


















February 5, 2019  
**United Water Conservation Dist**  
 Attn: Mike Ellis  
 106 N. 8th St.  
 Santa Paula, CA 93060  
 Description : 01N21W06J05S:PTP Well #3  
 Project : Pumping Through Pipeline

Lab ID : SP 1901132-001  
 Customer ID : 2000200  
 Sampled On : January 24, 2019  
 Sampled By : Ruben Sanchez  
 Received On : January 24, 2019  
 Matrix : Ground Water

### General Irrigation Suitability Analysis

| Test Description        | Result |       |       |            | Graphical Results Presentation  |                  |                  |                    |                |
|-------------------------|--------|-------|-------|------------|---|------------------|------------------|--------------------|----------------|
|                         | mg/L   | Meq/L | % Meq | Lbs/AF     | Good  | Possible Problem | Moderate Problem | Increasing Problem | Severe Problem |
| <b>Cations</b>          |        |       |       |            |   |                  |                  |                    |                |
| Calcium                 | 55     | 2.7   | 30    | 150        | **  |                  |                  |                    |                |
| Magnesium               | 24     | 2     | 21    | 65         | **  |                  |                  |                    |                |
| Potassium               | 4      | 0.1   | 1     | 11         | **  |                  |                  |                    |                |
| Sodium                  | 102    | 4.4   | 48    | 280        |    |                  |                  |                    |                |
| <b>Anions</b>           |        |       |       |            |   |                  |                  |                    |                |
| Carbonate               | < 10   | 0     | 0     | 0          |    |                  |                  |                    |                |
| Bicarbonate             | 280    | 4.6   | 47    | 760        | **  |                  |                  |                    |                |
| Sulfate                 | 184    | 3.8   | 39    | 500        | **  |                  |                  |                    |                |
| Chloride                | 45     | 1.3   | 13    | 120        |    |                  |                  |                    |                |
| Nitrate                 | < 0.4  | 0     | 0     | 0          |   |                  |                  |                    |                |
| Nitrate Nitrogen        | < 0.1  |       |       | 0          |  |                  |                  |                    |                |
| Fluoride                | 0.3    | 0.016 | 0     | 0.8        |  |                  |                  |                    |                |
| <b>Minor Elements</b>   |        |       |       |            |   |                  |                  |                    |                |
| Boron                   | 0.30   |       |       | 0.82       |  |                  |                  |                    |                |
| Copper                  | < 0.01 |       |       | 0          |  |                  |                  |                    |                |
| Iron                    | 0.40   |       |       | 1.1        |  |                  |                  |                    |                |
| Manganese               | 0.020  |       |       | 0.054      |  |                  |                  |                    |                |
| Zinc                    | 0.040  |       |       | 0.11       |  |                  |                  |                    |                |
| TDS by Summation        | 694    |       |       | 1900       |  |                  |                  |                    |                |
| <b>Other</b>            |        |       |       |            |   |                  |                  |                    |                |
| pH                      | 7.4    |       |       | units      |  |                  |                  |                    |                |
| E. C.                   | 0.919  |       |       | dS/m       |  |                  |                  |                    |                |
| SAR                     | 2.9    |       |       |            |  |                  |                  |                    |                |
| <b>Crop Suitability</b> |        |       |       |            |   |                  |                  |                    |                |
| No Amendments           | Good   |       |       |            |  |                  |                  |                    |                |
| With Amendments         | Good   |       |       |            |  |                  |                  |                    |                |
| <b>Amendments</b>       |        |       |       |            |   |                  |                  |                    |                |
| Gypsum Requirement      | 0.5    |       |       | Tons/AF    | Or 39 oz/1000Gal of urea Sulfuric Acid (15/49)                                      |                  |                  |                    |                |
| Sulfuric Acid (98%)     | 16     |       |       | oz/1000Gal |   |                  |                  |                    |                |
| Leaching Requirement    | 7      |       |       | %          |   |                  |                  |                    |                |

Good  Problem

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

\*\* Used in various calculations; mg/L = Milligrams Per Liter (ppm) meq/L = Milliequivalents Per Liter



February 5, 2019










Lab ID : SP 1901132-001

Customer ID : 2000200

United Water Conservation Dist

Description : 01N21W06J05S:PTP Well #3

### Micro Irrigation System Plugging Hazard

| Test Description       | Result    |       | Graphical Results Presentation   |          |        |
|------------------------|-----------|-------|--|----------|--------|
|                        |           |       | Slight   | Moderate | Severe |
| <b>Chemical</b>        |           |       |  |          |        |
| Manganese              | 0.02      | mg/L  |   |          |        |
| Iron                   | 0.4       | mg/L  |  |          |        |
| TDS by Summation       | 694       | mg/L  |  |          |        |
| <b>No Amendments</b>   |           |       |  |          |        |
| pH                     | 7.4       | units |  |          |        |
| Alkalinity (As CaCO3)  | 230       | mg/L  |  |          |        |
| Total Hardness         | 236       | mg/L  |  |          |        |
| <b>With Amendments</b> |           |       |  |          |        |
| Alkalinity (As CaCO3)  | 46        | mg/L  |   |          |        |
| Total Hardness         | 46        | mg/L  |   |          |        |
| pH                     | 5.4 - 6.7 | units |   |          |        |

Good  Problem

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

#### Water Amendments Application Notes:

The Amendments recommended on the previous pages include:

##### Gypsum:

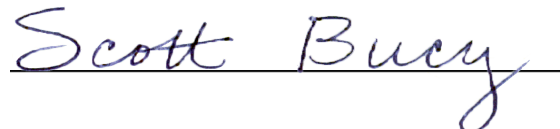
This should be applied at least once a year to the irrigated soil surface area. Gypsum can also be applied in smaller quantities in the irrigation water. Apply the smaller (bracketed) amount of gypsum when also applying the recommended amount of Sulfuric Acid and the larger amount when applying only Gypsum.

##### Sulfuric Acid:

These products should be applied as needed to prevent emitter plugging in micro irrigation systems and/or as a soil amendment to adjust soil pH to improve nutrient availability and to facilitate leaching of salts. Please exercise caution when using this material as excesses may be harmful to the system and/or the plants being irrigated. The reported Acid requirement is intended to remove approximately 80 % of the alkalinity. The final pH should range from 5.4 to 6.7. We recommend a field pH determination to confirm that the pH you designate is being achieved. This application is based upon the use of a 98% Sulfuric Acid product. The application of Urea Sulfuric Acid is based upon the use of a product that contains 15% Urea (1.89 lbs Nitrogen), 49% Sulfuric Acid and has a specific gravity of 1.52 at 68 °F. Guidelines for the above interpretations are sourced from USDA & U.C. Cooperative Extension Service publications. Please contact us if you have any questions.

SB1: EHB

FRUIT GROWERS LABORATORY, INC.




















Scott Bucy, Director of Ag. Services

February 5, 2019  
**United Water Conservation Dist**  
 Attn: Mike Ellis  
 106 N. 8th St.  
 Santa Paula, CA 93060  
 Description : 01N22W13D03S:PTP Well #5  
 Project : Pumping Through Pipeline

Lab ID : SP 1901132-003  
 Customer ID : 2000200  
 Sampled On : January 24, 2019  
 Sampled By : Ruben Sanchez  
 Received On : January 24, 2019  
 Matrix : Ground Water

### General Irrigation Suitability Analysis

| Test Description        | Result      |       |       |            | Graphical Results Presentation   |                  |                  |                    |                |
|-------------------------|-------------|-------|-------|------------|--|------------------|------------------|--------------------|----------------|
| <b>Cations</b>          | mg/L        | Meq/L | % Meq | Lbs/AF     | Good   | Possible Problem | Moderate Problem | Increasing Problem | Severe Problem |
| Calcium                 | 148         | 7.4   | 49    | 400        | **   |                  |                  |                    |                |
| Magnesium               | 34          | 2.8   | 19    | 92         | **   |                  |                  |                    |                |
| Potassium               | 6           | 0.15  | 1     | 16         | **   |                  |                  |                    |                |
| Sodium                  | 107         | 4.7   | 31    | 290        |     |                  |                  |                    |                |
| <b>Anions</b>           |             |       |       |            |  |                  |                  |                    |                |
| Carbonate               | < 10        | 0     | 0     | 0          |     |                  |                  |                    |                |
| Bicarbonate             | 240         | 3.9   | 31    | 650        | **   |                  |                  |                    |                |
| Sulfate                 | 359         | 7.5   | 60    | 980        | **   |                  |                  |                    |                |
| Chloride                | 40          | 1.1   | 9     | 110        |     |                  |                  |                    |                |
| Nitrate                 | < 0.4       | 0     | 0     | 0          |    |                  |                  |                    |                |
| Nitrate Nitrogen        | < 0.1       |       |       | 0          |   |                  |                  |                    |                |
| Fluoride                | 0.2         | 0.011 | 0     | 0.5        |   |                  |                  |                    |                |
| <b>Minor Elements</b>   |             |       |       |            |  |                  |                  |                    |                |
| Boron                   | 0.40        |       |       | 1.1        |   |                  |                  |                    |                |
| Copper                  | < 0.01      |       |       | 0          |   |                  |                  |                    |                |
| Iron                    | 0.55        |       |       | 1.5        |   |                  |                  |                    |                |
| Manganese               | 0.18        |       |       | 0.49       |   |                  |                  |                    |                |
| Zinc                    | 0.020       |       |       | 0.054      |   |                  |                  |                    |                |
| TDS by Summation        | 934         |       |       | 2500       |   |                  |                  |                    |                |
| <b>Other</b>            |             |       |       |            |  |                  |                  |                    |                |
| pH                      | 7.7         |       |       | units      |  |                  |                  |                    |                |
| E. C.                   | 1.21        |       |       | dS/m       |   |                  |                  |                    |                |
| SAR                     | 2.1         |       |       |            |   |                  |                  |                    |                |
| <b>Crop Suitability</b> |             |       |       |            |  |                  |                  |                    |                |
| No Amendments           | Fairly Good |       |       |            |  |                  |                  |                    |                |
| With Amendments         | Good        |       |       |            |   |                  |                  |                    |                |
| <b>Amendments</b>       |             |       |       |            |  |                  |                  |                    |                |
| Gypsum Requirement      | 0.0         |       |       | Tons/AF    | Or 34 oz/1000Gal of urea Sulfuric Acid (15/49)                                       |                  |                  |                    |                |
| Sulfuric Acid (98%)     | 14          |       |       | oz/1000Gal |  |                  |                  |                    |                |
| Leaching Requirement    | 9.5         |       |       | %          |  |                  |                  |                    |                |

Good  Problem

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

\*\* Used in various calculations; mg/L = Milligrams Per Liter (ppm) meq/L = Milliequivalents Per Liter



February 5, 2019










United Water Conservation Dist

Lab ID : SP 1901132-003

Customer ID : 2000200

Description : 01N22W13D03S:PTP Well #5

### Micro Irrigation System Plugging Hazard

| Test Description       | Result    |       | Graphical Results Presentation   |          |        |
|------------------------|-----------|-------|--|----------|--------|
|                        |           |       | Slight   | Moderate | Severe |
| <b>Chemical</b>        |           |       |  |          |        |
| Manganese              | 0.18      | mg/L  |  |          |        |
| Iron                   | 0.55      | mg/L  |  |          |        |
| TDS by Summation       | 934       | mg/L  |  |          |        |
| <b>No Amendments</b>   |           |       |  |          |        |
| pH                     | 7.7       | units |  |          |        |
| Alkalinity (As CaCO3)  | 200       | mg/L  |  |          |        |
| Total Hardness         | 509       | mg/L  |  |          |        |
| <b>With Amendments</b> |           |       |  |          |        |
| Alkalinity (As CaCO3)  | 40        | mg/L  |   |          |        |
| Total Hardness         | 40        | mg/L  |   |          |        |
| pH                     | 5.4 - 6.7 | units |   |          |        |

Good  Problem

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

#### Water Amendments Application Notes:

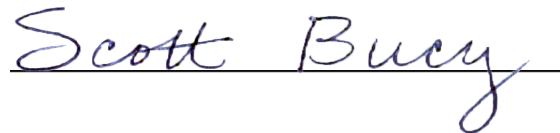
The Amendments recommended on the previous pages include:

#### Sulfuric Acid:

These products should be applied as needed to prevent emitter plugging in micro irrigation systems and/or as a soil amendment to adjust soil pH to improve nutrient availability and to facilitate leaching of salts. Please exercise caution when using this material as excesses may be harmful to the system and/or the plants being irrigated. The reported Acid requirement is intended to remove approximately 80 % of the alkalinity. The final pH should range from 5.4 to 6.7. We recommend a field pH determination to confirm that the pH you designate is being achieved. This application is based upon the use of a 98% Sulfuric Acid product. The application of Urea Sulfuric Acid is based upon the use of a product that contains 15% Urea (1.89 lbs Nitrogen), 49% Sulfuric Acid and has a specific gravity of 1.52 at 68 °F. Guidelines for the above interpretations are sourced from USDA & U.C. Cooperative Extension Service publications. Please contact us if you have any questions.

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Scott Bucy, Director of Ag. Services

February 5, 2019  
**United Water Conservation Dist**  
 Attn: Mike Ellis  
 106 N. 8th St.  
 Santa Paula, CA 93060  
 Description : 01N22W01M03S:PTP Well #4  
 Project : Pumping Through Pipeline

Lab ID : SP 1901132-004  
 Customer ID : 2000200  
 Sampled On : January 24, 2019  
 Sampled By : Ruben Sanchez  
 Received On : January 24, 2019  
 Matrix : Ground Water

### General Irrigation Suitability Analysis

| Test Description        | Result |       |       |            | Graphical Results Presentation  |                  |                  |                    |                |
|-------------------------|--------|-------|-------|------------|---|------------------|------------------|--------------------|----------------|
|                         | mg/L   | Meq/L | % Meq | Lbs/AF     | Good  | Possible Problem | Moderate Problem | Increasing Problem | Severe Problem |
| <b>Cations</b>          |        |       |       |            |   |                  |                  |                    |                |
| Calcium                 | 113    | 5.6   | 45    | 310        | **  |                  |                  |                    |                |
| Magnesium               | 30     | 2.5   | 20    | 82         | **  |                  |                  |                    |                |
| Potassium               | 5      | 0.13  | 1     | 14         | **  |                  |                  |                    |                |
| Sodium                  | 100    | 4.3   | 35    | 270        |    |                  |                  |                    |                |
| <b>Anions</b>           |        |       |       |            |   |                  |                  |                    |                |
| Carbonate               | < 10   | 0     | 0     | 0          |    |                  |                  |                    |                |
| Bicarbonate             | 240    | 3.9   | 31    | 650        | **  |                  |                  |                    |                |
| Sulfate                 | 361    | 7.5   | 60    | 980        | **  |                  |                  |                    |                |
| Chloride                | 40     | 1.1   | 9     | 110        |    |                  |                  |                    |                |
| Nitrate                 | < 0.4  | 0     | 0     | 0          |   |                  |                  |                    |                |
| Nitrate Nitrogen        | < 0.1  |       |       | 0          |  |                  |                  |                    |                |
| Fluoride                | 0.2    | 0.011 | 0     | 0.5        |  |                  |                  |                    |                |
| <b>Minor Elements</b>   |        |       |       |            |   |                  |                  |                    |                |
| Boron                   | 0.50   |       |       | 1.4        |  |                  |                  |                    |                |
| Copper                  | 0.030  |       |       | 0.082      |  |                  |                  |                    |                |
| Iron                    | 0.34   |       |       | 0.92       |  |                  |                  |                    |                |
| Manganese               | 0.14   |       |       | 0.38       |  |                  |                  |                    |                |
| Zinc                    | < 0.02 |       |       | 0          |  |                  |                  |                    |                |
| TDS by Summation        | 889    |       |       | 2400       |  |                  |                  |                    |                |
| <b>Other</b>            |        |       |       |            |   |                  |                  |                    |                |
| pH                      | 7.3    |       |       | units      |  |                  |                  |                    |                |
| E. C.                   | 1.22   |       |       | dS/m       |  |                  |                  |                    |                |
| SAR                     | 2.2    |       |       |            |  |                  |                  |                    |                |
| <b>Crop Suitability</b> |        |       |       |            |   |                  |                  |                    |                |
| No Amendments           | Good   |       |       |            |  |                  |                  |                    |                |
| With Amendments         | Good   |       |       |            |  |                  |                  |                    |                |
| <b>Amendments</b>       |        |       |       |            |   |                  |                  |                    |                |
| Gypsum Requirement      | 0.04   |       |       | Tons/AF    | Or 34 oz/1000Gal of urea Sulfuric Acid (15/49)                                      |                  |                  |                    |                |
| Sulfuric Acid (98%)     | 14     |       |       | oz/1000Gal |   |                  |                  |                    |                |
| Leaching Requirement    | 9.5    |       |       | %          |   |                  |                  |                    |                |

Good  Problem

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

\*\* Used in various calculations; mg/L = Milligrams Per Liter (ppm) meq/L = Milliequivalents Per Liter



February 5, 2019










United Water Conservation Dist

Lab ID : SP 1901132-004

Customer ID : 2000200

Description : 01N22W01M03S:PTP Well #4

### Micro Irrigation System Plugging Hazard

| Test Description       | Result    |       | Graphical Results Presentation   |          |        |
|------------------------|-----------|-------|--|----------|--------|
|                        |           |       | Slight   | Moderate | Severe |
| <b>Chemical</b>        |           |       |  |          |        |
| Manganese              | 0.14      | mg/L  |  |          |        |
| Iron                   | 0.34      | mg/L  |  |          |        |
| TDS by Summation       | 889       | mg/L  |  |          |        |
| <b>No Amendments</b>   |           |       |  |          |        |
| pH                     | 7.3       | units |  |          |        |
| Alkalinity (As CaCO3)  | 200       | mg/L  |  |          |        |
| Total Hardness         | 405       | mg/L  |  |          |        |
| <b>With Amendments</b> |           |       |  |          |        |
| Alkalinity (As CaCO3)  | 40        | mg/L  |   |          |        |
| Total Hardness         | 40        | mg/L  |   |          |        |
| pH                     | 5.4 - 6.7 | units |   |          |        |

Good  Problem

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

#### Water Amendments Application Notes:

The Amendments recommended on the previous pages include:

##### Gypsum:

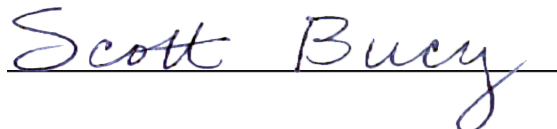
This should be applied at least once a year to the irrigated soil surface area. Gypsum can also be applied in smaller quantities in the irrigation water. Apply the smaller (bracketed) amount of gypsum when also applying the recommended amount of Sulfuric Acid and the larger amount when applying only Gypsum.

##### Sulfuric Acid:

These products should be applied as needed to prevent emitter plugging in micro irrigation systems and/or as a soil amendment to adjust soil pH to improve nutrient availability and to facilitate leaching of salts. Please exercise caution when using this material as excesses may be harmful to the system and/or the plants being irrigated. The reported Acid requirement is intended to remove approximately 80 % of the alkalinity. The final pH should range from 5.4 to 6.7. We recommend a field pH determination to confirm that the pH you designate is being achieved. This application is based upon the use of a 98% Sulfuric Acid product. The application of Urea Sulfuric Acid is based upon the use of a product that contains 15% Urea (1.89 lbs Nitrogen), 49% Sulfuric Acid and has a specific gravity of 1.52 at 68 °F. Guidelines for the above interpretations are sourced from USDA & U.C. Cooperative Extension Service publications. Please contact us if you have any questions.

SB1: EHB

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Scott Bucy, Director of Ag. Services

February 5, 2019  
**United Water Conservation Dist**  
 Attn: Mike Ellis  
 106 N. 8th St.  
 Santa Paula, CA 93060  
 Description : 02N21W32E01S:PTP Well #2  
 Project : Pumping Through Pipeline

Lab ID : SP 1901132-005  
 Customer ID : 2000200  
 Sampled On : January 24, 2019  
 Sampled By : Ruben Sanchez  
 Received On : January 24, 2019  
 Matrix : Ground Water

### General Irrigation Suitability Analysis

| Test Description        | Result |       |       |            | Graphical Results Presentation  |                  |                  |                    |                |
|-------------------------|--------|-------|-------|------------|---|------------------|------------------|--------------------|----------------|
|                         | mg/L   | Meq/L | % Meq | Lbs/AF     | Good  | Possible Problem | Moderate Problem | Increasing Problem | Severe Problem |
| <b>Cations</b>          |        |       |       |            |   |                  |                  |                    |                |
| Calcium                 | 90     | 4.5   | 35    | 240        | **  |                  |                  |                    |                |
| Magnesium               | 37     | 3     | 24    | 100        | **  |                  |                  |                    |                |
| Potassium               | 5      | 0.13  | 1     | 14         | **  |                  |                  |                    |                |
| Sodium                  | 121    | 5.3   | 41    | 330        |    |                  |                  |                    |                |
| <b>Anions</b>           |        |       |       |            |   |                  |                  |                    |                |
| Carbonate               | < 10   | 0     | 0     | 0          |    |                  |                  |                    |                |
| Bicarbonate             | 260    | 4.3   | 32    | 710        | **  |                  |                  |                    |                |
| Sulfate                 | 362    | 7.5   | 57    | 980        | **  |                  |                  |                    |                |
| Chloride                | 48     | 1.4   | 10    | 130        |    |                  |                  |                    |                |
| Nitrate                 | < 0.4  | 0     | 0     | 0          |   |                  |                  |                    |                |
| Nitrate Nitrogen        | < 0.1  |       |       | 0          |  |                  |                  |                    |                |
| Fluoride                | 0.2    | 0.011 | 0     | 0.5        |  |                  |                  |                    |                |
| <b>Minor Elements</b>   |        |       |       |            |   |                  |                  |                    |                |
| Boron                   | 0.50   |       |       | 1.4        |  |                  |                  |                    |                |
| Copper                  | < 0.01 |       |       | 0          |  |                  |                  |                    |                |
| Iron                    | 0.49   |       |       | 1.3        |  |                  |                  |                    |                |
| Manganese               | 0.040  |       |       | 0.11       |  |                  |                  |                    |                |
| Zinc                    | < 0.02 |       |       | 0          |  |                  |                  |                    |                |
| TDS by Summation        | 923    |       |       | 2500       |  |                  |                  |                    |                |
| <b>Other</b>            |        |       |       |            |   |                  |                  |                    |                |
| pH                      | 7.2    |       |       | units      |  |                  |                  |                    |                |
| E. C.                   | 1.27   |       |       | dS/m       |  |                  |                  |                    |                |
| SAR                     | 2.7    |       |       |            |  |                  |                  |                    |                |
| <b>Crop Suitability</b> |        |       |       |            |   |                  |                  |                    |                |
| No Amendments           | Good   |       |       |            |  |                  |                  |                    |                |
| With Amendments         | Good   |       |       |            |  |                  |                  |                    |                |
| <b>Amendments</b>       |        |       |       |            |   |                  |                  |                    |                |
| Gypsum Requirement      | 0.2    |       |       | Tons/AF    | Or 36 oz/1000Gal of urea Sulfuric Acid (15/49)                                      |                  |                  |                    |                |
| Sulfuric Acid (98%)     | 15     |       |       | oz/1000Gal |   |                  |                  |                    |                |
| Leaching Requirement    | 10     |       |       | %          |   |                  |                  |                    |                |

Good  Problem

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

\*\* Used in various calculations; mg/L = Milligrams Per Liter (ppm) meq/L = Milliequivalents Per Liter



February 5, 2019










United Water Conservation Dist

Lab ID : SP 1901132-005

Customer ID : 2000200

Description : 02N21W32E01S:PTP Well #2

### Micro Irrigation System Plugging Hazard

| Test Description       | Result    |       | Graphical Results Presentation   |          |        |
|------------------------|-----------|-------|--|----------|--------|
|                        |           |       | Slight   | Moderate | Severe |
| <b>Chemical</b>        |           |       |  |          |        |
| Manganese              | 0.04      | mg/L  |   |          |        |
| Iron                   | 0.49      | mg/L  |  |          |        |
| TDS by Summation       | 923       | mg/L  |  |          |        |
| <b>No Amendments</b>   |           |       |  |          |        |
| pH                     | 7.2       | units |  |          |        |
| Alkalinity (As CaCO3)  | 210       | mg/L  |  |          |        |
| Total Hardness         | 377       | mg/L  |  |          |        |
| <b>With Amendments</b> |           |       |  |          |        |
| Alkalinity (As CaCO3)  | 42        | mg/L  |   |          |        |
| Total Hardness         | 42        | mg/L  |   |          |        |
| pH                     | 5.4 - 6.7 | units |   |          |        |

Good  Problem

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

#### Water Amendments Application Notes:

The Amendments recommended on the previous pages include:

#### Gypsum:

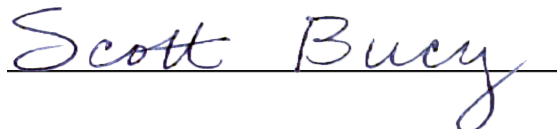
This should be applied at least once a year to the irrigated soil surface area. Gypsum can also be applied in smaller quantities in the irrigation water. Apply the smaller (bracketed) amount of gypsum when also applying the recommended amount of Sulfuric Acid and the larger amount when applying only Gypsum.

#### Sulfuric Acid:

These products should be applied as needed to prevent emitter plugging in micro irrigation systems and/or as a soil amendment to adjust soil pH to improve nutrient availability and to facilitate leaching of salts. Please exercise caution when using this material as excesses may be harmful to the system and/or the plants being irrigated. The reported Acid requirement is intended to remove approximately 80 % of the alkalinity. The final pH should range from 5.4 to 6.7. We recommend a field pH determination to confirm that the pH you designate is being achieved. This application is based upon the use of a 98% Sulfuric Acid product. The application of Urea Sulfuric Acid is based upon the use of a product that contains 15% Urea (1.89 lbs Nitrogen), 49% Sulfuric Acid and has a specific gravity of 1.52 at 68 °F. Guidelines for the above interpretations are sourced from USDA & U.C. Cooperative Extension Service publications. Please contact us if you have any questions.

SB1: EHB

FRUIT GROWERS LABORATORY, INC.



Scott Bucy, Director of Ag. Services