

# Value Ranges for Indices

## 1. NDVI (Normalized Difference Vegetation Index)

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

## 2. NDMI (Moisture Index)

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

## 3. NDWI (Water Index)

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

## 4. SOC (Soil Organic Carbon)

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

## 5. Nitrogen (N)

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

## 6. Phosphorus (P)

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

## 7. Potassium (K)

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

## 8. pH Level

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