

Value Ranges for Indices

1. NDVI (Normalized Difference Vegetation Index)

NDVI Value	Interpretation
0.00 – 0.30	Bad – poor vegetation, bare soil, stressed crop
0.30 – 0.55	Average – developing vegetation, moderate health
0.55 – 0.75	Good – healthy, dense vegetation
> 0.75	Very High – extremely vigorous crop canopy

2. NDMI (Moisture Index)

NDMI Value	Interpretation
< 0.15	Bad / Dry – low moisture, possible drought stress
0.15 – 0.30	Average – moderate moisture
> 0.30	Good – high moisture, healthy water content

3. NDWI (Water Index)

NDWI Value	Interpretation
< 0.10	Bad – low water presence
0.10 – 0.25	Average – moderate water content
> 0.25	Good – strong water presence

4. SOC (Soil Organic Carbon)

SOC Value	Interpretation
< 1.5	Low (Bad) – poor soil organic matter
1.5 – 2.5	Moderate
> 2.5	High (Good) – rich organic content

5. Nitrogen (N)

Nitrogen	Interpretation
< 0.7	Low – crop may need nitrogen fertilization
0.7 – 1.0	Adequate
> 1.0	High / Good

6. Phosphorus (P)

Phosphorus	Interpretation
< 0.35	Low
0.35 – 0.45	Adequate
> 0.45	High

7. Potassium (K)

Potassium	Interpretation
< 0.55	Low
0.55 – 0.7	Adequate
> 0.7	High / Good

8. pH Level

pH	Interpretation
< 5.5	Bad / Acidic – problematic for most crops
5.5 – 6.0	Slightly acidic – acceptable
6.0 – 7.0	Good / Neutral – ideal for most crops
> 7.0	Alkaline – may cause nutrient availability issues
