

Supplementary information

A novel disease sensitive index (DSI) for monitoring early maize leaf disease using PROSPECT-D and LESS models

Table S4.1 The other inputs of LESS

Variable	Units	Values
Sensor		
Width	pixels	120
Height	pixels	400
Samples	pixels	128
Spectral Bands	-	475:20, 560:20, 668:10, 717:10, 840:40
Width Extent	m	0.6
Height Extent	m	2
Observation		
View Zenith	°	0
View Azimuth	°	180
Sensor Height	m	30
Illumination & Atmosphere		
Sun Zenith	°	30
Sun Azimuth	°	160
Optical Database (From PROSPECT-D)		
Terrain		
type	-	PLANE
XSize	m	0.6
YSize	m	2
BRDF Type	-	Lambertian
Optical Property	-	Dark_soil_mollisol

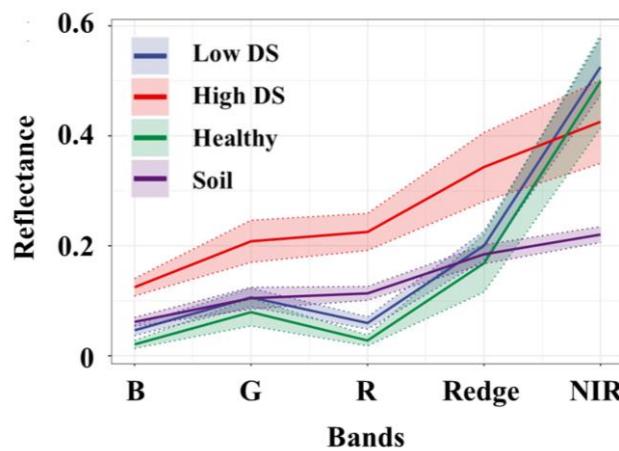


Fig. S4.1. Reflectance of different ground objects obtained from multispectral images.