BHOOMI INDIA AGTECH

SOIL HEALTH EXHIBIT — FIELD GH2

Total Nutrient Digestion · Mehlich-3 Fertility Analysis · Haney Soil Health Analysis

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Field ID: GH2 · Lab # 600033 · Sample depth: 0–12" · Sampled: 1/8/2025 · Reported: 1/10/2025
Grower: Bhoomi India Agtech Pvt Ltd · Analysis performed by Regen Ag Lab, LLC (Pleasanton, Nebraska, USA)

What follows are the unedited lab reports for this field:

1. Mehlich-3 Soil Analysis (network table — GH2 is Lab #600033) — plant-available nutrients, pH, CEC, % base saturation
2. Total Nutrient Digestion — GH2 — full reserve of carbon, nitrogen, phosphorus and micronutrients
3. Haney Soil Health Analysis — GH2 — soil respiration, organic carbon/nitrogen, Soil Health Calculation score, nitrogen credit

Reproduced from original Regen Ag Lab, LLC laboratory reports. Presented as supporting evidence for Bhoomi's soil health programme.

Regen Ag Lab

Account No.:	3187
Invoice No.:	
Date Recd:	1/8/2025
Date Repd:	1/10/2025

Name:	
Company:	BHOOMI INDIA AGTECH PVT LTD
Address:	NO. 17/1, NADAPRABHU KEMPEGOWDA RD
City, State, ZIP:	TA RD , BENGALURU 560083 INDIA GSTIN 29A

SOIL ANALYSIS - MEHLICH 3

	Sample Information					Nitrate	Nitrate	Phos	Potassium	Calcium	Magnesium	Sodium	CEC	% Saturation					
						ppm NO3-N	lbs/A N	ppm P	ppm K	ppm Ca	ppm Mg	ppm Na	me/100g	%	%	%	%	%	%
Lab #	Grower	Field ID	Sample ID 1	Sample ID 2	Depth	1N KCl	1N KCl	M3	M3	M3	M3	M3	M3	Base	H	Ca	Mg	K	Na
600032	OOMI INDIA AGTECH PVT L	BSL	1		0-12	15.0	54	249	186	1885	441	43	13.8	100	-	69	27	3	1
600033	OOMI INDIA AGTECH PVT L	GH2	2		0-12	59.1	213	621	274	3419	693	188	24.4	100	-	70	24	3	3
600034	OOMI INDIA AGTECH PVT L	GH 3&4	3		0-12	58.8	212	609	317	3399	654	191	24.1	100	-	71	23	3	3
600035	OOMI INDIA AGTECH PVT L	GH 5&6	4		0-12	10.2	37	360	191	2618	491	69	18.0	100	-	73	23	3	2
600036	OOMI INDIA AGTECH PVT L	NRL	5		0-12	13.3	48	283	203	2180	469	50	15.5	100	-	70	25	3	1
600037	OOMI INDIA AGTECH PVT L	JRL	6		0-12	32.1	116	691	222	3276	605	47	22.2	100	-	74	23	3	1
600038	OOMI INDIA AGTECH PVT L	RGH	7		0-12	15.9	57	851	373	3724	637	49	25.1	100	-	74	21	4	1
600039	OOMI INDIA AGTECH PVT L	BFL	8		0-12	7.0	25	41	143	1307	356	21	10.0	100	-	66	30	4	1
600040	OOMI INDIA AGTECH PVT L	RND	9		0-12	14.9	54	176	153	1666	351	29	11.8	100	-	71	25	3	1
600041	OOMI INDIA AGTECH PVT L	KRL	10		0-12	9.6	34	200	148	1646	409	42	12.2	100	-	67	28	3	1
600042	OOMI INDIA AGTECH PVT L	F7	11		0-6	12.4	22	40	263	768	80	9	5.3	98	2	72	12	13	1
						-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Soil pH	Buffer pH	Soluble Salt	Excess	Soil OM	Sulfur	Zinc	Iron	Manganese	Copper	Boron	Moly	Cobalt	Tot. Org. C	Tot. C	Ammonium
	S. U.	S. U.	mmho/cm	Lime	%	ppm S	ppm Zn	ppm Fe	ppm Mn	ppm Cu	ppm B	ppm Mo	ppm Co	% C	% C	ppm NH4_N
Lab #	1:1 H20	WDRF	1:1 H20	Rating	LOI	M3	M3	M3	M3	M3	M3	M3	M3	LECO	LECO	1N KCl
600032	7.4	-	0.12	NONE	2.1	16.16	6.09	99	88.5	2.98	1.51	0.02	2.72	-	-	-
600033	7.4	-	0.52	NONE	2.2	144.52	13.75	103	97.6	3.06	1.90	0.04	2.32	-	-	-
600034	7.4	-	0.87	NONE	2.4	232.53	15.72	93	113.8	3.21	2.67	0.02	2.52	-	-	-
600035	7.6	-	0.22	NONE	1.7	27.18	7.21	127	129.1	3.89	1.38	0.02	3.13	-	-	-
600036	7.6	-	0.13	NONE	2.5	20.38	6.96	100	108.3	3.56	1.23	0.02	3.38	-	-	-
600037	7.5	-	0.24	NONE	1.7	38.93	13.35	141	112.4	3.47	1.55	0.01	2.83	-	-	-
600038	7.6	-	0.13	NONE	2.7	30.45	24.08	141	103.0	4.81	2.63	0.04	2.42	-	-	-
600039	7.1	-	0.02	NONE	2.4	7.91	2.82	72	96.1	3.33	0.85	0.02	3.37	-	-	-
600040	7.0	-	0.10	NONE	2.2	17.99	8.22	124	128.9	5.98	1.02	0.04	3.81	-	-	-
600041	7.2	-	0.06	NONE	2.0	14.63	5.14	90	92.0	2.93	1.06	0.02	2.92	-	-	-
600042	4.7	7.0	0.05	NONE	11.9	82.80	1.25	100	14.8	1.97	0.54	0.02	0.15	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reviewer Comments

Reviewed By: Emily Shafto
Date: 1/10/2025

Analysis Performed by Regen Ag Lab, LLC

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

Gain Ground

308-627-0065
regenaglab.com

Account No.:	3187	Name:		Grower:	BHOOMI INDIA AGTECH PVT LTD
Invoice No.:		Company:	BHOOMI INDIA AGTECH PVT LTD	Field ID:	GH2
Date Recd:	1/8/2025	Address:	NO. 17/1, NADAPRABHU KEMPEGOWDA RD	Sample ID 1:	2
Date Repd:	1/10/2025	City, State, ZIP:	TA RD , BENGALURU 560083 INDIA GSTIN 29A	Sample ID 2:	-
				Sample Depth:	0-12

TOTAL NUTRIENT DIGESTION ANALYSIS REPORT

Lab # **600033**

	Nutrient Results		Nutrients, Lbs/A	Fertilizer Equivalent, lbs of Fert*	
Nutrient	**Value**	**Units**	**Value**	**Value**	**Reference Fertilizer**
Carbon	1.46	% C	52560	87600	60% C
Nitrogen	0.171	% N	6156	13383	46-0-0
Phosphorus	0.099	% P	3571	15730	11-52-0 at 22.7% P
Potassium	0.119	% K	4273	8282	0-0-60 at 51.6% K
Calcium	0.604	% Ca	21752	98874	Gypsum-22% Ca
Magnesium	0.204	% Mg	7352.2	70021	K-Mag-10.5% Mg
Sulfur	0.030	% S	1089.9	4541	AMS-24% S
Zinc	35.59	ppm Zn	128.1	366	ZnSO4-35% Zn
Iron	16922.63	ppm Fe	60921	304607	FeSO4-20% Fe
Manganese	265.65	ppm Mn	956	3085	MnSO4-31% Mn
Copper	21.35	ppm Cu	76.9	307	CuSO4-25% Cu
Boron	19.27	ppm B	69.4	631	Borax-11% B
Sodium	0.037	% Na	1340		
Molybdenum	0.09	ppm Mo	0.3	0.8	NaMoO4-39% Mo
Aluminum	12121.29	ppm Al	43637		
C:N Ratio	8.5				

Lbs of fertilizer needed to be equal to Lbs of soil nutrient/A

Reviewer Comments

Reviewed By: Emily Shafto
Date: 1/10/2025

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Account No.:	3187
Invoice No.:	
Date Recd:	1/8/2025
Date Repd:	1/10/2025

Name:	NADHIARASAN S
Company:	HOOMI INDIA AGTECH PRIVATE LT
Address:	17/1, NADAPRABHU KEMPEGOWD
City, State, ZIP:	RD, BENGALURU 560083 GSTIN 29

Grower:	OOMI INDIA AGTECH PVT L
Field ID:	GH2
Sample ID 1:	2
Sample ID 2:	-
Sample Depth:	0-12

HANEY SOIL HEALTH ANALYSIS

	Nitrogen									Phosphorus					
	H3A Extract			H2O Extract						H3A Extract					
Lab #	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
600033	71.5	1.7	73.2	97.4	24.1	0.33	14.2	9.9	314.3	521.2	483.0	38.2	16.8	21.4	1149.6
Rank															

	Other Soil Measures					Fertility									
						H3A Extract									
Lab #	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
600033	7.4	-	0.52	NONE	2.2	152	1486	393	189	3.11	7.9	40	0.35	82	141.03
Rank															

	Soil Health						Nitrogen Comparison				Reviewer Comments
		H2O Extract									
Lab #	Soil Resp. ppm CO2-C	Org. C ppm C	MAC %	C:N	SHC	Cover Crop Suggestion	Traditional N lbs/A	Haney N lbs/A	Differ. N lbs/A	Savings N $/A	
600033	32.1	219	14.7	9.07	9.99	10% Legume 90% Grass	257.4	314.3	56.9	59.19	
Rank											

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

Reviewed By: Lance Gunderson
Date: 1/10/2025

Recommendations Provided by Regen Ag Lab, LLC
Analysis Performed by Regen Ag Lab, LLC

Regen Ag Lab, LLC
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