

RGB is (Almost) All You Need: Estimating Soil Parameters Using TerraMind: *Supplementary Material*

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Abstract

As global food security faces pressure, precision agriculture is vital for optimizing yields. However, traditional soil monitoring is a bottleneck due to cost and limited scalability. Therefore, remote sensing exploiting high-dimensional multi- and hyperspectral images emerges to retrieve soil parameters at scale. Capturing and analyzing such imagery is challenging, limiting utility in fast, in-field monitoring. We tackle this and introduce a method built upon TerraMind foundation models (large-scale and edge-optimized) for estimating soil parameters (P_2O_5 , K_2O , Mg , and pH) from multispectral and RGB/RGB-NIR images. Our experiments demonstrate that TerraMind achieves a HYPERVIEW Score up to 0.796 using only 4 spectral bands, delivering performance on par with state-of-the-art models utilizing the full 150-band hyperspectral range. Our pipeline enables a 37.5-fold reduction in data dimensionality. This study confirms that adapting foundation models can democratize agricultural diagnostics, enabling high-precision soil analysis directly "in the pocket" of farmers through mobile devices used for in-field RGB images.

Table 1. Selected bands from the HYPERVIEW dataset whose wavelengths are closest to the centers of the Sentinel-2 bands (note that the cirrus, B10 S-2 band, was removed from the analysis). For some sensors, their spectral range does not cover the spectral range of S-2—in such cases, we can either copy the nearest available spectral band (indicated in *underlined italics*), or use an empty (black) image as input. The dark blue color indicates the bands used in *Scenario II*, whereas the dark and light blue—in *Scenario III*.

ID	Sentinel-2				HYPERVIEW	
	Band	Description	Wavelength (S2A), nm	Wavelength (S2B), nm	Band	Wavelength, nm
1	B01	Coastal aerosol	442.70	442.30	1	462.08
2	B02	Blue	492.40	492.10	10	490.80
3	B03	Green	559.80	559.00	32	561.17
4	B04	Red	664.60	665.00	64	663.46
5	B05	Veget. red edge	704.10	703.80	77	705.02
6	B06	Veget. red edge	740.50	739.10	88	740.18
7	B07	Veget. red edge	782.80	779.70	101	781.74
8	B08	NIR	832.80	833.00	120	842.47
9	B8A	Narrow NIR	864.70	864.00	127	864.85
10	B09	Water vapor	945.10	943.20	150	938.37
11	B11	SWIR	1613.70	1610.40	—	—
12	B12	SWIR	2202.40	2185.70	—	—

Table 2. Architectural details of the TerraMind-v1 variants.

Variant	Parameters [mln]	Embedding Dims	Encoder Blocks
terramind.v1.tiny	5.8	192	12
terramind.v1.small	22.1	384	12
terramind.v1.base	86.6	768	12
terramind.v1.large	307.3	1024	24

Note: All models were configured for an input resolution of $224 \times 224 \times 12$.

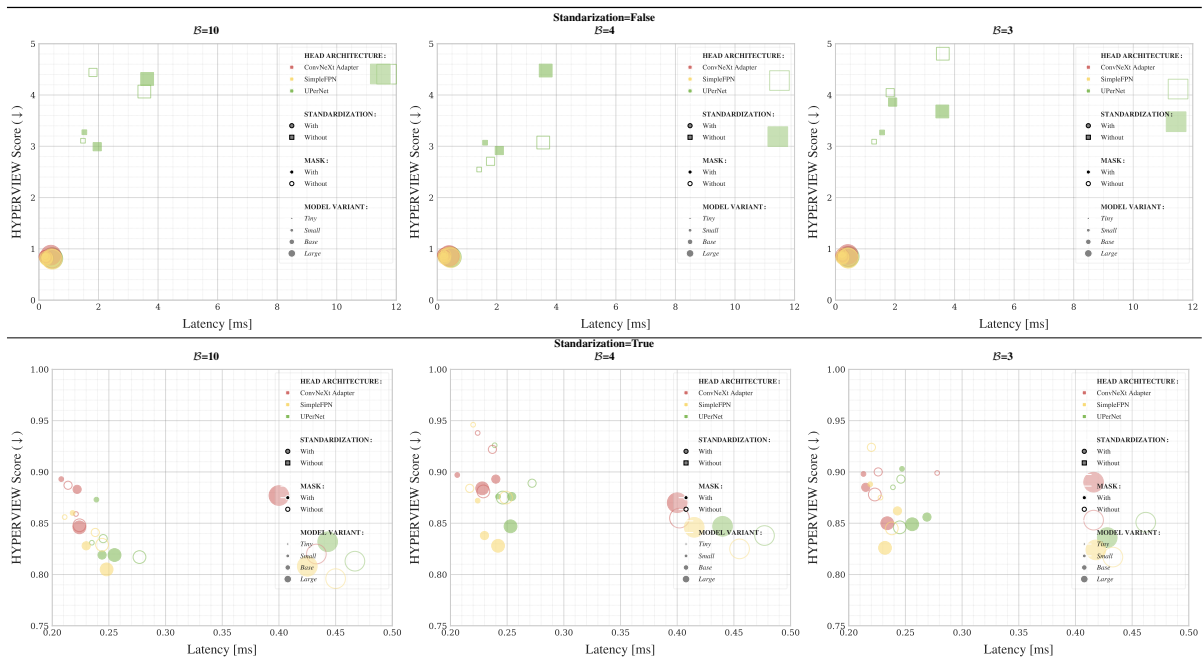


Figure 1. The relationships between the latency (in milliseconds) and the HYPERVIEW Score, for all experimental configurations.

Table 3. Performance comparison across different TerraMind model configurations (for *Scenarios I–II*) and nutrient prediction tasks. The best results for each scenario are **boldfaced**, and the p -values showing no statistically significant difference (≥ 0.05) when compared to GT are **boldfaced**. **Abbreviations:** **Data variants:** 3/4/10 – number of spectral bands or Sentinel-2 simulation, **Metrics:** RMSE – Root Mean Square Error, MAE – Mean Absolute Error, Score – the HYPERVIEW Score.

Std.	Head	Mask	Variant	Score↓	P ₂ O ₅				K ₂ O				Mg				pH			
					MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r
Scenario I: B=10																				
yes	SimpleFPN	no	Large	0.817	19.495	28.940	0.240	0.275	36.869	51.490	0.050	0.162	26.946	38.557	0.034	0.168	0.179	0.234	0.550	0.026
yes	SimpleFPN	yes	Base	0.826	19.634	29.095	0.010	0.277	36.845	51.859	0.981	0.162	27.557	38.631	0.000	0.172	0.180	0.235	0.027	0.026
yes	SimpleFPN	no	Base	0.827	19.821	29.356	0.000	0.280	37.161	51.889	0.000	0.163	27.421	38.740	0.000	0.171	0.180	0.236	0.004	0.026
yes	SimpleFPN	yes	Large	0.829	19.870	29.289	0.000	0.280	37.473	51.905	0.000	0.164	27.276	38.730	0.000	0.170	0.182	0.240	0.000	0.027
yes	ConvNeXt Adapter	no	Base	0.840	20.354	29.759	0.000	0.287	38.556	52.887	0.000	0.169	27.284	38.831	0.288	0.170	0.181	0.238	0.011	0.026
yes	ConvNeXt Adapter	with	Base	0.846	20.309	29.424	0.000	0.287	38.996	52.982	0.000	0.171	27.517	38.765	0.857	0.171	0.182	0.238	0.358	0.027
yes	UPerNet	yes	Small	0.856	20.459	29.630	0.003	0.289	40.181	54.213	0.000	0.176	27.428	38.638	0.000	0.171	0.184	0.238	0.012	0.027
yes	SimpleFPN	yes	Small	0.857	20.485	29.673	0.000	0.289	40.407	54.408	0.000	0.177	27.359	38.563	0.297	0.171	0.182	0.239	0.004	0.027
yes	SimpleFPN	no	Small	0.865	20.252	29.444	0.000	0.286	41.565	55.432	0.000	0.182	27.411	38.572	0.282	0.171	0.183	0.239	0.000	0.027
yes	UPerNet	yes	Base	0.866	20.579	30.144	0.000	0.291	41.442	56.452	0.000	0.182	27.098	38.569	0.000	0.169	0.181	0.235	0.000	0.026
yes	ConvNeXt Adapter	yes	Large	0.877	20.605	30.004	0.106	0.291	40.021	54.922	0.000	0.176	28.219	38.997	0.020	0.176	0.185	0.241	0.000	0.027
yes	ConvNeXt Adapter	no	Large	0.878	20.892	29.986	0.000	0.295	40.385	55.242	0.000	0.177	27.935	39.020	0.570	0.174	0.186	0.242	0.019	0.027
yes	ConvNeXt Adapter	no	Small	0.880	20.489	29.587	0.000	0.289	41.670	56.570	0.000	0.183	28.182	38.991	0.366	0.175	0.183	0.239	0.001	0.027
yes	SimpleFPN	with	Tiny	0.883	20.367	29.744	0.015	0.288	40.728	55.270	0.001	0.179	28.212	39.096	0.053	0.176	0.182	0.240	0.019	0.027
yes	ConvNeXt Adapter	yes	Small	0.883	20.894	29.832	0.000	0.295	41.825	55.826	0.000	0.184	28.184	39.179	0.289	0.175	0.185	0.241	0.565	0.027
yes	ConvNeXt Adapter	with	Tiny	0.893	20.919	30.103	0.000	0.295	41.133	56.572	0.000	0.181	28.214	39.192	0.211	0.176	0.184	0.241	0.026	0.027
yes	SimpleFPN	no	Tiny	0.896	21.018	30.155	0.000	0.297	41.776	56.634	0.000	0.183	28.349	39.303	0.005	0.177	0.184	0.241	0.031	0.027
yes	UPerNet	yes	Large	0.900	21.284	30.402	0.000	0.301	41.879	56.702	0.000	0.184	28.526	39.340	0.010	0.178	0.185	0.240	0.003	0.027
yes	UPerNet	no	Base	0.905	20.914	30.290	0.000	0.295	42.152	56.843	0.000	0.185	28.455	39.294	0.076	0.177	0.186	0.241	0.001	0.027
yes	ConvNeXt Adapter	no	Tiny	0.910	20.999	30.297	0.000	0.296	43.167	57.773	0.000	0.190	28.471	39.309	0.485	0.177	0.185	0.241	0.001	0.027
yes	UPerNet	no	Large	0.912	21.368	30.569	0.000	0.302	42.279	56.963	0.000	0.186	28.718	39.467	0.001	0.179	0.186	0.242	0.016	0.027
yes	UPerNet	yes	Tiny	0.917	21.328	30.614	0.000	0.291	41.979	56.349	0.000	0.184	28.475	39.471	0.021	0.177	0.186	0.242	0.959	0.027
yes	UPerNet	no	Small	0.918	21.464	30.730	0.000	0.303	42.483	57.070	0.000	0.187	28.706	39.444	0.093	0.179	0.187	0.243	0.000	0.027
yes	UPerNet	no	Tiny	0.926	21.011	30.395	0.031	0.297	43.618	58.945	0.000	0.192	28.436	39.124	0.080	0.177	0.189	0.247	0.929	0.028
no	UPerNet	no	Tiny	2.547	21.068	30.637	0.062	0.297	40.949	56.814	0.513	0.180	30.902	42.400	0.401	0.192	0.563	0.713	0.000	0.083
no	UPerNet	no	Small	2.707	21.574	30.508	0.000	0.305	42.637	57.779	0.004	0.187	32.770	43.281	0.000	0.204	0.581	0.740	0.000	0.086
no	UPerNet	with	Small	2.917	21.298	30.558	0.002	0.301	40.103	55.297	0.055	0.176	31.678	42.534	0.434	0.197	0.609	0.784	0.000	0.090
no	UPerNet	with	Tiny	3.070	21.468	30.427	0.000	0.303	41.961	56.403	0.000	0.184	32.320	43.383	0.066	0.201	0.647	0.808	0.000	0.095
no	UPerNet	no	Base	3.073	21.347	30.317	0.000	0.301	40.678	55.274	0.021	0.179	31.653	42.796	0.957	0.197	0.603	0.812	0.933	0.089
no	UPerNet	with	Large	3.188	21.732	30.428	0.000	0.307	38.334	53.761	0.236	0.168	33.388	44.455	0.000	0.208	0.634	0.829	0.000	0.094
no	UPerNet	no	Large	4.282	21.736	30.346	0.000	0.307	40.566	54.612	0.000	0.178	32.270	43.408	0.001	0.201	0.796	0.999	0.000	0.117
no	UPerNet	with	Base	4.477	22.568	30.840	0.000	0.319	41.770	54.425	0.000	0.183	33.927	44.627	0.000	0.211	0.784	1.022	0.000	0.116
Scenario II: B=3																				
yes	SimpleFPN	no	Large	0.825	19.499	28.798	0.001	0.275	37.938	52.810	0.622	0.167	27.549	39.099	0.894	0.172	0.176	0.230	0.414	0.026
yes	SimpleFPN	yes	Base	0.828	20.371	29.330	0.000	0.288	37.903	51.975	0.000	0.166	27.355	38.504	0.541	0.170	0.179	0.235	0.827	0.026
yes	SimpleFPN	no	Base	0.830	20.375	29.358	0.000	0.288	38.083	52.333	0.000	0.167	27.275	38.647	0.932	0.170	0.179	0.236	0.803	0.026
yes	SimpleFPN	yes	Small	0.838	20.077	29.274	0.000	0.283	39.341	53.243	0.000	0.173	27.467	38.664	0.250	0.171	0.180	0.235	0.943	0.027
yes	SimpleFPN	no	Small	0.841	19.866	29.074	0.000	0.281	40.354	54.402	0.000	0.177	27.488	38.679	0.340	0.171	0.181	0.238	0.053	0.027
yes	SimpleFPN	no	Tiny	0.852	20.347	29.412	0.000	0.287	40.117	54.120	0.000	0.176	27.567	38.657	0.887	0.172	0.182	0.239	0.063	0.027
yes	SimpleFPN	yes	Tiny	0.872	20.581	29.834	0.000	0.291	40.605	54.977	0.000	0.178	28.114	38.987	0.000	0.175	0.184	0.240	0.005	0.027
yes	SimpleFPN	yes	Small	0.880	20.587	29.585	0.000	0.291	42.179	56.417	0.000	0.185	27.917	38.868	0.000	0.174	0.182	0.237	0.002	0.027
yes	UPerNet	no	Base	0.881	20.697	29.814	0.000	0.292	41.565	55.454	0.000	0.182	28.324	39.117	0.026	0.176	0.183	0.238	0.076	0.027
yes	UPerNet	yes	Base	0.882	20.893	30.083	0.000	0.295	41.258	55.334	0.000	0.181	28.192	39.068	0.004	0.175	0.182	0.237	0.001	0.027
yes	ConvNeXt Adapter	no	Base	0.887	20.739	29.888	0.000	0.293	41.977	55.932	0.000	0.184	28.140	39.032	0.098	0.175	0.186	0.242	0.001	0.027
yes	ConvNeXt Adapter	no	Large	0.888	21.328	30.407	0.000	0.301	40.547	55.514	0.000	0.178	28.618	39.467	0.052	0.178	0.186	0.242	0.001	0.027
yes	UPerNet	yes	Large	0.890	21.411	30.344	0.000	0.302	41.232	55.450	0.000	0.181	28.536	39.124	0.000	0.178	0.184	0.239	0.000	0.027
yes	ConvNeXt Adapter	with	Base	0.893	20.919	30.103	0.000	0.295	41.133	56.572	0.000	0.181	28.214	39.192	0.211	0.176	0.184	0.241	0.026	0.027
yes	ConvNeXt Adapter	yes	Small	0.896	21.144	30.144	0.000	0.299	41.278	56.401	0.000	0.181	28.557	39.330	0.012	0.178	0.185	0.241	0.021	0.027
yes	ConvNeXt Adapter	with	Tiny	0.899	21.018	30.076	0.000	0.297	41.879	56.702	0.000	0.184	28.526	39.340	0.010	0.178	0.185	0.240	0.003	0.027
yes	UPerNet	no	Small	0.901	21.455	30.414	0.000	0.303	41.289	55.770	0.000	0.181	28.711	39.370	0.001	0.179	0.185	0.241	0.000	0.027
yes	ConvNeXt Adapter	no	Small	0.905	20.914	30.290	0.000	0.295	42.152	56.843	0.000	0.185	28.455	39.294	0.076	0.177	0.186	0.241	0.001	0.027

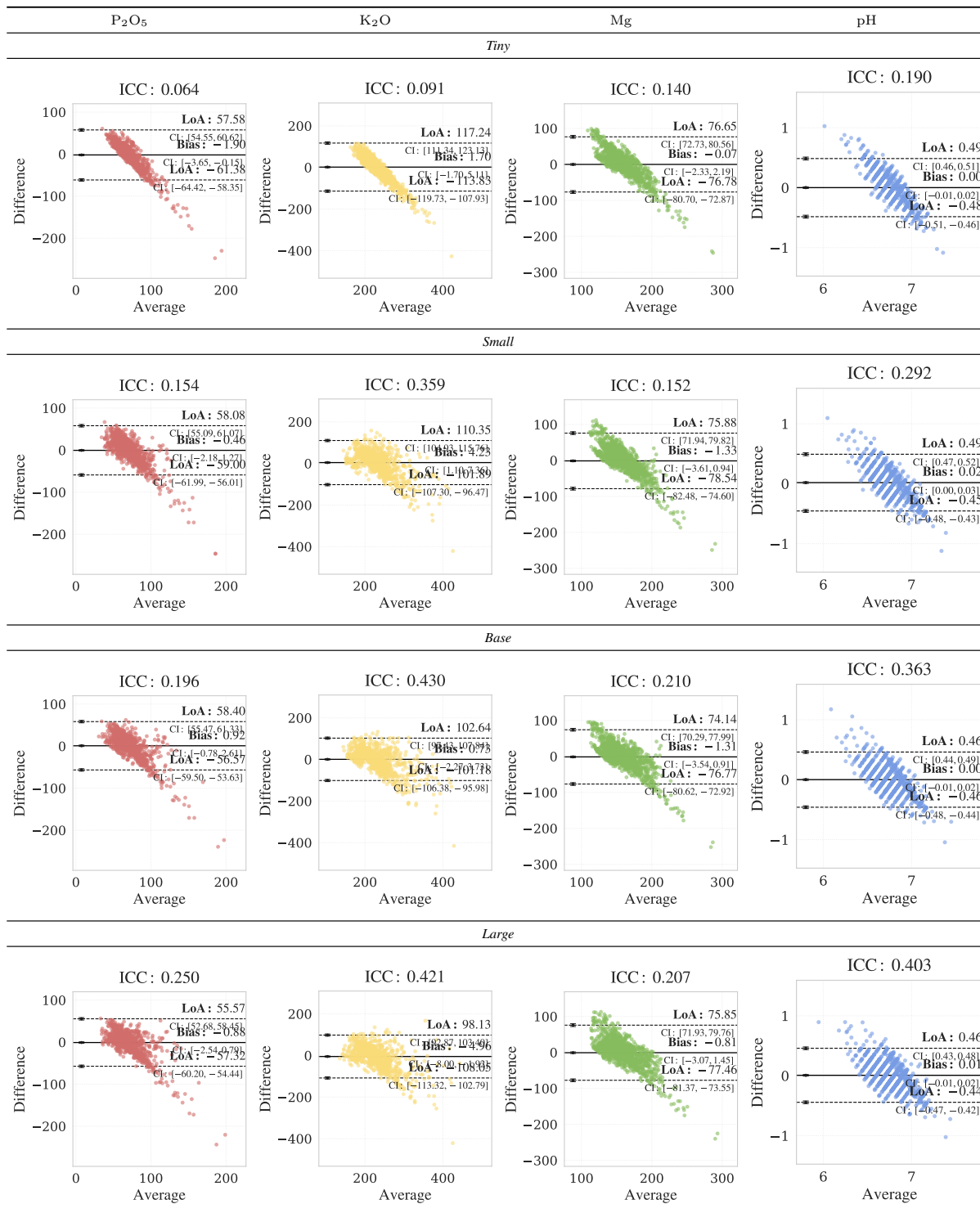


Figure 2. Bland-Altman agreement analysis and ICC values for TerraMind-v1 variants across soil parameters. Solid lines represent systematic bias, while dashed lines indicate 95% LoA.

Table 4. Performance comparison across different TerraMind model configurations (for *Scenario III*) and nutrient prediction tasks. The best results are **boldfaced**, and the p -values showing no statistically significant difference (≥ 0.05) when compared to GT are **boldfaced**. **Abbreviations: Data variants:** 3/4/10 – number of spectral bands or Sentinel-2 simulation, **Metrics:** RMSE – Root Mean Square Error, MAE – Mean Absolute Error, Score – the HYPERVIEW Score.

Std.	Head	Mask	Variant	P ₂ O ₅				K ₂ O				Mg				pH				
				Score↓	MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r
<i>Scenario III: B=4</i>																				
yes	SimpleFPN	no	Large	0.796	19.082	28.348	0.006	0.269	36.475	50.816	0.000	0.160	26.362	38.179	0.567	0.164	0.178	0.232	0.100	0.026
yes	SimpleFPN	yes	Base	0.805	19.378	28.705	0.000	0.274	36.647	51.376	0.021	0.161	26.740	38.381	0.086	0.167	0.177	0.230	0.000	0.026
yes	SimpleFPN	no	Base	0.812	19.347	28.711	0.000	0.274	37.054	51.554	0.000	0.163	26.890	38.411	0.004	0.168	0.178	0.232	0.150	0.026
yes	SimpleFPN	yes	Small	0.815	19.467	28.847	0.000	0.275	37.111	51.464	0.000	0.163	26.702	38.330	0.012	0.166	0.178	0.232	0.160	0.026
yes	UPerNet	yes	Small	0.819	19.654	28.906	0.000	0.277	37.040	51.349	0.000	0.163	27.433	38.848	0.000	0.171	0.178	0.234	0.355	0.026
yes	UPerNet	no	Tiny	0.831	19.978	29.518	0.001	0.282	38.174	52.546	0.007	0.168	27.407	38.765	0.026	0.171	0.179	0.231	0.784	0.026
yes	SimpleFPN	no	Small	0.832	20.355	29.432	0.000	0.287	38.251	52.887	0.000	0.169	27.445	38.718	0.414	0.171	0.180	0.235	0.021	0.026
yes	SimpleFPN	yes	Large	0.834	20.218	29.349	0.000	0.286	38.745	53.407	0.000	0.172	27.421	38.740	0.857	0.171	0.181	0.238	0.011	0.026
yes	SimpleFPN	yes	Tiny	0.854	20.367	29.744	0.015	0.288	40.728	55.270	0.001	0.179	28.212	39.096	0.053	0.176	0.182	0.240	0.019	0.027
yes	ConvNeXt Adapter	with	Base	0.865	20.459	29.630	0.003	0.289	40.181	54.213	0.000	0.176	27.428	38.638	0.000	0.171	0.184	0.238	0.012	0.027
yes	ConvNeXt Adapter	no	Base	0.866	20.579	30.144	0.000	0.291	41.442	56.452	0.000	0.182	27.098	38.569	0.000	0.169	0.181	0.235	0.000	0.026
yes	ConvNeXt Adapter	no	Tiny	0.867	20.309	29.424	0.000	0.287	38.996	52.982	0.000	0.171	27.517	38.765	0.211	0.171	0.182	0.238	0.358	0.027
yes	ConvNeXt Adapter	with	Tiny	0.875	20.485	29.673	0.000	0.289	40.407	54.408	0.000	0.177	27.359	38.563	0.297	0.171	0.182	0.239	0.004	0.027
yes	ConvNeXt Adapter	yes	Small	0.877	20.605	30.004	0.106	0.291	40.021	54.922	0.000	0.176	28.219	38.997	0.020	0.176	0.185	0.241	0.000	0.027
yes	ConvNeXt Adapter	no	Small	0.878	20.892	29.986	0.000	0.295	40.385	55.242	0.000	0.177	27.935	39.020	0.570	0.174	0.186	0.242	0.019	0.027
yes	UPerNet	yes	Base	0.880	20.489	29.587	0.000	0.289	41.670	56.570	0.000	0.183	28.182	38.991	0.366	0.175	0.183	0.239	0.001	0.027
yes	UPerNet	no	Base	0.881	20.605	30.004	0.001	0.291	40.021	54.922	0.000	0.176	28.219	38.997	0.020	0.176	0.185	0.241	0.000	0.027
yes	UPerNet	yes	Tiny	0.883	20.894	29.832	0.000	0.295	41.825	55.826	0.000	0.184	28.184	39.179	0.289	0.175	0.185	0.241	0.565	0.027
yes	ConvNeXt Adapter	no	Tiny	0.893	20.919	30.103	0.000	0.295	41.133	56.572	0.000	0.181	28.214	39.192	0.076	0.176	0.184	0.241	0.026	0.027
yes	ConvNeXt Adapter	with	Large	0.896	21.018	30.155	0.000	0.297	41.776	56.634	0.000	0.183	28.349	39.303	0.005	0.177	0.184	0.241	0.031	0.027
yes	ConvNeXt Adapter	no	Large	0.900	21.284	30.402	0.000	0.301	41.879	56.702	0.000	0.184	28.526	39.340	0.010	0.178	0.185	0.240	0.003	0.027
yes	UPerNet	yes	Large	0.905	20.914	30.290	0.000	0.295	42.152	56.843	0.000	0.185	28.455	39.294	0.485	0.177	0.186	0.241	0.001	0.027
yes	UPerNet	no	Large	0.910	20.999	30.297	0.000	0.296	43.167	57.773	0.000	0.190	28.471	39.309	0.001	0.177	0.185	0.241	0.001	0.027
yes	UPerNet	no	Small	0.912	21.368	30.569	0.000	0.302	42.279	56.963	0.000	0.186	28.718	39.467	0.093	0.179	0.186	0.242	0.016	0.027
no	UPerNet	no	Base	2.707	21.574	30.508	0.000	0.305	42.637	57.779	0.004	0.187	32.770	43.281	0.000	0.204	0.581	0.740	0.000	0.086
no	UPerNet	no	Tiny	2.917	21.298	30.558	0.002	0.301	40.103	55.297	0.055	0.176	31.678	42.534	0.434	0.197	0.609	0.784	0.000	0.090
no	UPerNet	no	Small	3.070	21.468	30.427	0.000	0.303	41.961	56.403	0.000	0.184	32.320	43.383	0.066	0.201	0.647	0.808	0.000	0.095
no	UPerNet	with	Base	3.073	21.347	30.317	0.000	0.301	40.678	55.274	0.021	0.179	31.653	42.796	0.957	0.197	0.603	0.812	0.933	0.089
no	UPerNet	no	Large	3.188	21.732	30.428	0.000	0.307	38.334	53.761	0.236	0.168	33.388	44.455	0.000	0.208	0.634	0.829	0.000	0.094
no	UPerNet	with	Small	4.282	21.736	30.346	0.000	0.307	40.566	54.612	0.000	0.178	32.270	43.408	0.001	0.201	0.796	0.999	0.000	0.117
no	UPerNet	with	Large	4.477	22.568	30.840	0.000	0.319	41.770	54.425	0.000	0.183	33.927	44.627	0.000	0.211	0.784	1.022	0.000	0.116
no	UPerNet	with	Tiny	4.547	21.068	30.637	0.062	0.297	40.949	56.814	0.513	0.180	30.902	42.400	0.401	0.192	0.563	0.713	0.000	0.083

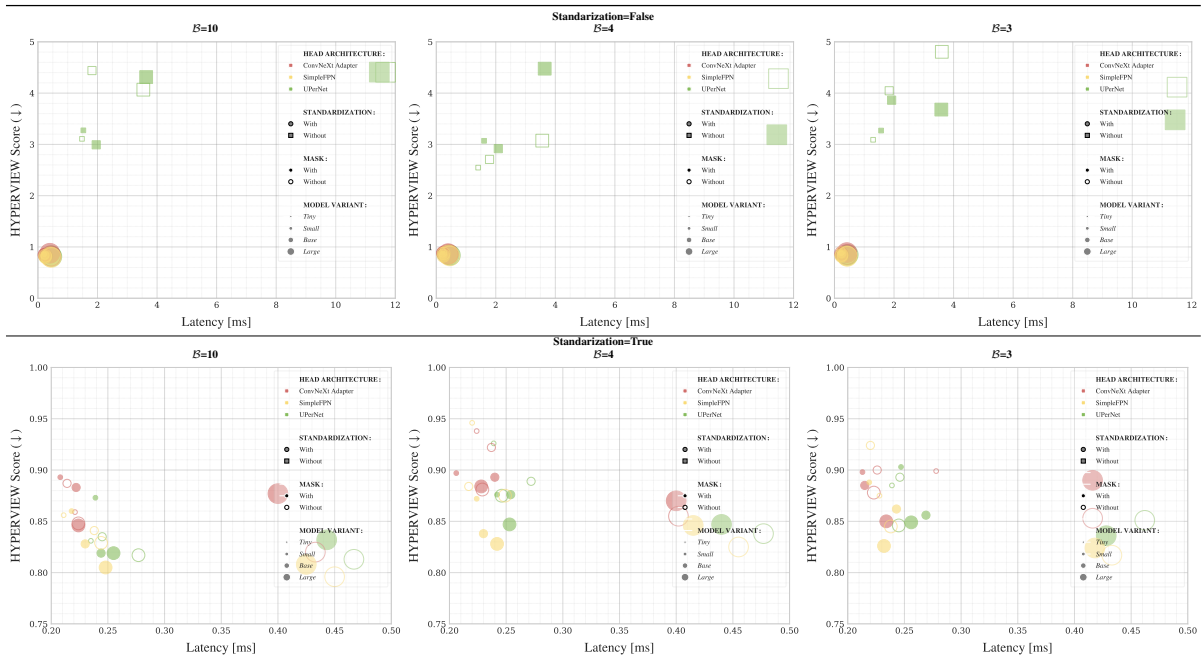


Figure 3. The relationships between the latency (in milliseconds) and the HYPERVIEW Score, for all experimental configurations.

Table 5. Performance comparison across different EagleEyes [6] model configurations (for *Scenarios I–III*) and nutrient prediction tasks. The best results for each scenario are **boldfaced**, and the p -values showing no statistically significant difference (≥ 0.05) when compared to GT are **boldfaced**. **Abbreviations: Models:** RF – Random Forest [1], **Data variants:** 3/4/10 – number of spectral bands or Sentinel-2 simulation, **Metrics:** RMSE – Root Mean Square Error, MAE – Mean Absolute Error, Score – the HYPERVIEW Score.

Std.	Head	Mask	Variant	Score↓	P ₂ O ₅				K ₂ O				Mg				pH			
					MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r
<i>Scenario I: B=10</i>																				
no	RF	yes	—	0.852	19.790	29.341	0.000	0.279	39.407	54.187	0.000	0.173	27.016	38.952	0.166	0.168	0.179	0.236	0.954	0.026
<i>Scenario II: B=3</i>																				
no	RF	yes	—	0.878	20.197	29.726	0.000	0.285	39.571	54.541	0.000	0.174	28.048	40.042	0.495	0.174	0.181	0.239	0.821	0.027
<i>Scenario III: B=4</i>																				
no	RF	yes	—	0.867	20.024	29.687	0.000	0.282	39.391	54.309	0.000	0.173	27.504	39.365	0.235	0.171	0.180	0.239	0.775	0.027

Table 6. The baseline results obtained using a variety of classic machine learning models. For each metric, we indicate if it should be minimized (↓) or maximized (↑). Best results are boldfaced. **Abbreviations: Models:** ET – Extra Trees [4], GB – Gradient Boosting [3], L2 – Linear Model with L2 regularisation, RF – Random Forest [1], TR – Tweedie Regressor [2], FCN – Fully Connected Neural Network [5] (with 2 (FCN₂) or with 5 (FCN₅) hidden layers), **Data variants:** 3/4/10 – number of spectral bands or Sentinel-2 simulation, **Metrics:** RMSE – Root Mean Square Error, MAE – Mean Absolute Error, Score – the HYPERVIEW Score.

Model	Score↓	P ₂ O ₅				K ₂ O				Mg				pH			
		MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r	MAE↓	RMSE↓	p -value	r
<i>Scenario I: B=3</i>																	
ET	1.03	45.950	63.270	0.000	0.200	31.380	43.350	0.850	0.200	22.570	32.450	0.040	0.320	0.210	0.270	0.750	0.030
FCN ₂	2.10	50.520	71.250	0.000	0.220	40.590	52.610	0.050	0.250	25.140	35.220	0.000	0.360	0.960	1.240	0.000	0.140
FCN ₅	2.16	51.100	66.620	0.000	0.220	38.590	50.560	0.000	0.240	24.350	33.550	0.000	0.340	1.030	1.370	0.000	0.150
GB	0.99	44.580	60.840	0.000	0.200	30.370	41.350	0.660	0.190	22.190	32.500	0.000	0.310	0.190	0.260	0.430	0.030
KNN	1.02	45.990	62.620	0.000	0.200	31.270	42.790	0.420	0.190	22.120	31.520	0.010	0.310	0.200	0.260	0.800	0.030
L2	0.98	44.800	60.670	0.000	0.200	29.820	40.310	0.560	0.190	21.480	30.670	0.000	0.300	0.190	0.260	0.370	0.030
RF	1.02	45.900	62.800	0.000	0.200	30.740	42.140	0.980	0.190	22.280	32.030	0.000	0.310	0.200	0.270	0.890	0.030
TR	0.98	44.800	60.670	0.000	0.200	29.820	40.310	0.560	0.190	21.480	30.670	0.000	0.300	0.190	0.260	0.370	0.030
<i>Scenario II: B=4</i>																	
ET	1.00	44.970	62.010	0.000	0.200	30.350	42.700	0.780	0.190	22.080	31.820	0.010	0.310	0.200	0.260	0.730	0.030
FCN ₂	1.95	52.780	70.830	0.010	0.230	36.680	48.190	0.000	0.230	24.930	34.180	0.000	0.350	0.860	1.110	0.000	0.130
FCN ₅	1.79	52.510	69.310	0.000	0.230	35.720	46.850	0.000	0.220	24.980	34.770	0.000	0.350	0.730	0.970	0.000	0.110
GB	0.98	43.970	60.590	0.000	0.190	29.650	40.810	0.920	0.180	21.740	31.300	0.000	0.310	0.190	0.260	0.480	0.030
KNN	1.01	44.910	62.380	0.000	0.200	31.120	43.150	0.480	0.190	22.560	32.280	0.090	0.320	0.200	0.260	0.930	0.030
L2	0.98	44.810	60.680	0.000	0.200	29.790	40.210	0.570	0.190	21.460	30.630	0.000	0.300	0.190	0.260	0.380	0.030
RF	0.98	44.190	61.250	0.000	0.190	29.750	41.730	0.740	0.190	21.750	31.510	0.000	0.310	0.200	0.260	0.910	0.030
TR	0.98	44.810	60.680	0.000	0.200	29.790	40.210	0.570	0.190	21.460	30.630	0.000	0.300	0.190	0.260	0.380	0.030
<i>Scenario III: B=10</i>																	
ET	0.98	44.410	61.470	0.000	0.190	29.560	42.030	0.860	0.180	21.800	31.530	0.020	0.310	0.200	0.260	0.860	0.030
FCN ₂	2.29	55.460	71.020	0.000	0.240	34.490	45.720	0.000	0.210	22.630	32.330	0.140	0.320	1.160	1.470	0.010	0.170
FCN ₅	1.76	52.290	68.700	0.000	0.230	35.150	46.360	0.000	0.220	23.290	32.260	0.000	0.330	0.730	0.950	0.000	0.110
GB	0.97	44.170	60.560	0.000	0.190	29.410	40.670	0.970	0.180	21.860	31.450	0.000	0.310	0.190	0.250	0.470	0.030
KNN	1.01	45.200	62.670	0.000	0.200	30.740	42.650	0.570	0.190	22.190	31.890	0.040	0.310	0.200	0.260	0.810	0.030
L2	0.98	44.350	60.300	0.000	0.190	29.690	40.150	0.480	0.180	21.390	30.500	0.000	0.300	0.190	0.260	0.410	0.030
RF	0.98	44.060	60.640	0.000	0.190	29.050	41.050	0.610	0.180	21.740	31.200	0.000	0.310	0.190	0.250	0.950	0.030
TR	0.98	44.400	60.390	0.000	0.190	29.600	40.160	0.220	0.180	21.370	30.530	0.000	0.300	0.190	0.260	0.530	0.030

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