

Table S4. Fluorescence parameters of lettuce leaves with optimal plant nutrition and under nitrogen, phosphorus or potassium deficiency (day 28 of vegetation).

FL	C		ND		PD		KD	
	M	SEM	M	SEM	M	SEM	M	SEM
‘Vitaminnyi’								
F	1801	76	2238	167	1501	109	1832	129
Fm'	1915	72	2297	158	1668	99	1928	121
Y(II)	0.060	0.005	0.027	0.008	0.104	0.019	0.052	0.009
Fo'	315	6.1	400	39.6	309	12.1	324	26.1
qP	0.072	0.006	0.032	0.009	0.130	0.026	0.062	0.011
qN	0.032	0.023	0.043	0.011	0.046	0.010	0.048	0.014
qL	0.013	0.002	0.005	0.001	0.030	0.009	0.011	0.002
NPQ	0.030	0.021	0.039	0.010	0.040	0.009	0.044	0.013
Y(NO)	0.914	0.021	0.937	0.007	0.863	0.023	0.909	0.011
Y(NPQ)	0.038	0.012	0.036	0.009	0.034	0.007	0.039	0.012
Fo	317	5.28	403	40.2	311	12.6	327	26.8
Fm	1973	85.1	2389	178.5	1732	94.6	2017	141.6
Fv/Fm	0.838	0.008	0.833	0.007	0.816	0.019	0.838	0.003
‘Kokarda’								
F	1688	50	2034	137	1751	38	1693	53
Fm'	1813	48	2114	129	1868	32	1799	55
Y(II)	0.069	0.008	0.039	0.007	0.063	0.007	0.059	0.002
Fo'	329	11.3	385	25.1	337	11.0	291	10.4
qP	0.084	0.009	0.048	0.009	0.076	0.008	0.071	0.003
qN	0.046	0.004	0.052	0.017	0.038	0.009	0.056	0.010
qL	0.016	0.002	0.009	0.002	0.015	0.001	0.012	0.001
NPQ	0.040	0.004	0.048	0.018	0.034	0.009	0.051	0.009
Y(NO)	0.895	0.009	0.918	0.011	0.907	0.012	0.895	0.008
Y(NPQ)	0.036	0.003	0.043	0.016	0.03	0.008	0.046	0.008
Fo	332	11.2	388	26.0	339	11.2	294	10.6
Fm	1886	44.3	2218	151.9	1931	33.6	1890	44.7
Fv/Fm	0.824	0.004	0.825	0.002	0.824	0.005	0.844	0.008

Note. M denotes fluorescence parameters mean values. SEM is the standard error of the means