

Report Number
F21239-8038
Account Number
71125



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3505 Conestoga Dr.
Fort Wayne, IN 46808
260.483.4759
algreatlakes.com

To: PURDUE UNIVERSITY
625 AGRICULTURE MALL DR
W LAFAYETTE, IN 47907-2010

Attn: NATHAN A. DEPPE

Sample ID: RO

Lab Number: 16080
Date Sampled: 8/25/2021
Date Received: 8/27/2021
Date Reported: 8/30/2021

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IRRIGATION WATER ANALYSIS

Analysis	Result	Unit	Desired Range	Irrigation Use Restriction*
pH	6.3	Std. Unit	5.5 - 7.5	None
Conductivity (Soluble Salts)	< 0.1	mmho/cm	<0.75	None
Total Dissolved Solids (est.)		mg/L	<450	None
Sodium Adsorption Ratio (SAR)	0.51	-	<3	None
Sodium (Na)	3	mg/L	<70	None
Calcium (Ca)	< 1	mg/L	-	-
Magnesium (Mg)	< 1	mg/L	-	-
Potassium (K)	< 1	mg/L	-	-
Phosphorus - Phosphate (PO4-P)	0.006	mg/L	-	-
Nitrogen - Nitrate (NO3-N)	< 0.1	mg/L	<5	None
Sulfur - Sulfate (SO4-S)	< 1	mg/L	-	-
Chloride (Cl)	1	mg/L	<70	None
Carbonate (CO3)	< 1	mg/L	<15	None
Bicarbonate (HCO3)	6	mg/L	<40	None
Alkalinity (CaCO3 equiv.)	5	mg/L	-	-

*For additional information Refer to Fact Sheet No. 20, Interpreting Irrigation Water Analysis.

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IRRIGATION WATER ANALYSIS

Analysis	Result	Unit	Desired Range	Irrigation Use Restriction*
Boron (B)	0.02	mg/L	<0.3	None
Iron (Fe)	0.02	mg/L	<5	None
Manganese (Mn)	< 0.01	mg/L	<0.20	None

*For additional information Refer to Fact Sheet No. 20, Interpreting Irrigation Water Analysis.