

Table 6: Landsat and SPOT Spectral Band Applications (in microns)

Landsat	SPOT	Application
.45-.52 (Blue light)		Coastal water mapping, soil/vegetation differentiation, deciduous/coniferous differentiation
.52-.60 (Green light)	.50-.59	Green reflectance from healthy vegetation, iron content in rocks and soil
.63-.69 (Red light)	.61-.68	Chlorophyll absorption for plant differentiation
.76-.90 (Near-Infrared)	.79-.89	Biomass survey, water body delineation
.80-1.1 (Mid-Infrared)		Crop vigor
1.55-1.75 (Mid-Infrared)	1.58-1.75	Plant moisture content, cloud/snow differentiation
2.08-2.35 (Mid-Infrared)		Soil analysis
10.4-12.5 (Thermal Infrared)		Thermal mapping, soil moisture