모 6.8

smond 48

> Pota-ssium Catcium Pounds Per Acre

nesium 1109

Organic

Sulfur

Zinc

Mang-anese Boron Iron

Copper Sodium

SS dS/m

NO3-N Mad Surf

Bray P2 Olsen bs/Ac

Ca <u>%</u>

Percent Saturation

Total

61.9 21.5 1.7 14.6 .25 21.5

x

CEC meq/

Parts Per Million

Percent

284

5316

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton Gold Star FS-Aledo

PO Box 129 2004 Rte 17E

Aledo, IL 61231-0129

Order No: 304667

Client ID: 43329

Report Date: 07/15/2015 Farm Name: Wilder Farm 40 Field Name: 9

Field Acres:

| Median 6.3 | 0.0 | . t | Fertilit | Fertility Level | 100 | 30 |
|---------------------------|--------------------|-------|----------|-----------------|----------|---|
| | | | Fertilit | y Level | | |
| | Field Median V Low | ∨ Low | Low Op | Optim. High | h V High | |
| Water pH | 6.3 | 3 | | | | |
| Phosphorus | 48 | | | | | Intended Crop |
| Potassium | 284 | | | | | Yield Goal |
| Calcium | 5316 | | | | | |
| Magnesium | 1109 | | | | | 1 |
| Organic Matter | 3.8 | | | | | Build-up |
| Sulfur | | | | | | Cron Demoust: |
| Zinc | | | | | | Ciop Relioval. |
| Manganese | | | | | | |
| Boron | | | | | | **TOTAL REQUIRED |
| Iron | | | | | - | |
| Copper | | | | | | Credits: High Fertility |
| Sodium | | | | | | |
| Olsen P | | | | | | ADJUSTED |
| Bray P1 | | | | | | KECCMMENCATIONS |
| Limestone Recommendations | mendations | | | | | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2

Previous Crop: None Specified

Optimum Ranges: Water pH: 6.3 - 6.8 Phosphorus: 45 - 75 Potassium: 320 - 400

Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton Gold Star FS-Aledo

2004 Rte 17E

PO Box 129 Aledo, IL 61231-0129

> Client ID: 43329 Order No: 304667

Report Date: 07/15/2015 Farm Name: Wilder Farm 40

Field Name: 11

Field Acres:

meq/ 100g

| | | 1 | | _ | _ | | | _ | 1 | Ī- | | | | <u> </u> | | 1 | | | Z 71 | | 10 | _ | |
|---|---------------------|------------|--------|-------------------------|-----|-----------------|-----------|------|------------------|----------------|-----------|---------|------------|---------------|----------|--------------|---|---|-----------------|-----------|---------------|---------------|--------------------|
| Limesto | Bray P1 | Olsen P | Sodium | Copper | lon | Boron | Manganese | Zinc | Sulfur | Organic Matter | Magnesium | Calcium | Potassium | Phosphorus | Water pH | | | | Field Median | > | Sample | | |
| Limestone Recommendations | P1 | ס | 3 | er | | š | ese | O | 5 | Matter | sium | m | ium | SPJO | 모 | - | | | 6.3 | 6.3 | PH | Water | |
| nendations | | | | | | | | | | | 549 | 35 | ω. | | | Field Median | | | 6.9 | 6.9 | 모 | Buffer | |
| - | | | | | | | | | | 3.5 | 49 | 86 | 398 | 41 | 6.3 | n V Low | | | 9 41 | 9 41 | phorus* | Phos- | |
| | | | 1,000 | | | | | | | | | | | | | Low | Fe | | 1 398 | 1 398 | _ | Pota- | Pound |
| | | | | | | | | | | | | | | | | Optim. High | Fertility Level | | 8 3586 | 8 3586 | Calcium | | Pounds Per Acre |
| | _ | | | | | | | | | | | | | | | j | | | 549 | 549 | nesium | Mag- | |
| | | L | | 음 | T | _ | L | | | | | | | | | ∨ High | | - | | | Matter | | Percent |
| | VECOMINIEMENTO HOMO | PO S | | Credits: High Fertility | | "TOTAL REQUIRED | | 9 | Crop Removal: II | | | | | | | | | | 3.5 | 3.5 | Sulfur | 6 | = |
| | TADA H | TAUJUS IEU | TOTED. | High Fe | | REQUI | | | emova | α | , | | Yie | intended Crop | | | | | | | Zinc | | |
| Adji | Cinc | 0140 | | | | RED | | i | = | du-onb | : | | Yield Goal | d Crop | | | | | | | anese | Mang- | Par |
| ust Nitr | | | | | | | | | | | | | | | | | | | | | Boron | | Parts Per Million |
| ogen R | | | | | | | | | | | | | | | - | | | | | | Iron | | illion |
| ecomme | | | | | | | | | | | | | | | | | Fer | | | | Copper Sodium | | |
| endation | | | | | | | _ | | | | - | | | - | - | | tilizer F | | | | Sodium | | |
| ns for P | | | | | | | | | | | | | | | | | ecom? | | | | SS | | dS/m |
| Adjust Nitrogen Recommendations for Previous Crop or other N Sources. | | | | | | | | | | | | | | | | | Fertilizer Recommendations are in Pounds per Acre | | | | Surf | NO3-N | Mdd |
| rother | | | | | | | | | | | | | | | | | re in F | - | | - | rf Total | | |
| N Sour | | | | | | | | | | | | | | | | | ounds | - | | - | a | Bray | |
| ces. | _ | | _ | | | | | | | | | _ | | _ | | | per Ac | - | | | 7 | Bray P2 Olsen | Lbs/Ac |
| | | | | | | | | | | | | | | | | | ē | | 65.2 | 65.2 | Ca | - | |
| | | | | | | | | | | | | | | | | | | | 65.2 16.6 | 65.2 16.6 | SW. | | Percer |
| | | _ | | | | _ | | | | | | | | | | | | | 3.7 14.2 | | | | Percent Saturation |
| | | | | | | | | | | | | | | | | | | | | | i | | non |
| | | | | | | | | | | | | | | | | | | - | .27 | .27 1: | Na CEC | | 100g |
| | | | | | | | _ | | | | | | | | | | | | 13.8 | 13.8 | C |) | Ö |

CONVERSIONS: PPM = Lbs/Acre / 2 or $Lbs/Acre = PPM \times 2$

Previous Crop: None Specified

Water pH: 6.3 - 6.8 Phosphorus: 45 - 75 Potassium: 290 - 370 Optimum Ranges:

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Sample

Water pH

S

6.6 6.4 6.3

ယ

6.5

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton 2004 Rte 17E Gold Star FS-Aledo

Aledo, IL 61231-0129 PO Box 129

Order No: 304666

Client ID: 43329

Report Date: 07/15/2015 Farm Name: Wilder Farm 40

Field Name: Field Acres:

6.9 phorus* Phos-4 4 50 35 31 Pota-ssium Calcium Pounds Per Acre 192 197 359 223 396 4676 4058 5088 4768 4676 4344 649 815 609 774 Organic Matter 3.6 <u> 3</u> 3 3.3 Sulfur Zinc Mang-anese Boron Iron Parts Per Million Copper Sodium SS dS/m PPM Total Bray P2 Olsen Ca Mg 68.0: 17.2 70.7 17.6 65.0 18.9 68.0 17.6 67.3 16.8 68.8 18.6 Percent Saturation 1.6 14.0 1.5 13.0 1.6 13.0 3.0 8.4 1.5 10.8 2.8 13.0 21 .26 .35 CEC 18.7 18.0 15.4 15.1 17.3

| | Fertility Level | | Eartilizer Recommendations are in Pounds per Acre |
|---------------------------|--|--|---|
| П | Field Median V Low Cotim. High V High | g a | |
| Water pH | | | |
| Phosphorus | 44 | Intended Crop | |
| Potassium | 223 | Yield Goal | |
| Calcium | 4676 | | |
| Magnesium | 773 | anti-anti-anti-anti-anti-anti-anti-anti- | |
| Organic Matter | 3.5 | Build-up | |
| Sulfur | To be a controlled to the cont | Confinence | |
| Zinc | | Crop Kemovai. | |
| Manganese | | | |
| Boron | | "TOTAL REQUIRED | |
| Iron | | | |
| Copper | | Credits: High Fertility | |
| Sodium | | | |
| Olsen P | | "ADJUSTED | |
| Bray P1 | | RECOMMENDATIONS | |
| Limestone Recommendations | nendations | Adjust Nitroger | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |

Previous Crop: None Specified

Optimum Ranges:

Water pH: 6.3 - 6.8 Phosphorus: 45 - 75 Potassium: 320 - 400

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Buffer pH

Pota-ssium Calcium ounds Per Acre

Organic Matter

Mang-anese Boron Iron

SS dS/m

NO3-N PPM Sun

Bray P2 Olsen

Percent Saturation

meq/ 100g

Parts Per Million

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton

2004 Rte 17E Gold Star FS-Aledo

PO Box 129 Aledo, IL 61231-0129

Order No: 304666

Report Date: 07/15/2015 Client ID: 43329

Farm Name: Wilder Farm 40 Field Name: 13

Field Acres:

| Walter pH 6.3 Low Optim. High V High V High Intended Crop Phosphorus 63 Intended Crop Yield Goal Calcium 5064 Yield Goal Calcium 1029 Build-up Organic Matter 2.8 Build-up Sulfur Crop Removal: IL Manganese **TOTAL REQUIRED Boron Cropper Copper Credits: High Fertility Olsen P RECOMMENDATIONS | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. | nendations for Previous Crop or other N Sources. | nendations for Previous Crop or other N Sources. | nendations for Previous Crop or other N Sources. | nendations for Previous Crop or other N Sources. | nendations for Previous Crop or other N Sources. | nendations for Previous Crop or other N Soul | nendations for Previous Crop or other | nendations for Previous Cro | nendations for I | nendation | 3 | ecomn) | ogen F | djust Nit | A | | | | | | | | Limestone Recommendations | e Recom | Limestor |
|--|---|--|--|--|--|--|--|---------------------------------------|-----------------------------|------------------|-----------|------------|--------|--------|-----------|-----------|-------------|-----------|--------|-------|-------------|-----|--------|---------------------------|---------|-----------|
| Field Median V Low Low Optim. High V High 5064 Crop R 2.8 Crop R Crop R Credits: 1 | | | | | | | - | | | | | - | | | | ATIONS | MMEND/ | RECO | | | | | | | 10 | Bray |
| Field Median V Low Low Optim. High V High 6.3 Intended Crop 316 Yield Goal 5064 Build-up 2.8 Crop Removal: IL -Credits: High Fertility | | | | | | | | | | | | | | | | Ö | TSULDA | , | | | 1 | 1 | 1 | | יסר | Olsen |
| Field Median V Low Low Optim. High V High 6.3 | | | | | | | | | | | | | | | | cromy | i ign | Or Conta. | | | 1 | - | | | 3 | Sodiu |
| Field Median V Low Low Optim. High V High 6.3 | | | | | | | | | | | | | | | | Fortility | Ligh | Cradite | | | | | | | er | Copp |
| Field Median V Low Low Optim. High V High 6.3 | | | | | | | | | | | | | | | | | | | | | | | | | | iror |
| Field Median V Low Low Optim. High V High 6.3 | | | | | | | | | | | | | | | | URED | AL REC | 101. | | | | | | | 3 | Вого |
| Field Median V Low Low Optim. High V High 6.3 | | | | | | | | | | | | | | | L | | | | | | | | | | lese | Mangar |
| Field Median V Low Low Optim. High V High 6.3 | | | | | | | | | | | | | | | | יעמו. ור | אָר אפוויים | ć | | | | | | | | Zinc |
| Field Median V Low Low Optim. High V High 6.3 | | | | | | | | | | | | | | | | = | 5 D | 2 | | | | | | | 7 | Sulfi |
| Field Median V Low Low Optim. High V High 6.3 | | | | | | | | | | | | | | | ō | Build-i | | | | | | | 2.8 | | Matter | Organic I |
| Field Median V Low Low Optim. High V High | | | | | | | | | | | | | | | | : | | | | | | | 29 | 10 | ium | Magnes |
| Field Median V Low Low Optim. High V High 6.3 Intended Crop 316 Yield Goal | | | | | | | | | | | | | | | | | | | | | | | 64 | 50 | ä | Calci |
| Field Median V Low Low Optim. High V High 6.3 Intended Crop | | | | | | | | | | | | | | | <u>o</u> | Yield Go | | | | | | | 16 | 3 | ium | Potass |
| Field Median VLow Low Optim. High VHigh | | | | | | | | | | | | | | | ð | nded Cro | Inte | | | | | | 63 | | orus | Phosph |
| Fertility Level V Low Optim. High V High | | | | | | | | | | | | - | | | 1 | | | | | | | | 6.3 | | 모 | Water |
| | | | | | | | | | | | | | | | | | | | V High | High | Optim. | | | Field Media | | |
| | Recommendations are in Pounds per Acre | Recommendations are in Pounds per Acre | Recommendations are in Pounds per Acre | Recommendations are in Pounds per Acre | Recommendations are in Pounds per Acre | Recommendations are in Pounds per | Recommendations are in Pound | Recommendations are in | Recommendation | Recor | | rtilizer I | -T | | | | | | | vel | ertility Le | | | | | |
| | C | C4 | | | | | | | | | | | | | | | | | į | | | | | | | Median |
| 5 | | 627 212 20 | 62 7 21 2 | 827 | | | | | | 1 | 7 | | | | - | | _ | 2.8 | 1029 | 064 | | | | | 6. | Field |
| Field 6.3 6.9 63 316 5064 1029 2.8 | 62.7 21.2 2.0 13.8 | | | 62.7 : | | | | | | | | | | | | | | 2.8 | 1029 | | 316 5 | | | | 6. | 1 |
| 6.3 6.9 63 316 5064 1029 6.3 6.9 63 316 5064 1029 | Surf Total P Ca Mg K H | Surf Total P Ca Mg K | Surf Total P Ca Mg | Surf Total P Ca | Surf Total P | Surf | Surf | Surf | | _ | SS | Sodium | Copper | iron | se Boron | | ulfur Z | /atter Si | ┞ | ne ne | m Calc | + | phorus | PH | PH | Sample |
| 6.3 6.9 63 316 5064 1029 6.3 6.9 63 316 5064 1029 | 1 | 1 | 1 | 1 | 1 | | | | | | | - | - | - | • | | | | | _ | | *** | | | - |) |

CONVERSIONS: PPM = Lbs/Acre / 2 or $Lbs/Acre = PPM \times 2$

Previous Crop: None Specified

Water pH: 6.3 - 6.8 Optimum Ranges:

Phosphorus: 45 - 75 Potassium: 320 - 400

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Samples Submitted by: Denny Fullerton Special Report For: Wilder Farm 40

2004 Rte 17E Gold Star FS-Aledo

Aledo, IL 61231-0129 PO Box 129

Order No: 304666

Report Date: 07/15/2015 Client ID: 43329

Farm Name: Wilder Farm 40 Field Name: 17

Field Acres:

| - | | | - | | | | | | *************************************** | | | | | | | | | | | | | | | meq/ |
|--|--|--------|-------|----------|---------|------|---------|--------|---|-------|-------------------|--------|-------|-----------------------------|------|-------|-------|---------------|------|-----------|--------------------|--------------|---------|----------|
| Marine Contract Ann | - | 1 | | Pounds ! | er Acre | | Percent | - | | Par | Parts Per Million | Milion | | | dS/m | Mdd | | Lbs/Ac | - | Perce | Percent Saturation | ation | | 100g |
| 2 | Water | Buffer | Phos- | Pota- | | Mag- | Organic | | | Mang- | | | | | | NO3-N | | Bray P2 Olsen | | | | _ | _ | |
| Sample | PI | ŀ | | ssium | Calcium | | Matter | Sulfur | Zinc | anese | Boron | ron | Coppe | Boron Iron Copper Sodium SS | SS | Surf | Total | - | င္မ | <u></u> | Χ. | I | Na - | CEC - |
| _ | 6.3 | 6.8 | 70 | 305 | | 1095 | 3.8 | | | | | | | | | | | | 64.7 | | 1.7 | -+ | - 1 | 23.5 |
| 2 | 6.1 | 6,6 | 82 | 351 | 7060 | 1317 | 3.7 | | | | | - | | | | | | | 61.8 | 61.8 19.2 | <u>.</u> 6 | 1.6 17.2 .19 | 19 | 28.6 |
| Field Median | 6.2 | 6.7 | 76 | 328 | 6576 | 1206 | 3.8 | | | | | | | | | | | | 63.3 | 63.3 19.3 | 1.6 | 1.6 15.6 | | 26.0 |
| The same of the sa | The state of the s | | - | | | | | | | | | _ | ~ | | | | _ | | - | _ | - | _ | _ | _ |

| | בי ווווא רפיים | | |
|---------------------------|---|------------------------|---|
| Fie | Field Median V Low Low Optim. High V High | | י פונייולפי אפרטווייוופויטמוטווא מיפ ווי רטטווטא ספו אכופי |
| Water pH | 6.2 | | |
| Phosphorus | 76 | Intended Crop | |
| Potassium | 328 | Yield Goal | |
| Calcium | 6576 | | |
| Magnesium | 1206 | | |
| Organic Matter | 3.8 | Build-up | |
| Sulfur | | | |
| Zinc | | Crop Removal: IL | |
| Manganese | | | |
| Boron | | **TOTAL REQUIRED | • |
| lron | | | |
| Copper | | Credits: High Fadility | |
| Sodium | | 9 | |
| Olsen P | | **ADJUSTED | |
| Bray P1 | | RECOMMENDATIONS | |
| Limestone Recommendations | indations | Adjust Nitroge | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |

Previous Crop: None Specified

Optimum Ranges:

Phosphorus: 45 - 75 Potassium: 350 - 430 Water pH: 6.3 - 6.8

*Phosphorus value is reported as a Bray P1 number based on a Mehilch III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton

2004 Rte 17E Gold Star FS-Aledo

PO Box 129 Aledo, IL 61231-0129

Order No: 304666

Report Date: 07/15/2015 Client ID: 43329

Farm Name: Wilder Farm 40 Field Name: 22

Field Acres:

| | | | Pounds | Per Acre | | Percent | | | Par | s Per Mi | on I | | | dS/m | Mdd | | Lbs/Ac | | Perce | nt Satur | ation | | 100g |
|--------|---|------------|---|--|---|--|-----------------------------|-----------------------------|-----------------------------|--|--|--|--|--|--|--|--|--|--|---|---|--|--|
| Water | Buffer | Phos- | Pota- | | Maq- | Organic | | | Mang- | | | | | | NO3-N | Bra | y P2 Olsen | - | | | | | |
| 모 | ድ | phorus. | | Calcium | nesium | Matter | | Zinc | anese | Boron | ron | Copper | Sodium | SS | ٦, | | ס | | | 7 | I | Na | CEC |
| 6.6 | 7.1 | 59 | 241 | - 1 | | | | | | | | | | | | | | 70.8 | 20.1 | 1.4 | 7.4 | .28 | 21.7 |
| 6.5 | 7.0 | 70 | 273 | 5186 | 793 | | | | | | | | | | | | | 70.5 | 18.0 | 1.9 | 9.4 | .27 | 18.4 |
| 6.5 | 7.0 | 135 | 468 | 4968 | 795 | | | | | | | | | | | | | 68.7 | 18.3 | သ | 9.4 | .23 | 18.1 |
| 6.9 | 7.4 | 90 | 368 | 4986 | 674 | | | | | | | | | | | | | 77.4 | 17.4 | 2.9 | 1.8 | .42 | 16.1 |
| 2 2 | 7.1 | CE | 23 | - 1 | | | | | | | | | | | | | | 306 | 18 1 | - 1 | 8.4 | - 1 | 18.2 |
| 0.0 | : | 8 | 6 | ĺ | | | | | | | | | | | | | | | | | | 1 | |
| \neg | | | Ferti | lity Level | | | | | | | | Fe | rtilizer F | econ | mendations are in | Pounc | ls per Acı | 9 | | | | | |
| Ī | eld Median | | Low | | | 3 | | | | | | | | | | | | | | | | | |
| PH | 6. | 6 | を できる できる できる かんきん かんかん かんかん かんかん かんかん かんかん かんかん かん | 2 | | | - | | | | | | | | | | | | | | | | |
| sno | 80 | | | | | L | = | Hende | dorop dorop | | | | | | | | | | | | | | |
| m | 321 | | | | | L | | Yiel | d Goal | | | | | | | | - | | | | | | |
| 3 | 5086 | 0 | | _ | | L | | | | | | | | | | | | | | | | | |
| ium | 794 | | | | | L | | , | | | | | | | | | - | | | | | | |
| Matter | 3 | 9 | | | | L | | α | du-pin | | | | | | | | | | | | | | |
| 7 | | | | | | _ | Cron Re | moval | = | | | | | | | | | | | | | | |
| | | | | | | | 0.00 | 210 | · i | | | | | | | | | | | | | | |
| lese | | | | _ | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | _ | OTAL R | EQUIF | É | | | | | | | | | | | | | | |
| | | | | | | T | | | | | | | | | | | | | | | | | |
| er | | | | | | Crec | | igh Fe | dility — | | | | _ | | | | | | | | | | |
| 3 | | | | | | T | | 275 | | | | | | | - | | | | | | | | |
| ٥ | | | | + | | R | COMME | NDATIO | SNC | | | | | | | | | | | | | | - |
| | Sample PH 1 6.6 2 6.5 3 6.5 4 6.9 4 | Field Medi | Her Buffer Photo 6.6 7.1 6.6 7.0 6.5 7.0 1 6.6 7.1 Field Median VLI 6.6 80 321 5086 794 3.9 | Feld Median VLow Low Constant Some Source of Source Source of Sour | Fertility Lev Fortility Lev 5986 9.39 9.39 9.39 9.39 9.39 9.39 9.39 9.3 | Pounds Per Acre Phos- Pota- Marter Phos- Salum Calcium nes | Pounds Per Acre Percent Perc | Pounds Per Acre Percent Perc | Pounds Per Acre Percent Part Phots Polta Phot Phots Polta Phot Phots P | Pounds Per Acre Percent Parts Per Millon | Pounds Per Acre Percent Parts Per Millon | Pounds Per Acre Percent Parts Per Millon | Pounds Per Acre Percent Pe | Pounds Per Acre Percent Pe | Pounds Per Acre Percent Pe | Pounds Pounds Porta Percent Percent Percent Pota Pert Protators Pota Protators Protators | Pour Pour | Pour Pour | Pounds P | Pount Poun |

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM \times 2

Limestone Recommendations

Bray P1

**ADJUSTED
RECOMMENDATIONS

Adjust Nitrogen Recommendations for Previous Crop or other N Sources

Previous Crop: None Specified

Optimum Ranges: Phosphorus: 45 - 75 Potassium: 320 - 400 Water pH: 6.3 - 6.8

*Phosphorus value is reported as a Bray P1 number based on a Mehiich III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton Gold Star FS-Aledo

PO Box 129 2004 Rte 17E

Order No: 304666

Report Date: 07/15/2015 Client ID: 43329

Farm Name: Wilder Farm 40

Field Name: 23 Field Acres:

Field Median Sample 무 6.7 P 7.2 182 182 Pota-ssium Calcium Pounds Per Acre 216 216 1421 1421 Mag-197 197 Organic Percent 3.6 3.6 Sulfur Zinc Manganese Boron Iron Aledo, IL 61231-0129 Parts Per Million Copper Sodium SS dS/m NO3-N PPM Surf Total Bray P2 Olsen Lbs/Ac 70.5 70.5 16.3 5.5 16.3 Mg. Percent Saturation 5.5 6.8 6.8 .96 .96 CEC meq/ 100g 5.0

| | | Fertility Level | | rentilizer Recomm | imendations are in Founds per Acre |
|---------------------------|-----------------------|-----------------|-----------|--|------------------------------------|
| Fiel | Field Median V Low Lo | Low Optim. High | gh V High | | |
| Water pH | 6.7 | | | | |
| Phosphorus | 182 | | | Intended Crop | |
| Potassium | 216 | | | Yield Goal | |
| Calcium | 1421 | | | | |
| Magnesium | 197 | | | | |
| Organic Matter | 3,6 | | | Build-up | |
| Sulfur | | | | Cron Removal: II | |
| Zinc | | | | T CHIEF CONTROL OF THE CONTROL OF TH | |
| Manganese | | | | | |
| Boron | | | | **TOTAL REQUIRED | |
| Iron | | | | NAME AND DESCRIPTION OF THE PROPERTY OF THE PR | |
| Copper | | | | Credits: High Fertility | |
| Sodium | | | | | |
| Olsen P | | | | TAUJUS IEU | |
| Bray P1 | | | | CCCMMENCATIONS | |
| Limestone Recommendations | ndations | | | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. | revious Crop or other N Sources. |

CONVERSIONS: PFM = Lbs/Acre / Z or Lbs/Acre = PFM x Z

Previous Crop: None Specified

Phosphorus: 45 - 75 Water pH: 6.3 - 6.8 Optimum Ranges:

Potassium: 260 - 340

Phosphorus value is reported as a Bray P1 number based on a Mehich III extraction.

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Samples Submitted by: Denny Fullerton Special Report For: Wilder Farm 40

2004 Rte 17E Gold Star FS-Aledo

PO Box 129

Aledo, IL 61231-0129

Order No: 304665 Client ID: 43329

Farm Name: Wilder Farm 40 Report Date: 07/15/2015

Field Name: K1 Field Acres:

| | | | | Pounds | Pounds Per Acre | | Percent | | | Pa | Parts Per Million | Million | | | dS/m | Mad | - | AAC | | orient C | at matic | 5 |
|-------------|--------|--------|---------|--------|-----------------|--------|---------|--------|------|-------|-------------------|---------|-------|--------------------|------|---------|--------------|---------|-----------|------------------|----------|-----|
| | Mater | Differ | 2 | 0 | | Man | | | | | 4 | | - | - | | | | LEGIT C | | Leicell Salniano | Jach | a L |
| | ANGLE | Buller | rnos- | Pota- | | | Organic | | | Mano- | _ | | _ | - | _ | Z C Z | 0 | 2 | _ | | - | j |
| in a market | 3 | ċ | | | _ | | | ; | ! | | 1 | | | | _ | 1400114 | DIAY TA CISE | Clase | _ | _ | _ | |
| Campio | 7 | 7 | priorus | SSIUIN | Calcium | nesium | Matter | Sullur | Sur7 | anese | Boron fron | ō | Coppe | Copper (Sodium) SS | SS | Sing | Total | 0 | _ | _ | _ | _ |
| • | מ | 1 1 | 20 | - | | | | | | | | | | | 1 | 001 | iolai | - | 0 | Pivi | 7 | |
| _ | 0.0 | 1.1 | 80 | 304 | 53/0 | 1007 | 3.3 | | | _ | | | | | | | | | 67.4 21.1 | | 20 94 | 0 |
| 2 | ע ט | 7 7 | 00 | | | | | | | - | | | | - | | | | | | r | 1 | ľ |
| Median | 0.0 | | 0 | 304 | 53/0 | 7007 | 3.3 | | | | | | | | | | | | 67.4 21.1 | | 2.0 | 9.4 |
| | | | | | _ | | _ | _ | | _ | | | _ | | - | | | | _ | | | |

| | Fertility Level | vel | Entillier Doommondation on in Double and |
|---|--|-------------|--|
| Fje | Field Median V Low Low Optim. High | High V High | r Grunter Necontinuarions are in Founds per Acre |
| Water pH | 6.5 | | |
| Phosphorus | 68 | | Intended Crop |
| Potassium | 304 | | Yield Goal |
| Calcium | 5370 | | |
| Magnesium | 1007 | | |
| Organic Matter | 3.3 | | Build-up |
| Sulfur | | | |
| Zinc | The state of the s | | Crop Removal: IL |
| Manganese | | | |
| Boron | | | **TOTAL REGUIRED |
| lron | | | |
| Copper | | | Credits: High Epdility |
| Sodium | | | |
| Olsen P | | | **ADJUSTED |
| Bray P1 | | | RECOMMENDATIONS |
| Limestone Recommendations | ndations | | Adjust Nitrogen Recommendations for Previous Crop or other N Sources |
| CONVERSIONS: DPM = 1 he/Acre / 2 or 1 he/Acre = DPM v 2 | | | |

Previous Crop: None Specified

Optimum Ranges: Water pH: 6.3 - 6.8

Phosphorus: 45 - 75 Potassium: 320 - 400

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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SS dS/m

Percent Saturation

meq/ 100g CEC

Parts Per Million

Percent

Pounds Per Acre

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Samples Submitted by: Denny Fullerton Special Report For: Wilder Farm 40

Gold Star FS-Aledo

PO Box 129 2004 Rte 17E

Aledo, IL 61231-0129

Order No: 304665 Client ID: 43329

Report Date: 07/15/2015

Farm Name: Wilder Farm 40 Field Name: K2

Field Acres:

Mdd Surf

| | - | - | 2 | | | | - 6 | | - | | and of Million | THE CO | | | - | | TEM | | _ | LDS/AC | | _ | rercent : | rercent Saturato | refcent Saturation |
|---|--------------|----------|----------------|-------|-----------------|-------------|---------|-------------------------|------------------|----------------|----------------|--------|--------|--------------------|-------|-------|--|---------|----|--------|-----------------------------------|---------------|---------------|------------------|------------------------|
| Sample | vvaler buner | | Pnos- | Pota- | 1 | Mag- | Organic | | | | | | | | | | NO3-N | | L. | Bray | Bray P2 Olsen | | | | |
| + | ١ | | Spirits | SSIUM | 10 | nes | ма | Sulfur | Zinc | + | Boron | Iron | Copper | Copper Sodium SS | SS | | Surf | Total | | | ס | Са | Ca Mg | Ca Mg K | Ca Mg |
| · - | 2 0 | 0.9 | 61 | 291 | | | | 3.4 | - | - Constitution | *********** | | | | | | | | | | | 66.3 | 0 | | 1.6 14.0 |
| N . | 0.6 | 7 /2 | 3 3 | 350 | 7 | | | 3.5 | | | | | | | | | | _ | | | | 71.1 | 71.1 16.8 | 2.9 | 2.9 9.0 |
| Median | 6.4 | 7.0 | 69 | 321 | 5245 | 807 | | ა 5 | | | | | | | | | | | | | | 68.7 | 68.7 17.4 | 68.7 17.4 2.3 11 | 68.7 17.4 2.3 11.5 .19 |
| | | | | Fert | Fertility Level | | | | | | | | 5 | | | | | | | | • | | | | |
| | Field Median | 1 | V Low | Low | Optim. High | ligh V High | igh | | | | | | g | Lei Misser Vecouii | Vec o | 100 | Janons an | e in ro | | unas | mendations are in Pounds per Acre | unas per Acre | unds per Acre | unas per Acre | unas per Acre |
| Water pH | | 6.4 | AND POSTER SEE | | | _ | _ | | | | 1 | | | | | | | | | | | | | | |
| Phosphorus | | 69 | | | | | | | Intende | Intended Crop | | | | | | | | | | | | | | | |
| Potassium | | 321 | | | | | | | ∀ | Yield Goal | | | | | | | | | | | | | | | |
| Calcium | | 5245 | | | | | | | - | 0 | | | | | | | | | | | | | | | |
| Magnesium | | 807 | 扩码数据数据数 | | | | | | | | | | | | | | | | | | | | | | |
| Organic Matter | 3 | 3.5 | | | | | | | œ | Build-up | | | | | | | | | | | | | | | |
| Sulfur | | | | | | | | | | = | | | | | | | | | | | | | | | |
| Zinc | | | | | | | | crop r | Crop Removal: IL | 7 | | | | | | | - | | | | | | | | |
| Manganese | | | | | | | I | | | | | | | | | | | | | | | | | | |
| Boron | | | | | | | | **TOTAL REQUIRED | REQUI | RES | | | | | | | | | | | | | | | |
| iron | | | | | | | Π | | i | 1 | | | | | | | | | | | | | | | |
| Copper | | | | | | | გ ე | Credits: High Fertility | Hìoh Fe | i i | | | | - | | | •••• | | | | | | | | |
| Sodium | | | | | | | | | 9 | | | | | | | | | | | | | | | | |
| Olsen P | | | | | | | | œ. | *ADJUSTED | | | | | _ | | | | | | | | | | | - |
| Bray P1 | | | | | | | _ | RECOMMENDATIONS | ENDATIC | SNC | | | | | | | | | | | | | - | | |
| Limestone Recommendations | commendat | lions | | | | | - | | | Adi | ust Nitro | ogen R | comme | ndation | s for | revio | Adjust Nitrogen Recommendations for Previous Crop or other N Sources | ther N | 21 | 11170 | HILCOS | HITCHS | HITCHS | NITCAS | HITCH |
| CONVERSIONS: PPM = 1 he/Acra / 2 or 1 he/Acra = DDM v 2 | NO DOM | - 1 50/0 | 2010 | 1 66/ | - 00 | | | | | | | (| | | | | | | 13 | | | | | | |

CONVERSIONS: PPM = Lbs/Acre / 2 or $Lbs/Acre = PPM \times 2$

Previous Crop: None Specified

Optimum Ranges: Water pH: 6.3 - 6.8 Phosphorus: 45 - 75 Potassium: 320 - 400

Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Samples Submitted by: Denny Fullerton Special Report For: Wilder Farm 40

2004 Rte 17E Gold Star FS-Aledo

Aledo, IL 61231-0129 PO Box 129

> Order No: 304665 Client ID: 43329

Report Date: 07/15/2015 Farm Name: Wilder Farm 40

Field Name: K3 Field Acres:

anese Boron Parts Per Million Iron Copper Sodium SS dS/m N-EON PPM Surf Total Lbs/Ac Bray P2 Oisen P 65.4 14.6 63.5 16.5 61.5 18.3 Percent Saturation 4.9 14.7 5.0 14.4 15.0 CEC meq/ 100g 9.2 8.4

Median

Field

6.3

6.9

100 89

359 335

> 2408 2076

324 372

3.2 33

2242

348

phorus*

ssium | Calcium Pounds Per Acre

> Organic Percent

Matter

Sulfur

Zinc

Mang-

| | Fertility Level | | Fertilizer Recommendations are in Pounds per Acre |
|---------------------------|--|-------------------------|---|
| 1 | | | |
| Field Median V Low | Low Low Optim. High V High | | |
| Water pH 6.3 | | Indianal Comm | |
| S | | Intended Crop | |
| Potassium 335 | | Yield Goal | |
| | September 1995 Septem | | |
| Calcium | | | ` |
| Magnesium 348 | The state of the s | | |
| Organic Matter 3.3 | | Bulla-up | |
| Sulfur | | Cron Removal: | |
| Zinc | | 1 | |
| Manganese | | | |
| Boron | | "TOTAL REQUIRED | |
| fron | | | |
| Copper | | Credits: High Fertility | |
| Sodium | | #AD = 0410 | |
| Olsen P | | BECOMMENDA TIONS | |
| Bray P1 | | | |
| Limestone Recommendations | | Adjust N | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2

Previous Crop: None Specified

Optimum Ranges: Water pH: 6.3 - 6.8 Phosphorus: 45 - 75 Potassium: 290 - 370

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Sample

Water

Pota-ssium Calcium

Organic Matter

Zinc

Mang-anese Boron

Copper Sodium

SS m/Sp

NO3-N PPM Surf

Bray P2 Olsen

Mg

I Na

CEC meq/ 100g

Percent Saturation

Total

Parts Per Million

ounds Per Acre

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton Gold Star FS-Aledo

2004 Rte 17E

Aledo, IL 61231-0129 PO Box 129

Order No: 304665

Report Date: 07/15/2015 Client ID: 43329

Farm Name: Wilder Farm 40

Field Name: K4

Field Acres:

| Field 6.5 Median | 6.5 7. | 7.0 72 | 72 4 | 469 3148 | 18 521 | 21 3.6 |
|---------------------------|--------------|----------|-----------------------|-----------------|----------|--|
| | | | | | | |
| | | | T | Fertility Level | <u>e</u> | |
| | Field Median | an V Low | Low | Optim. | High | ∨ High |
| Water pH | | 6.5 | Property of the Court | | | T |
| Phosphorus | | 72 | | | | |
| Potassium | 4 | 469 | | | | |
| Calcium | 31 | 3148 | | | | |
| Magnesium | (h | 521 | | - | | |
| Organic Matter | | 3.6 | | 長衛 | | |
| Sulfur | | | | | | |
| Zinc | | | - | | | |
| Manganese | | | | | | |
| Boron | | | | | | |
| Iron | | _ | | | | |
| Copper | | | | | | Crop Removal: 1 |
| Sodium | | | | | | g , |
| Olsen P | | | | | | Crop Removal: IL **TOTAL REQUIRED Credits: High Fertility |
| Bray P1 | | | | | | . 9 . |
| Limestone Recommendations | | | | | | Crop Removal: "*TOTAL REQUIRED Credits: High Fertilii RECOMMENDATIONS |

CONVERSIONS: FFM = LDS/AGRE / A OF LDS/AGRE = FFM X A

Previous Crop: None Specified

Water pH: 6.3 - 6.8 Optimum Ranges:

Potassium: 290 - 370 Phosphorus: 45 - 75

Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton Gold Star FS-Aledo

2004 Rte 17E

Aledo, IL 61231-0129 PO Box 129

Order No: 304665

Report Date: 07/15/2015 Client ID: 43329

Farm Name: Wilder Farm 40

Field Name: K5 Field Acres:

| _ ~ | 7 | | - | | |
|---|---------------|-----------------------------------|---------------|--------------------|------|
| 7.2 | 7.2 | Ę | Buffer | | |
| 96 | 96 | phorus* | Phos- | | |
| 482 | 482 | ssium | Pota- | Pounds Per Acre | |
| 2626 | 2626 | Calcium | | Per Acre | |
| 570 | 570 | nesium | Mag- | | |
| 3.6 | 3.6 | Matter | Organic | Percent | |
| | | Sulfur Zinc | | | |
| | | | | | |
| | | anese | Mang- | Par | |
| | | Boron | | Parts Per Million | |
| | | Iron | | ilion | |
| | | Copper | | | |
| | | anese Boron Iron Copper Sodium SS | | | |
| | | SS | | dS/m | |
| | | Surf Total | NO3-N | Mdd | |
| | | | Bray P2 Olsen | Lbs/Ac | |
| 0 | 6 | 9 | sen | | |
| 64.7 23.4 6.1 5.4 .36 10.1 | 64.7 23.4 6.1 | Ca Mo | | Pe | |
| 6.4 | 6 | Z | | rcent Sa | |
| , <u>, , , , , , , , , , , , , , , , , , </u> | .1 5.4 | x | | Percent Saturation | |
| .36 | 4 .36 | Na | | | |
| 10.1 | 10.1 | CEC | | 100g | mea/ |
| | | | | | |

Field Sample

6.7 6.7

| Intended Crop | |
|--|--|
| Yield Goal | |
| | |
| | |
| Bulla-up | |
| n Removal: | |
| | |
| | |
| AL REQUIRED | |
| The second secon | |
| High Fertility | |
| | |
| ACCOUNTED | |
| MACALONO | The second secon |
| Adjust Nitrogen Recommendations for Previous Crop or other N Sources. | er N Sources. |
| [| Intended Crop Yield Goal Build-up Crop Removal: IL **TOTAL REQUIRED Credits: High Fertility **ADJUSTED RECOMMENDATIONS Adjust Nilrogen Recommendations for Previous Crop or other |

Previous Crop: None Specified

Optimum Ranges: Water pH: 6.3 - 6.8

Potassium: 290 - 370 Phosphorus: 45 - 75

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton Gold Star FS-Aledo

PO Box 129 2004 Rte 17E

Aledo, IL 61231-0129

Order No: 304665

Report Date: 07/15/2015 Client ID: 43329

Farm Name: Wilder Farm 40 Field Name: K6

Field Acres:

| | | ALL MILE | | | | | | | | | | the Party and Publishers and Publish | | | | | |
|--|---------------|-----------------|------------|---------|-------------------------|---------------|--------|-------------------|-------|-------------------|--------|--|-----------|--|-----------|--------------------|------|
| D. Fr | ┥ | 3 | | rercent | | - | Parts | Parts Per Million | 7 | | dS/m | Mdd | | Lbs/Ac | | Percent Saturation | Satu |
| Sample pH pH ph | phorus* ssium | Calcium | Mag- | Organic | Sulfin | Zing M | Mang- | | | 2 | 3 | NO3-N | | Bray P2 Olsen | | | |
| 6 71 | 1 | 7 | 200 | 4 | + | + | | DOI OIL | +- | Copper Society SS | 30 | Surf | Total | -0 | Ca | Mg | ~ |
| | | 1 | | 3./ | | - | _ | | | | | | | | 66.1 22.4 | | 2.6 |
| Median 0.5 /.1 | /4 305 | 5 3962 | 807 | 3.7 | - | | | | | | | | | | 66.1 22.4 | | 2.6 |
| | | | | | | - | - | - | - | - | | | | | | | 1 |
| | Fe | Fertility Level | | | | | _ | - | | E adilia | | | | | | | 1 |
| Field Median | V Low Low | Optim. High | igh V High | -1 | | | | | | Leithia | Keco | refulizer Recommendations are in Pounds per Acre | e in Pour | ids per Acre | | | |
| Water pH 6.6 | | | | | | | - | | | | | | | | | | |
| | | | | | Inte | Intended Crop | ğ | | | | | | | | | | |
| <i>(</i>) | | | | | | Yield Coal | 2 | | | | | | | | | | |
| Calcium 3962 | | | | | | 2 | - | | | _ | | | | | | | |
| Magnesium 807 | | | | ! | | | | | | | | | | | | | |
| Organic Matter 3.7 | | | | ! | | Build-up | Ê | | | | | | | | | | |
| Sulfur | | | | |) | | - | | | | | | | | | | |
| Zinc | | | | | Crop Removal: IL | oval: | _ | | | | | | | | | | |
| Manganese | | | | | | | | | | | | | | - | | | |
| Boron | | | | | **TOTAL REQUIRED | | _ | | | | | | | | | | |
| lron | | | | | i | | Ľ | | | | | | | | | | |
| Copper | | | | Credits | Credits: High Eartility | Fortilit | | | | | | | | ·************************************* | | | |
| Sodium | | | | 900 | | a crant | y | | | | | | | - | | | |
| Olsen P | | | | | **ADJUSTED | Ë | | | | | | | | | | | |
| Bray P1 | | | | RECO | RECOMMENDATIONS | ATIONS | | | | | | - | | | | | |
| Limestone Recommendations | | | | | | | Adjust | Nitroger | Recon | mendation | ne for | Adjust Nitrogen Recommendations for Previous Crop or other N. Sources | ther N Co | | | | 1 |
| CONVERSIONS - DDM = he/Acre / 2 or he/Acre - DDM - 2 | 70 Ar ba/A | - DD1 | | | | | | | | 0.000 | 0 | CALCOS CLOP OF O | 1100 | dices. | | | |

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2

Previous Crop: None Specified

Optimum Ranges: Water pH: 6.3 - 6.8

Phosphorus: 45 - 75 Potassium: 290 - 370

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40 Samples Submitted by: Denny Fullerton

Gold Star FS-Aledo 2004 Rte 17E

PO Box 129 Aledo, IL 61231-0129

> Order No: 294937 Client ID: 43329

Report Date: 07/23/2014
Farm Name: Wilder Farm 40

Field Name: 6
Field Acres:

| | | | The same of the sa | Pounds | Pounds Per Acre | | Percent | | | Part | Parts Per Million | illion | | | mS/cm | Mdd | Lbs/Ac | ام | roent S | Percent Saturation | ă | |
|-----------------|-------|--------|--|--------|-----------------|--------|---------|--------|------|-------------|-------------------|--------|--------|-----------------------|-------|------------|---------------|---------------|---------|--------------------|----------|----------|
| | Water | Buffer | Phos- | Pota- | | | Organic | | | Mang- | | | | | | NO3-N | Bray P2 Olsen | | - | - | - | - 1 |
| Sample | PH | Ig | phorus* | ssium | Calcium | nesium | Matter | Sulfur | Zinc | anese Boron | Boron | Iron | Copper | Iron Copper Sodium SS | SS | Surf Total | | Ca | ō - | _ _ | Na | |
| _ | 6.9 | 7.5 | 75 | 298 | 8 6403 | 1450 | 3.2 | 10 | | | | | | | | | | 70.3 26.5 1.7 | 6.5 | - 1 | <u>س</u> | 2 |
| 2 | 6.9 | 7.5 | 71 | 374 | 7458 | 1875 | 3.1 | | | | | | | | | - | | 67.1 2 | 1 28.1 | | | <u> </u> |
| ω | 7.4 | 8.0 | 52 | 314 | 5185 | 982 | 2.8 | | | | | | | | | | | 74.0 23.4 | | | | ώ |
| 4 | 6.7 | 7.3 | 78 | 338 | 3 7765 | 1817 | 2.6 | | | | | | | | | | | 66.1 2 | - 1 | - 1 | | .19 |
| S | 6.9 | 7.5 | 40 | 302 | 2 5198 | 927 | 2.8 | | | | | | | | | 1 | A destroited | 74.3 22.1 | | 2.2 1.1 | | .28 |
| Field Median | 6.9 | 7.5 | 71 | 314 | 6403 | 1450 | 2.8 | | | | | | | | | | | 70.3 25.8 1.7 | 5.8 | | | |

| | Fertility Level | | π. | Fertilizer Recommendations are in Pounds per Acre |
|---------------------------|-----------------|--------|--------------------------|---|
| Field Median | V Low Low | ∨ High | 9 | |
| Water pH 6 | 6.9 | | | |
| | 71 | | Intended Crop | |
| Potassium 314 | 14 | | Yield Goal | |
| Calcium 6403 | 73 | | | |
| Magnesium 1450 | 50 | | | |
| Organic Matter 2 | 2.8 | | Build-up | |
| Sulfur | | | Con Domaini. II | |
| Zinc | | | CLOD Relifoval: IF | |
| Manganese | | | | |
| Boron | | | **TOTAL REQUIRED | |
| Iron | | | | |
| Copper | | | Credits: High Fertility | |
| Sodium | | T | | |
| Olsen P | | | **ADJUSTED | |
| Bray P1 | | | RECOMMENDATIONS | |
| Limestone Recommendations | | | Adjust Nitrogen Recommer | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2

Previous Crop: None Specified

Optimum Ranges: Water pH: 6.3 - 6.8

Water pH: 6.3 - 6.8 Phosphorus: 45 - 75 Potassium: 320 - 400

Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Samples Submitted by: Denny Fullerton Special Report For: Wilder Farm 40

2004 Rte 17E Gold Star FS-Aledo

PO Box 129 Aledo, IL 61231-0129

Order No: 294937 Client ID: 43329

Report Date: 07/23/2014

Farm Name: Wilder Farm 40

Field Name: 7

Field Acres:

| Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |
|---|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| 0 |
| Fertilizer Recommendations are in Pounds per Acre |
| |
| |
| |
| |
| |
| Copper Sodium SS |
| |
| mS/cm |

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2

Previous Crop: None Specified

Optimum Ranges:

Water pH: 6.3 - 6.8 Phosphorus: 45 - 75

Potassium: 350 - 430

Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton Gold Star FS-Aledo

2004 Rte 17E PO Box 129

Aledo, IL 61231-0129

Order No: 294937 Client ID: 43329

Farm Name: Wilder Farm 40 Report Date: 07/23/2014

Field Name: 8 Field Acres:

| | | | | | | | | | | | | | | | | | | | | | | | | | _ | meq/ |
|-----------------|-------|--------|---------|----------|----------|--------|---------|-------------|------|-------|-------------------|--------|--------|-----------------------------|-------|----|-------|-------|---------------|-------|-----------|-----------|--------------------|----------|-----|------|
| | | | | Pounds I | Per Acre | | Percent | | | Par | Parts Per Million | illion | | | mS/cm | PF | Wc | | Lbs/Ac | /Ac | | Percent | Percent Saturation | ton | | 100g |
| | Water | Buffer | Phos- | Pota- | | | Organic | | | Mang- | | | | | | NO | NO3-N | | Bray P2 Olsen | Olsen | | | | | | |
| Sample | 막 | 모 | phorus* | ssium | Calcium | nesium | Matter | Sulfur Zinc | Zinc | anese | - | Iron | Copper | Boron Iron Copper Sodium SS | SS | | ٦. | Total | | סי | Ca | Μg | Mg K H Na | x | | CEC |
| | 6.2 | 6.8 | 60 | 364 | | 1503 | 3.0 | | | | | | | | | | | | | | 60.2 | 60.2 21.3 | 1.6 16.8 | 16.8 | | 29.4 |
| 2 | 6.9 | 7.5 | 39 | 362 | 7272 | 1295 | 3.1 | | | | | - | | | | | | | | | 74.3 22.0 | 22.0 | 1.9 | | .22 | 24.5 |
| Field Median | 6.5 | 7.1 | 49 | 363 | 7173 | 1399 | 3.1 | | | | | | | | | | | | | | 67.2 21.7 | 21.7 | 1.7 | 9.2 | .19 | 26.9 |

| Fie | Field Median V Low Coxtim, High V High | | Fertilizer Recommendations are in Pounds per Acre |
|---------------------------|--|-------------------------|---|
| Water pH | | | |
| Phosphorus | 49 | Intended Crop | |
| Potassium | 363 | Yield Goal | |
| Calcium | 7173 | | |
| Magnesium | 1399 | | |
| Organic Matter | 3.1 | Build-up | |
| Sulfur | | Con Domosol: | |
| Zinc | | Clop Kellioval. IL | |
| Manganese | | | |
| Boron | | **TOTAL REQUIRED | |
| lion | | | |
| Copper | | Credits: High Fertility | |
| Sodium | | | |
| Olsen P | | **ADJUSTED | |
| Bray P1 | | RECOMMENDATIONS | |
| Limestone Recommendations | endations | Adjust Nitrogen F | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2

Previous Crop: None Specified

Optimum Ranges: Water pH: 6.3 - 6.8 Phosphorus: 45 - 75 Potassium: 350 - 430

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton Gold Star FS-Aledo

2004 Rte 17E PO Box 129

Aledo II 61231-0129

Order No: 294937 Client ID: 43329

Report Date: 07/23/2014 Farm Name: Wilder Farm 40

Field Name: 10 Field Acres:

| | | | | | | | | | | Ĭ | , IC | . 017 | Aledo, IL 6 IZ3 I-0 IZ9 | ď | | | | | | | | | | | | meq/ |
|--|-------|--------|---------|--------|-----------------|--------|---------|--|------|------------------------------|-------------------|---------|-------------------------|------------------|-------|-------|------------|------|---------------|-------|---------------|--------------------|----------|------|------------|------|
| | | | | Pounds | Pounds Per Acre | | Percent | | | Pa | Parts Per Million | Million | | | mS/cm | Wdd | | | Lbs/Ac | C | - | Percent Saturation | Satura | aton | | 100g |
| | Water | Buffer | Phos- | Pota- | | Мад- | Organic | | | Mang- | | | | | | NO3-N | 2 | Bra | Bray P2 Olsen |)isen | | | | | | |
| Sample | PH | | phorus* | ssium | Calcium | nesium | Matter | Sulfur | Zinc | Sulfur Zinc anese Boron Iron | Boron | iron | Copper | Copper Sodium SS | SS | s | Surf Total | otal | | ס | Ca | Mg | 7 | = | Na | CEC |
| _ | 6.7 | 7.3 | 71 | 314 | 5067 | 928 | 2.9 | | | | | | | | | | | | | | 69.7 21.3 2.2 | 21.3 | 2.2 | 6.6 | .22 | 18.2 |
| 2 | 6.7 | 7.3 | 38 | 252 | 3542 | 507 | 2.7 | | | | | | | | | | | | | | 73.6 | 17.6 2.7 | 2.7 | 5.8 | . <u>3</u> | 12.0 |
| ω | 6.1 | 6.7 | 51 | 222 | 3726 | 557 | 2.9 | | | | | | | | | | | | | | 64.7 16.1 | 16.1 | 2.0 17.0 | 17.0 | .24 | 14.4 |
| Field Median | 6.7 | 7.3 | 51 | 252 | 3726 | 557 | 2.9 | | | | | | | | | | | | | | 69.7 | 17.6 2.2 | 2.2 | 6.6 | .24 | 14.4 |
| The real Property lies and the least lies and the lies and the least lies and the least lies and the least lies and the least lies and the lies and the least lies an | | | | | | | | The Party and Party Printers and | | | | | | | | | | | | | | | | | | |

| - | Fernity Level | | Fertilizer Recommendations are in Founds per Acre |
|---------------------------|---|--|---|
| Field | Field Median V Low Low Optim. High V High | | |
| Water pH | | | |
| Phosphorus | 51 | Intended Crop | |
| Potassium | 252 | Yield Goal | |
| Calcium | 3726 | | |
| Magnesium | 557 | | |
| Organic Matter | 2.9 | Build-up | |
| Sulfur | | Crop Demoval: 11 | |
| Zinc | | Ciop Relicidar. In | |
| Manganese | | | |
| Boron | | **TOTAL REQUIRED | |
| Iron | | AND THE RESIDENCE OF THE PROPERTY OF THE PROPE | |
| Copper | | Credits: High Fertility | |
| Sodium | | And the second s | |
| Olsen P | | ADJUSTED | |
| Bray P1 | | XECCMMENUA I ONO | |
| Limestone Recommendations | ndations | Adjust Nitrogen Reco | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |

Previous Crop: None Specified

Phosphorus: 45 - 75 Potassium: 290 - 370 Water pH: 6.3 - 6.8 Optimum Ranges:

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton

2004 Rte 17E Gold Star FS-Aledo

Aledo, IL 61231-0129 PO Box 129

Order No: 294937

Client ID: 43329

Farm Name: Wilder Farm 40 Report Date: 07/23/2014

Field Name: 14 Field Acres:

| .28 | & | 2.4 | 76.6 19.9 | 76.6 | | | | | | | | | | | | 7 | 2 | 8 871 | 5588 | 346 | 91 | 7.6 | 7.0 | Field Median |
|-----|-----|--------|-------------------|------|-------|---------------|-------|-------|-------|-------------|-----------------------------|---------|-------------------|-------|--------|-------|---------|-------|-----------------|--------|-------|--------|-------|-----------------|
| .28 | 1.6 | 2.2 | 76.3 19.6 | 76.3 | | | | | | | | | | | | 8 | 7 2.8 | | | 308 | 71 | 7.5 | 6.9 | 2 |
| .28 | 0.0 | .7 | 76.9 20.2 2 | 76.9 | | | | | | ' 1: | | | | | - | 6 | 15 2.6 | 3 885 | 5623 | | 110 | 7.8 | 7.2 | |
| Na | Ŧ | ~ | Mg. | င္မ | ס | | Total | Surf | SS | Sodiun | Boron Iron Copper Sodium SS | n Iron | | anese | r Zinc | Sulfu | | | Calcium | ssium | L | 말 | 무 | Sample |
| | | | | | Olsen | Bray P2 Olser | | NO3-N | | | | | - | Mang- | | ·- | Organic | Mag- | | Pota- | Phos- | Buffer | Water | |
| | on | Satura | Percent Saturator | | Ac | Lbs/Ac | | PPM | mS/cm | | | Million | Parts Per Million | P | | _ | Percen | | Pounds Per Acre | Pounds | | | | |

| Intended Crop | |
|-------------------------|--|
| Yield Goal | |
| | |
| | • |
| Build-up | |
| Con Bomount | |
| Crop Removal. | |
| | |
| "TOTAL REQUIRED | |
| | |
| Credits: High Fertility | |
| | |
| ADJUSTED | |
| XECOMMENDA TONS | |
| Adjus | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |
| | Intended Crop Yield Goal Build-up Crop Removal: IL **TOTAL REQUIRED Credits: High Fertility **ADJUSTED RECOMMENDATIONS Adjust |

CONVERSIONS: PFM = LOS/AGRE / 2 of LOS/AGRE = PFM × 2

Previous Crop: None Specified

Optimum Ranges: Water pH: 6.3 - 6.8 Phosphorus: 45 - 75 Potassium: 320 - 400

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Samples Submitted by: Denny Fullerton Special Report For: Wilder Farm 40

Gold Star FS-Aledo

PO Box 129 2004 Rte 17E

Aledo, IL 61231-0129

Order No: 294937

Report Date: 07/23/2014 Client ID: 43329

Farm Name: Wilder Farm 40

Field Name: 15 Field Acres:

| | | - | | L | - | | _ | | _ | | | | | | _ | | | | - | | | | | /ledian |
|------|------|----------|--------------------|----------|----------|--------------|-------|-------|-------|--------|-----------------------------------|--------|-------------------|-------|-------------|-------|---------|--------|---------|----------------------|---------|-----|-------|---------|
| 14.2 | . 70 | 3.2 0.0 | 16.2 | 80.4 16 | <u>œ</u> | | | | | | | | | | | 2.5 | | 551 | 4558 | 355 | 103 | 7.8 | 7.1 | Field |
| 1 | | 0.0 | 1 | 0.4 16.2 | g | - | | | | | | | | | | 2.5 | | 551 | 4558 | 355 | 103 | 7.8 | 7.1 | |
| 10 | | | - | Ca Mg | 2 0 | - | Total | Surf | SS | Sodium | anese Boron Iron Copper Sodium SS | Iron | Boron | anese | Sulfur Zinc | Sulfi | | nesium | Calcium | ssium Calcium nesium | phorus* | Hq | 무 | Sample |
| ? | | : | | - | | Bray P2 Olse | | NO3-N | Γ | | | | | Mang- | | a | Organic | Mag- | | Pota- | | - 1 | Water | |
| 100 | | turation | Percent Saturation | Per | - | Lbs/Ac | | Mad | mS/cm | | | illion | Parts Per Million | Pa | | # | Percen | | er Acre | Pounds Per Acre | | | | |
| meq/ | | | | | | | | | | | | | | | | | | | | | | | | |

| _ | | Fertility Level | | Fertilizer Recommenda | mendations are in Pounds per Acre |
|---------------------------|--------------------|--|--------|--|-----------------------------------|
| 77 | Field Median V Low | Low | ∨ High | | |
| Water pH | 7.1 | | | | |
| Phosphorus | 103 | | | Intended Crop | |
| Potassium | 355 | | | Yield Goal | |
| Calcium | 4558 | | | | |
| Magnesium | 551 | | | | |
| Organic Matter | 2.5 | | | Bulla-up | |
| Sulfur | | | | Crop Removal: | |
| Zinc | | A STATE OF THE PARTY OF THE PAR | | | |
| Manganese | | | | | |
| Boron | | | | **TOTAL REQUIRED | |
| lron | | | | | |
| Copper | | | | Credits: High Fertility | |
| Sodium | | | | *AD III OTEO | |
| Olsen P | | | | DECOMMENDATIONS | |
| Bray P1 | | | | | |
| Limestone Recommendations | mendations | | | Adjust Nitrogen Recommendations for Previous | revious Crop or other N Sources. |

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2

Previous Crop: None Specified

Phosphorus: 45 - 75 Potassium: 290 - 370 Water pH: 6.3 - 6.8 Optimum Ranges:

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton

2004 Rte 17E Gold Star FS-Aledo

Aledo, IL 61231-0129 PO Box 129

Order No: 294937

Report Date: 07/23/2014 Client ID: 43329

Farm Name: Wilder Farm 40

Field Acres: Field Name: 16

| | | | | Pounds | Per Acre | | Percent | | | Pari | Parts Per Million | ion | | | mS/cm | Mdd | Š | | Lbs/A | ., | _ | Percent Saturation | Satura | fon | | 100g |
|-----------------|-------|--------|---------|--------|----------|--------|---------|--------|------|-------|-------------------|------|------------------|--------|-------|-----|------|-------|---------------|------|------|--------------------|------------|-----|-----|------|
| | Water | Buffer | Phos- | Pota- | | Mag- | Organic | | | Mang- | | | | | | NO | ž | В | Bray P2 Olsen | Isen | | | | | | |
| Sample | F | PH | phorus* | ssium | Calcium | nesium | Matter | Sulfur | Zinc | | anese Boron Iron | iron | Copper Sodium SS | Sodium | SS | | Surf | Total | | | വ | Mg | ~ | x | Na | CEC |
| > | 6.6 | 7.2 | 57 | 311 | | 1089 | 2.7 | 7 | | | | | | | | | | | | | 69.9 | 20.5 1.8 7.6 | <u>.</u> % | 7.6 | .23 | |
| N | 6.7 | 7.3 | 62 | 303 | 5548 | 1028 | 3.0 | J | | | | | | | | | | | | | 70.2 | 70.2 21.7 2.0 | | | .25 | |
| Field Median | 6.7 | 7.3 | 60 | 307 | 5874 | 1058 | 2.9 | | | | | | | | | | | | | | 70.1 | 70.1 21.1 1.9 5.8 | 1.9 | 5.8 | .24 | |

| | Fertility Level | | Fertilizer Recommendations are in Pounds per Acre |
|---------------------------|----------------------------|--|---|
| Field Median \ | VLow Low Optim. High VHigh | [3] | |
| Water pH 6.7 | | | |
| Phosphorus 60 | | Intended Crop | |
| Potassium 307 | | Yield Goal | |
| | | | |
| 2 | | | |
| Organic Matter 2.9 | | Build-up | |
| Sulfur | | Crop Removal: | |
| Zinc | | Control of the contro | |
| Manganese | | | |
| Boron | | "TOTAL REQUIRED | |
| Iron | | | |
| Copper | | Credits: High Fertility | |
| Sodium | | | |
| Olsen P | | PECOMIENDATIONS | |
| Bray P1 | | ZOCOMMON CALLONS | |
| Limestone Recommendations | | Adjust N | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2

Previous Crop: None Specified

Optimum Ranges:

Phosphorus: 45 - 75 Potassium: 320 - 400 Water pH: 6.3 - 6.8

"Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Samples Submitted by: Denny Fullerton Special Report For: Wilder Farm 40

2004 Rte 17E Gold Star FS-Aledo

PO Box 129

Aledo, IL 61231-0129

Order No: 294937

Report Date: 07/23/2014 Client ID: 43329

Farm Name: Wilder Farm 40

Field Name:

Field Acres:

| | | | | Pounds | Per Acre | | Percent | | | Par | Parts Per Million | illion | | | mS/cm | Mdd | Lbs/Ac | | | Percen | Percent Satura | Percent Saturation |
|-----------------|-------|--------|-------|--------|----------|--------|---------|--------|------|-------|-------------------|--------|--------|---------------------|-------|-------|--------|---------------|------|-----------|----------------|-----------------------|
| | Water | Buffer | Phos- | Pota | Pota | Mag- | Organic | | | Mang- | | | | | | NO3-N | | Bray P2 Olsen | _ | _ | _ | _ |
| Sample | 모 | L | | ssium | Calcium | nesium | Matter | Sulfur | Zinc | anese | Boron | fron | Copper | Copper Sodium SS | SS | Surf | Total | - 1 | - 1 | 0 | P Ca Mg K | P Ca Mg |
| > | 6.1 | 6.7 | 58 | 244 | 5923 | 1201 | 3.1 | | | | | | | | | | | | | | | 60.7 20.5 1.3 17.3 |
| 2 | 6.9 | 7.5 | 55 | | | 1192 | 3.2 | | | | | | | | _ | | | | 72.8 | 72.8 22.8 | 72.8 22.8 1.5 | 72.8 22.8 1.5 2.7 .21 |
| ω | 6.6 | 7.2 | 45 | 219 | 4922 | | 2.9 | | | | | | | | | | | | 70.1 | 70.1 20.1 | 1.6 | 1.6 8.0 |
| Field Median | 6.6 | 7.2 | 55 | 244 | 5923 | 1192 | 3.1 | | | | | | | | | | | | 70.1 | 70.1 20.5 | 70.1 20.5 1.5 | 70.1 20.5 1.5 8.0 .25 |

| | | Fertility Level | | Fertilizer Recomm | mendations are in Dounds per Acre |
|---------------------------|--------------------|-----------------|-------------|---|--|
| F | Field Median V Low | Low Optim. High | High V High | | |
| Water pH | 6.6 | | | | The second secon |
| Phosphorus | 55 | | | Intended Crop | |
| Potassium | 244 | | | Yield Goal | |
| Calcium | 5923 | | | | |
| Magnesium | 1192 | | | | |
| Organic Matter | 3.1 | | | Build-up | |
| Sulfur | | | | | |
| Zinc | | | | Crop Zemoval. IF | |
| Manganese | | | | | |
| Boron | | | | **TOTAL REQUIRED | |
| Iron | | | | | |
| Copper | | | | Credits: High Fertility | |
| Sodium | | | | | |
| Olsen P | | | | **ADJUSTED | |
| Bray P1 | | | | RECOMMENDATIONS | |
| Limestone Recommendations | endations | | | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. | revious Crop or other N Sources. |

CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2

Previous Crop: None Specified

Optimum Ranges:

Phosphorus: 45 - 75 Potassium: 320 - 400 Water pH: 6.3 - 6.8

Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Special Report For: Wilder Farm 40

Samples Submitted by: Denny Fullerton

2004 Rte 17E Gold Star FS-Aledo

Aledo, IL 61231-0129 PO Box 129

> Order No: 294937 Client ID: 43329

Farm Name: Wilder Farm 40 Report Date: 07/23/2014

Field Name: 19 Field Acres:

| | | | | | Pounds Per Acre | er Acre | | Percent | | | Pa | Parts Per Million | Milion | | | mS/cm | מד | Made | | Lbs/Ac | ດ້ | 70 | Percent Saturation | Saturati | 3 | 1009 |
|-----------------|-------|--------|-------|----|-----------------|---------|--------|---------|------------------------------|------|-------|-------------------|--------|------|------------------|-------|----|-------|-------|---------------|-------|-------------------|--------------------|----------|-----|----------|
| | Water | Buffer | Phos- | | Pota- | | | | | | Mang- | | | | | | N | NO3-N | | Bray P2 Olsen | Olsen | | | | - | - |
| Sample | 막 | 모 | phor | - | ssium | Calcium | nesium | Matter | Sulfur Zinc anese Boron Iron | Zinc | anese | Boron | iron | Copp | Copper Sodium SS | n SS | | ₹, | Total | | - | Ca | <u>8</u> | スエ | | Na CEC |
| | 7.2 | 7.8 | 8 | 61 | 309 | 6738 | 1233 | 3.0 | | | | | | | | | | | | | | 75.1 22.9 | 22.9 | 1.8 0.0 | ł | |
| 2 | 6.9 | 7.5 | G | 85 | 383 | 4898 | 650 | 3.1 | | | | | | | | | | | | | | 77.9 17.2 3.1 1.5 | 17.2 | 3.1 | 5 | .21 15.7 |
| 3 | 7.5 | 8.1 | -7 | 57 | 416 | 4618 | 630 | 2.9 | | | | | | | | | | | | | | 78.3 | 17.8 | 3.6 | | .33 14.8 |
| Field Median | 7.2 | 7.8 | - 00 | 61 | 383 | 4898 | 650 | 3.0 | | | | | | | | | | | | | | 77.9 17.8 3.1 0.0 | 17.8 | 3.1 | 0.0 | .25 15.7 |

| | Fertility Level | | Fertilizer Recommendations are in Pounds per Acre |
|---------------------------|------------------------------------|-------------------------|---|
| - | Field Median V Low Low Optim. High | V High | |
| Water pH | | | |
| Phosphorus | 61 | Intended Crop | |
| Potassium | 383 | Yield Goal | |
| Calcium | 4898 | | |
| Magnesium | 650 | | |
| Organic Matter | 3.0 | Build-up | |
| Sulfur | | City Domains. | |
| Zinc | | Crop Keniloval. IL | |
| Manganese | | | |
| Boron | | **TOTAL REQUIRED | |
| Iron | | | |
| Copper | | Credits: High Fertility | |
| Sodium | | | |
| Olsen P | | ADJUSTED | |
| Bray P1 | | RECOMMENDATIONS | |
| Limestone Recommendations | mendations | Adjus | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |

Previous Crop: None Specified

Optimum Ranges:

Water pH: 6.3 - 6.8 Phosphorus: 45 - 75 Potassium: 290 - 370

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Median Field

Sample

phorus* Phos-

Pota-ssium Calcium

nesium Mag-

Organic Matter Percent

Sulfur

Zinc

Mang-anese Boron Iron

Parts Per Million

Pounds Per Acre

6.7

7.3

58 58

338 338

4670 4670

3.2

747 747

LABORATORY ANALYSIS AND RECOMMENDATION REPORT

Samples Submitted by: Denny Fullerton Special Report For: Wilder Farm 40

Gold Star FS-Aledo

PO Box 129 2004 Rte 17E

Aledo, IL 61231-0129

Order No: 294937

Report Date: 07/23/2014 Client ID: 43329

Farm Name: Wilder Farm 40 Field Name: 20

Field Acres:

Copper Sodium SS NO3-N PPM Bray P2 Olsen Percent Saturation

Total

Mg

x

CEC meq/ 100g

72.6 19.4 2.7 5.0 .29 72.6 19.4 2.7 5.0 .29

16.1 16.1

| Adjust Nitrogen Decompositions for Decisions | Adiust | | rinesione veconiniendations |
|---|---|---|-----------------------------|
| | | | City i |
| | RECOMMENDATIONS | | Bray D1 |
| | **ADJUSTED | | Olsen P |
| | Crowner, right county | | Sodium |
| | Credits: High Earlisty | | Copper |
| | i i i i i i i i i i i i i i i i i i i | | ios |
| | TOTAL BEOLIBED | | Boron |
| | To a first of the same of the | | Manganese |
| | Crop Removal: IL | | Zinc |
| | | | Sulfur |
| | Build-up | 3.2 | Organic Matter |
| | | 747 | Magnesium |
| | 000 | 4670 | Calcium 4 |
| | Yield Goal | 338 | Potassium |
| | Intended Crop | 58 | Phosphorus |
| | | 6.7 | Water pH |
| Fertilizer Recommendations are in Pounds per Acre | - | an V Low Low Optim. High V High | Field Median |

Previous Crop: None Specified

Optimum Ranges: Water pH: 6.3 - 6.8

Phosphorus: 45 - 75 Potassium: 320 - 400

Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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Samples Submitted by: Denny Fullerton Special Report For: Wilder Farm 40

2004 Rte 17E Gold Star FS-Aledo

Aledo, IL 61231-0129 PO Box 129

> Order No: 294937 Client ID: 43329

Report Date: 07/23/2014

Farm Name: Wilder Farm 40 Field Name: 21

Field Acres:

| | | | | | | | | | | | | | | | | | | | | | | _7 | nea/ |
|-----------------|-------|--------|-------|-----------------|---------|--|---|--------|------|-------|-------------------|--------|--------|---------------------|-------|------------|---------------|------|-----------|--------------------|---------------|--------|---------|
| | | | | Pounds Per Acre | er Acre | | Percent | | | Par | Parts Per Million | illion | | | mS/cm | Wdd | Lbs/Ac | | Percer | Percent Saturation | ation | | 1000 |
| , | Water | Buffer | Phos- | Pota- | | Mag- | Organic | | | Mang- | | | | | | NO3-N | Bray P2 Olsen | | | | | | |
| Sample | P | L | | ssium | Calcium | _ | Matter | Sulfur | Zinc | anese | Boron | ron | Copper | Copper Sodium SS | SS | Surf Total | י ס | င္ထ | 8 | × | T | Z a | CH C |
| | 6.8 | 7.4 | 116 | 461 | 6545 | 1017 | 3.0 | | | | | | | | | | | 74.0 | 74.0 19.2 | 2.7 | - | | 22.1 |
| 2 | 7.0 | 7.6 | 97 | 447 | 5894 | 860 | 2.9 | | | | | | | | | | | 77.8 | 18.9 | ယ | | | 18.9 |
| ω | 7.1 | 7.7 | 49 | 385 | 4192 | 525 | 3.1 | | | | | | | | | | | 79.4 | 4 16.6 | | 0.0 | | 3 |
| 4 | 6.8 | 7.4 | 79 | 333 | 5700 | 1052 | 3.0 | | | | | | | | | | | 71.9 | 22.1 | 2.2 | <u>ယ</u> ဟ | | 19.8 |
| Field Median | 6.9 | 7.5 | 88 | 416 | 5797 | 939 | 3.0 | | | | | | | | | | | 75.9 | | 2.8 1.7 | 1.7 | - 1 | 19.4 |
| | | | | | | and the same of th | *************************************** | | | | | | | | | | | | | | | _ | L |

| _ | |
|---|---|
| Inter | Crop |
| | Goal |
| | ! |
| | |
| | Build-up |
| | |
| Crop Keine | - |
| | |
| **TOTAL REQ | |
| | |
| Credits: High | |
| | |
| TRULDA: | |
| RECOMMENDA | |
| | Adjust Nitrogen Recommendations for Previous Crop or other N Sources. |
| CONVERSIONS: PPM = Lbs/Acre / 2 or Lbs/Acre = PPM x 2 | |
| <i>→</i> | Crop Remov "TOTAL REQU Credits: High F "ADJUSTEI RECOMMENDAT |

Previous Crop: None Specified

Phosphorus: 45 - 75 Water pH: 6.3 - 6.8 Optimum Ranges:

Potassium: 320 - 400

*Phosphorus value is reported as a Bray P1 number based on a Mehlich III extraction.

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