Table S1 – Equations used to calculate the vegetation indices implemented in the experiments.

Index	Equation
ARVI2 (Atmospherically Resistant Vegetation Index 2)	$-0.18 + 1.17 * ((R\lambda_{nir} - R\lambda_{red})/(R\lambda_{nir} + R\lambda_{red}))$
ATSAVI (Ajusted Transformed soil-ajusted VI)	$1.22 * \left[\frac{(R\lambda_{nir} - 1.22 * R\lambda_{red} - 0.03)}{(1.22 * R\lambda_{nir} + R\lambda_{red} - 1.22 * 0.03 + 0.08(1 + 1.22^2)}\right]$
BWDRVI (Blue-wide dynamic range vegetation index)	$0.1 * (R\lambda_{nir} + R\lambda_{red})$
CCCI (Canopy Chlorophyll Content Index)	$\frac{[(R\lambda_{nir} - R\lambda_{rededge})}{(R\lambda_{nir} + R\lambda_{rededge})]/[\frac{(R\lambda_{nir} - R\lambda_{red})}{(R\lambda_{nir} + R\lambda_{red})}]}$
CIgreen (Chlorophyll Index Green)	$\frac{(R\lambda_{nir}}{R\lambda_{green}}) - 1$
CIredEdge (Chlorophyll Index RedEdge)	$\frac{(R\lambda_{nir}}{R\lambda_{rededge}}) - 1$
CVI (Chlorophyll Vegetation Index)	$\frac{R\lambda_{nir} * (R\lambda_{red}}{R\lambda_{green}{}^2})$
DVI (Difference Vegetation Index)	$R\lambda_{nir} / R\lambda_{red}$
EVEI2 (Enhanced Vegetation Index 2)	$2.5 * (R\lambda_{nir} - R\lambda_{red}) / (R\lambda_{nir} + 2.4 * R\lambda_{red} + 1)$
GDVI (Difference NIR/Green Difference Vegetation Index)	$R\lambda_{nir} - R\lambda_{green}$
GEMI (Global Environment Monitoring Index)	$2 * (1 - 0.25 * 2) - ((R\lambda_{red} - 0.125)/(1 - R\lambda_{red}))$
GNDVI (Green Normalized Difference Vegetation Index)	$\frac{(R\lambda_{nir} - R\lambda_{red})}{(R\lambda_{nir} + R\lambda_{red})}$
GRNDVI (Green-Red NDVI)	$[R\lambda_{nir} - (R\lambda_{green} + R\lambda_{red})]/[R\lambda_{nir} + (R\lambda_{green} + R\lambda_{red})$
GRVI (Green-Red Vegetation Index)	$\frac{(R\lambda_{green} - R\lambda_{red})}{(R\lambda_{green} + R\lambda_{red})}$
GSAVI (Green Soil Adjusted Vegetation Index)	$[(R\lambda_{nir} - R\lambda_{green})/(R\lambda_{nir} + R\lambda_{green} + 0.5)] * 1.5$
GTVI (Green Triangle Vegetation Index)	$(NDVI + 0.5)/(NDVI + 0.5) * [(\sqrt{NDVI} + 0.5)]$
IPVI (Infrared Percentage Vegetation Index)	$R\lambda_{nir}/((R\lambda_{nir} + R\lambda_{red})/2) * (NDVI + 1)$
LogR (Log Ratio)	$\mathrm{Log}(R\lambda_{nir} / R\lambda_{red})$
MSAVI (Modified Soil Adjusted Vegetation Index)	$[2 * (R\lambda_{nir} + 1) - \sqrt{(2 * R\lambda_{nir} + 1)^2 - 8 * (R\lambda_{nir} - R\lambda_{red})}]/2$
MSRNirRed(Modified Simple Ratio NIR/RED)	$\frac{(R\lambda_{nir}/R\lambda_{red} - 1)}{\sqrt{(R\lambda_{nir}/R\lambda_{red} + 1}}$
NDRE (Normalized Difference Red-Edge Index)	$\frac{R\lambda_{nir} - R\lambda_{rededge}}{\lambda_{nir} + R\lambda_{rededge}}$
NDVI (Normalized Difference Vegetation Index)	$\frac{(R\lambda_{nir} - R\lambda_{red})}{(R\lambda_{nir} + R\lambda_{red})}$
NGRDI(Normalized Green-Red Difference Index)	$\frac{(R\lambda_{green} - R\lambda_{red})}{(R\lambda_{green} + R\lambda_{red})}$
NormR1 (Normalized G)	$\frac{R\lambda_{green}}{(R\lambda_{nir} + R\lambda_{red} + R\lambda_{green})}$
NormR2 (Normalized NIR)	$\frac{R\lambda_{nir}}{(R\lambda_{nir} + R\lambda_{red} + R\lambda_{green})}$
NormR3 (Normalized R)	$\frac{R\lambda_{red}}{(R\lambda_{nir} + R\lambda_{red} + R\lambda_{green})}$
RGR (Red Green Ratio Index)	$\frac{(R\lambda_{red}}{R\lambda_{green}})$
RI (Redness Index)	$R\lambda_{red} - R\lambda_{green}/R\lambda_{red} + R\lambda_{green}$
RRI 1	$\frac{R\lambda_{nir}}{R\lambda_{rededge}}$
TNDVI (Transformed NDVI)	$[\sqrt{R\lambda_{nir} - R\lambda_{red})}]/(R\lambda_{nir} + R\lambda_{red})] + 0.5$
SQRT_IR_R	$\sqrt{R\lambda_{nir} / R\lambda_{red}}$
SRRed_NIR	$\frac{R\lambda_{red}}{R\lambda_{nir}}$
WDRVI(Wide Dynamic Range Vegetation Index)	$\frac{(0.1 * R\lambda_{nir} - R\lambda_{red})}{(0.1 * R\lambda_{nir} + R\lambda_{red})}$

NIR = near-infrared.