



Account No.:	2128
Invoice No.:	
Date Recd.:	12/27/2023
Date Repd.:	12/29/2023

Name:	WASSENAAR AG SUPPLY
Company:	BTI AG LLC
Address:	84795 470TH AVE
City, State, ZIP:	LAKEFIELD, MN 56150

Grower:	JAN WASSENAAR
Field ID:	JAN'S 146
Sample ID 1:	MIDDLE
Sample ID 2:	C6N41E
Sample Depth:	0-6

HANEY SOIL HEALTH ANALYSIS

Lab #	Nitrogen									Phosphorus					
	H3A Extract			H2O Extract						H3A Extract					
	Nitrate ppm NO3-N	Ammonium ppm NH4-N	Inorg. N ppm N	Total N ppm N	Org. N ppm N	Org. N: Inorg. N	Org. N Rel. ppm N	Org. N Res. ppm N	Avail. N lbs/A	Total P ppm P	Inorg. P ppm PO4-P	Org. P ppm P	Org. P Rel ppm P	Org. P Res. ppm P	Avail. P lbs/A
57026	9.3	7.3	16.6	26.7	11.5	0.76	11.5	0.0	50.6	32.7	28.7	4.0	4.0	0.0	75.2
Rank															

Lab #	Other Soil Measures					Fertility									
						H3A Extract									
	Soil pH 1:1	Buffer pH Mod. WDRF	Soluble Salt mmho/cm	Excess Lime	Soil OM % LOI	Potassium ppm K	Calcium ppm Ca	Magnesium ppm Mg	Sodium ppm Na	Zinc ppm Zn	Manganese ppm Mn	Iron ppm Fe	Copper ppm Cu	Aluminum ppm Al	Sulfur ppm S
57026	6.8	-	0.13	NONE	6.3	42	928	212	17	0.37	2.0	62	0.12	97	4.39
Rank															

Lab #	Soil Health					Nitrogen Comparison				Reviewer Comments
	H2O Extract					Traditional N lbs/A	Haney N lbs/A	Differ. N lbs/A	Savings N \$/A	
	Soil Resp. ppm CO2-C	Org. C ppm C	MAC %	C:N	SHC					
57026	140.4	188	74.5	16.36	16.62	30% Legume 70% Grass	16.8	50.6	33.8	35.13
Rank										

Lab #	Intended		N Credits, lbs/A			Fertility Recommendations, lbs of Required Nutrients per Acre									
	Crop	Yield Goal	Past Crop	Subsoil	Haney	N	P2O5	K2O	S	Zn	Mg	Fe	Mn	Cu	Lime T/A

Reviewed By: Lance Gunderson

Date: 12/29/2023

Recommendations Provided by Regen Ag Lab, LLC

Analysis Performed by Regen Ag Lab, LLC

Regen Ag Lab, LLC
31740 Hwy 10, Pleasanton NE 68866

Gain Ground

308-627-0065
regenaglab.com



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Address:	84795 470TH AVE
City, State, ZIP:	LAKEFIELD, MN 56150

Grower:	JAN WASSENAAR
Field ID:	JAN'S 146
Sample ID 1:	NW 20
Sample ID 2:	C6N41F
Sample Depth:	0-6

HANEY SOIL HEALTH ANALYSIS

Lab #	Nitrogen									Phosphorus					
	H3A Extract			H2O Extract						H3A Extract					
	Nitrate ppm NO3-N	Ammonium ppm NH4-N	Inorg. N ppm N	Total N ppm N	Org. N ppm N	Org. N: Inorg. N	Org. N Rel. ppm N	Org. N Res. ppm N	Avail. N lbs/A	Total P ppm P	Inorg. P ppm PO4-P	Org. P ppm P	Org. P Rel ppm P	Org. P Res. ppm P	Avail. P lbs/A
57027	12.2	6.8	19.0	30.5	12.8	0.72	12.8	0.0	57.2	25.2	20.6	4.6	4.6	0.0	57.9
Rank															

Lab #	Other Soil Measures					Fertility									
						H3A Extract									
	Soil pH 1:1	Buffer pH Mod. WDRF	Soluble Salt mmho/cm	Excess Lime	Soil OM % LOI	Potassium ppm K	Calcium ppm Ca	Magnesium ppm Mg	Sodium ppm Na	Zinc ppm Zn	Manganese ppm Mn	Iron ppm Fe	Copper ppm Cu	Aluminum ppm Al	Sulfur ppm S
57027	6.6	-	0.14	NONE	4.7	31	993	156	16	0.51	3.4	62	0.08	101	4.69
Rank															

Lab #	Soil Health					Nitrogen Comparison				Reviewer Comments
	H2O Extract					Traditional N lbs/A	Haney N lbs/A	Differ. N lbs/A	Savings N \$/A	
	Soil Resp. ppm CO2-C	Org. C ppm C	MAC %	C:N	SHC					
57027	117.5	176	66.6	13.77	14.60	40% Legume 60% Grass	22.0	57.2	35.2	36.62
Rank										

Lab #	Intended		N Credits, lbs/A			Fertility Recommendations, lbs of Required Nutrients per Acre									
	Crop	Yield Goal	Past Crop	Subsoil	Haney	N	P2O5	K2O	S	Zn	Mg	Fe	Mn	Cu	Lime T/A

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Date: 12/29/2023

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Company:	BTI AG LLC
Address:	84795 470TH AVE
City, State, ZIP:	LAKEFIELD, MN 56150

Grower:	JAN WASSENAAR
Field ID:	JAN'S 146
Sample ID 1:	WEST RIDGE
Sample ID 2:	C6N41G
Sample Depth:	0-6

HANEY SOIL HEALTH ANALYSIS

Lab #	Nitrogen									Phosphorus					
	H3A Extract			H2O Extract						H3A Extract					
	Nitrate ppm NO3-N	Ammonium ppm NH4-N	Inorg. N ppm N	Total N ppm N	Org. N ppm N	Org. N: Inorg. N	Org. N Rel. ppm N	Org. N Res. ppm N	Avail. N lbs/A	Total P ppm P	Inorg. P ppm PO4-P	Org. P ppm P	Org. P Rel ppm P	Org. P Res. ppm P	Avail. P lbs/A
57028	8.4	6.4	14.8	27.8	14.2	1.05	12.6	1.6	49.3	84.9	80.2	4.7	3.2	1.6	191.7
Rank															

Lab #	Other Soil Measures					Fertility									
						H3A Extract									
	Soil pH 1:1	Buffer pH Mod. WDRF	Soluble Salt mmho/cm	Excess Lime	Soil OM % LOI	Potassium ppm K	Calcium ppm Ca	Magnesium ppm Mg	Sodium ppm Na	Zinc ppm Zn	Manganese ppm Mn	Iron ppm Fe	Copper ppm Cu	Aluminum ppm Al	Sulfur ppm S
57028	7.6	-	0.88	NONE	3.3	72	1768	236	15	0.61	2.2	21	0.04	45	2.74
Rank															

Lab #	Soil Health					Nitrogen Comparison				Reviewer Comments
	H2O Extract					Traditional N lbs/A	Haney N lbs/A	Differ. N lbs/A	Savings N \$/A	
	Soil Resp. ppm CO2-C	Org. C ppm C	MAC %	C:N	SHC					
57028	34.9	157	22.2	11.06	8.06	50% Legume 50% Grass	15.1	49.3	34.2	35.60
Rank										

Lab #	Intended		N Credits, lbs/A			Fertility Recommendations, lbs of Required Nutrients per Acre									
	Crop	Yield Goal	Past Crop	Subsoil	Haney	N	P2O5	K2O	S	Zn	Mg	Fe	Mn	Cu	Lime T/A

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