

Supplementary Table S2. Sensitivity analysis for individual input reflectance wavelength in winning neural networks for estimation of nitrogen. status parameters

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N content in dry matter (%)		NNI		N uptake (kg ha ⁻¹)	
Ranking	Sensitivity score	Ranking	Sensitivity score	Ranking	Sensitivity score
5	8.1	4	13.6	1	16.6
6	5.8	7	5.1	3	6.7
12	2.5	1	17.7	10	4.7
4	9.6	3	15.1	8	5.0
3	12.7	2	16.2	7	5.6
1	21.3	5	9.4	9	4.7
7	5.0	15	1.0	12	4.5
2	12.8	10	2.1	6	5.8
10	3.2	11	1.9	2	7.3
11	2.6	16	1.0	15	4.3
17	1.0	13	1.5	17	4.2
9	3.9	14	1.1	5	6.4
15	1.4	12	1.7	14	4.4
8	5.0	6	6.8	4	6.5
16	1.3	17	0.9	13	4.5
14	1.7	9	2.2	16	4.2
13	2.2	8	2.8	11	4.6

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N content in dry matter (%)		NNI		N uptake (kg ha ⁻¹)	
Ranking	Sensitivity score	Ranking	Sensitivity score	Ranking	Sensitivity score
2	10.1	8	0.0	1	50.5
1	10.3	7	0.0	4	3.9
4	7.5	6	0.0	5	3.7
16	2.0	11	0.0	8	2.4
14	3.9	15	0.0	7	3.2
17	1.9	5	0.6	2	13.3
12	4.1	1	50.1	6	3.2
8	6.4	3	20.6	10	2.0
9	6.2	16	0.0	9	2.1
6	7.0	12	0.0	14	1.6
5	7.2	17	0.0	12	1.6
11	5.1	10	0.0	17	1.1
3	8.0	4	1.1	3	5.2
7	7.0	9	0.0	13	1.6
10	6.0	13	0.0	15	1.3
15	3.4	14	0.0	16	1.3
13	4.0	2	27.7	11	1.9