

Vegetation index		Hyp	S2	L8	Biophysical property	Reference
NDVI	Normalized Difference Vegetation Index	$\frac{R_{800}-R_{670}}{R_{800}+R_{670}}$	$\frac{B_{8A}-B_4}{B_{8A}+B_4}$	$\frac{B_5-B_4}{B_5+B_4}$	Green biomass and area	Rouse et al. (1974)
GNDVI	Green Normalized Diff. Veg. Ind.	$\frac{R_{750}-R_{550}}{R_{750}+R_{550}}$	$\frac{B_7-B_3}{B_7+B_3}$	$\frac{B_5-B_3}{B_5+B_3}$	Green biomass and area	Gitelson and Merzlyak (1998)
NDVI <sub>re</sub>	Red-edge Normalized Diff. Veg. Ind.	$\frac{R_{750}-R_{720}}{R_{720}+R_{750}}$			Green biomass	Gitelson and Merzlyak (1994)
CI	Chlorophyll index	$\frac{R_{750}-R_{705}}{R_{750}+R_{705}}$			Chlorophyll	Gitelson and Merzlyak (1994)
MTCI	MERIS Terrestrial Chlorophyll Index	$\frac{R_{754}-R_{709}}{R_{709}+R_{681}}$	$\frac{B_6-B_5}{B_5+B_4}$		Chlorophyll, nitrogen	Dash and Curran (2004)
PRI	Photochemical Reflectance Index	$\frac{R_{570}-R_{531}}{R_{570}+R_{531}}$			Radiation use efficiency, Carotenoid / chlorophyll	Gamon et al. (1992)
PSRI	Plant Senescence Reflectance Index	$\frac{R_{680}-R_{500}}{R_{750}}$	$\frac{B_4-B_3}{B_6}$		Carotenoid / chlorophyll	Merzlyak et al. (1999)
NDWI	Normalized Difference Water Index	$\frac{R_{860}-R_{1240}}{R_{860}+R_{1240}}$			Tissue water content	Gao (1996)
WBI	Water Band Index	$\frac{R_{970}-R_{900}}{R_{970}+R_{900}}$			Tissue water content	Peñuelas et al. (1993)