

Report Number  
F21239-8038  
Account Number  
71125



**a&lgreatlakes**  
LABORATORIES  
*Scientists who don't mind getting dirty.™*

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

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

Attn: NATHAN A. DEPPE

Sample ID: TAP

Lab Number: 16079

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	7.9	Std. Unit	5.5 - 7.5	Increasing
Conductivity (Soluble Salts)	0.7	mmho/cm	<0.75	None
Total Dissolved Solids (est.)	420	mg/L	<450	None
Sodium Adsorption Ratio (SAR)	0.39	-	<3	None
Sodium (Na)	18	mg/L	<70	None
Calcium (Ca)	96	mg/L	-	-
Magnesium (Mg)	37	mg/L	-	-
Potassium (K)	3	mg/L	-	-
Phosphorus - Phosphate (PO4-P)	0.572	mg/L	-	-
Nitrogen - Nitrate (NO3-N)	0.3	mg/L	<5	None
Sulfur - Sulfate (SO4-S)	21	mg/L	-	-
Chloride (Cl)	40	mg/L	<70	None
Carbonate (CO3)	< 1	mg/L	<15	None
Bicarbonate (HCO3)	348	mg/L	<40	Increasing
Alkalinity (CaCO3 equiv.)	285	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)	0.07	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.