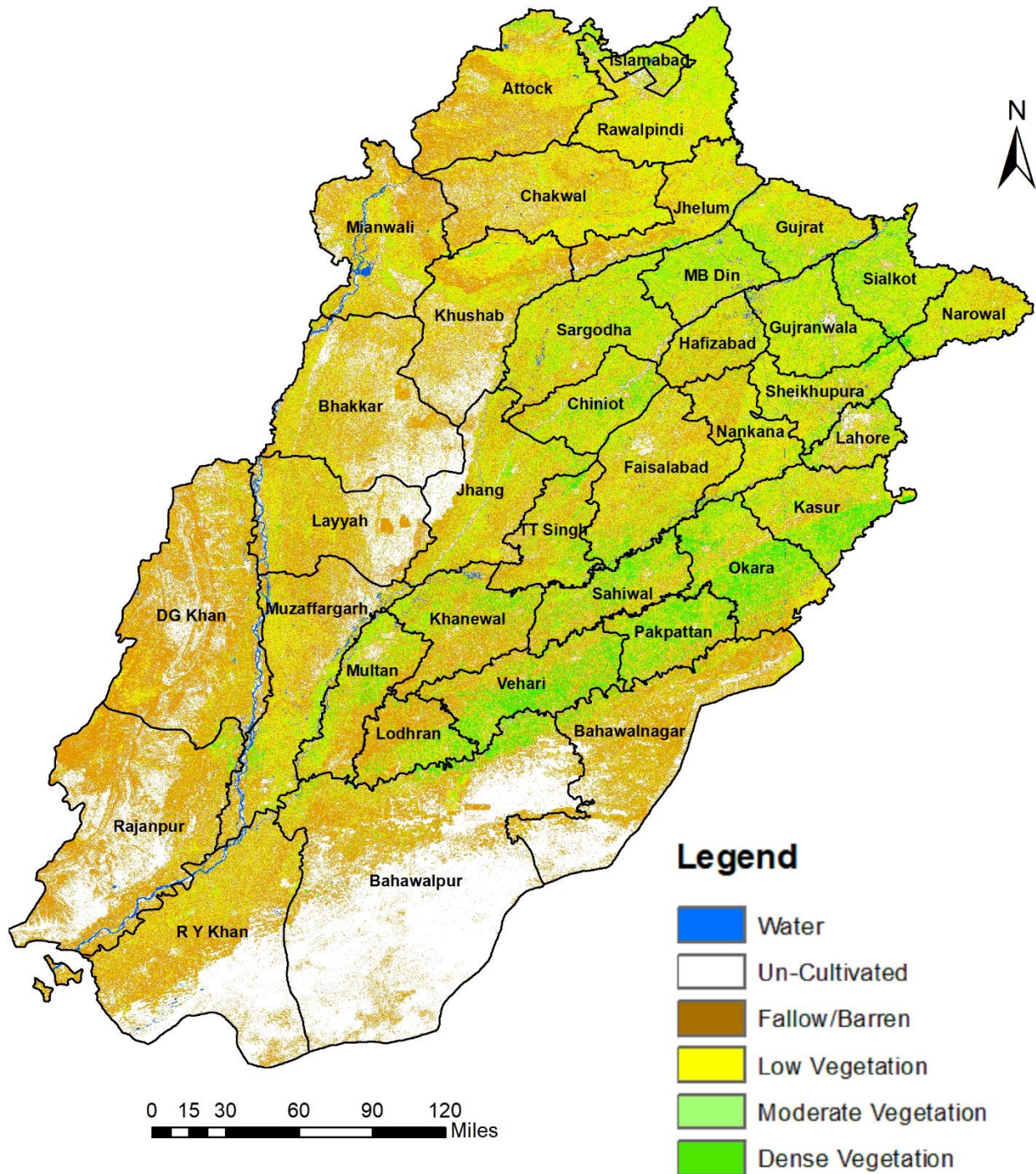




# Crop Monitoring In Punjab through Remote Sensing *Kharif Season*

## Standing Crop Situation (May 2<sup>nd</sup> Half, 2023)



Crop Reporting Service, Agriculture Department Punjab

RS-GIS Section, Directorate General CRS, Multan Road, Lahore, Pakistan. <https://crs.agripunjab.gov.pk>

Email: [webcell.crs@gmail.com](mailto:webcell.crs@gmail.com). Phone: 042-99330378



## Normalized Difference Vegetation Index (NDVI) Analysis

Categories	NDVI Ranges	Area in “000” Acres	Comments
Water Bodies	-0.69 to 0.02	473	▪ River belts, lakes, canals, or ponds, etc
Un-Cultivated	0.02 to 0.14	12,401	▪ Built up, dessert or mountain, etc
Fallow/Barren	0.14 to 0.17	13,629	▪ Fallow area ready to cultivate or Barren, etc.
Low Vegetation Fields	0.17 to 0.33	15,662	▪ Area under plant germination. The crops such as late cotton, rice (non-bas) transplantation, & minor crops.
Moderate Vegetation Fields	0.33 to 0.45	5,700	▪ Crops such as sesamum, moong, cotton (April sowing), rice (non-bas), fodder, etc
Dense Vegetation Fields	0.45 to 0.75	2,752	▪ Crops such as maize(s), early cotton (March sowing), early sugarcane, fodder, etc ▪ Orchards, forest, etc
<b>Total</b>		<b>50,617</b>	

## Summary

- The sowing of the cotton crop has almost been completed, and early cotton is in good health.
- The harvesting of maize & sunflower is started. The high yield is expected due to suitable temperatures and rainfall from March to the end of May.
- It is also observed through NDVI analysis that there is no stress on any standing crop in May.
- The transplantation of rice (non-basmati) is also started.
- The minor crops like sesamum, moong, fodder & vegetables are also growing well due to suitable weather conditions.



Early (March) Cotton Fields in Vehari



Late (May) Cotton Fields in Rajanpur



Rice (non-bas) Field in Khanewal



Sesamum Field in Khanewal



Early Sugarcane Field in Sahiwal



Maize (s) Field in Sahiwal

