

India, Spring 2022: Record Heat Affecting Crops, Wheat Production Remains Above Average

Extreme temperatures in March 2022 have reduced wheat yields, but remain high.



103 million metric tons - India's estimated wheat production for 2022/23, 13% of global production. Of India's total supply (118.5M mt), domestic consumption accounts for 83% and exports account for 5%.

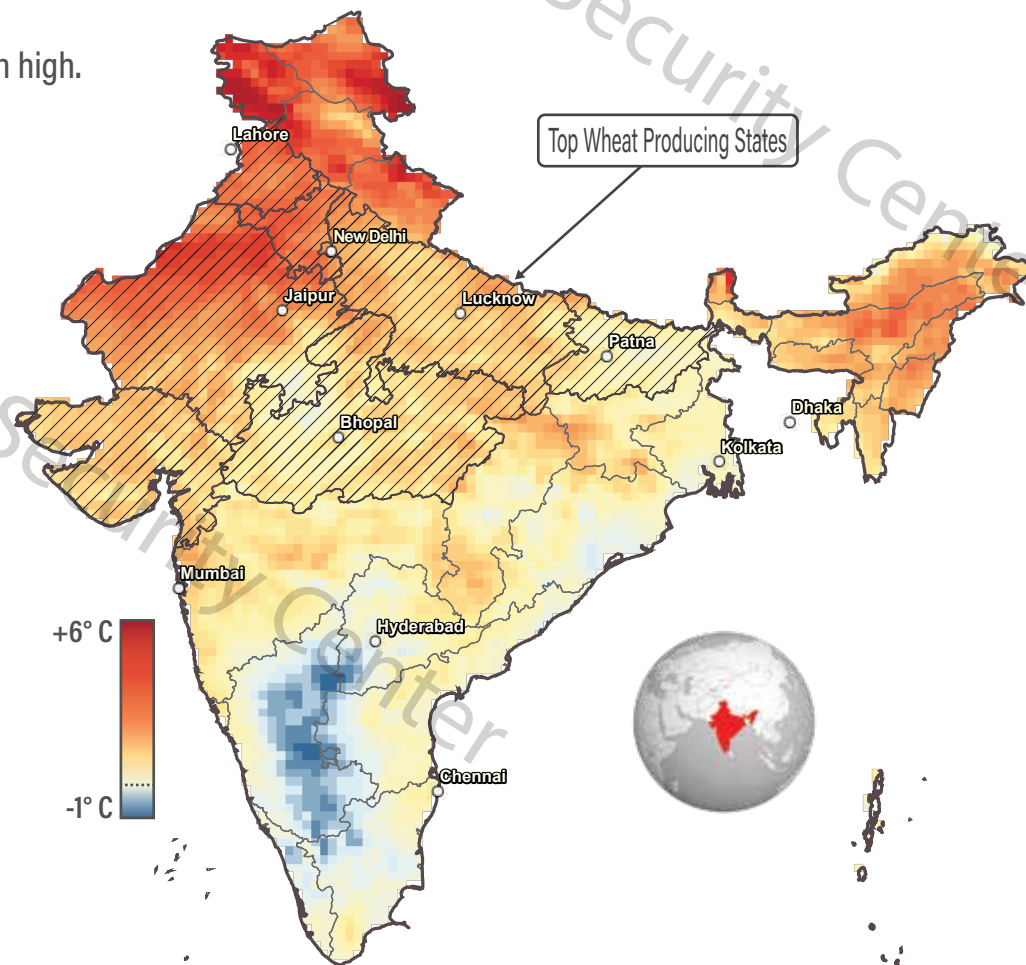
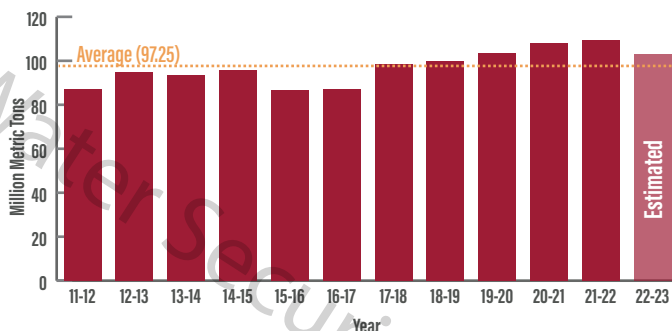


49° C - Delhi's new record high in May. India is facing its worst heatwave since records began 122 years ago.



Monsoon rains have arrived to parts of India and have lowered maximum temperatures. Northwest India remains dry.

Wheat Production in India Remains High



Temperature anomalies in India for March 2022 compared to baseline temperatures between 1950-2020

Pathway to Impact

2022/2023 wheat yield is down (3.19 mt/ha) compared to 2021/2022 (3.47 mt/ha). Yield is down 6% from the previous 5-year average.

Following five consecutive seasons of record harvest, India is projected to fall short of production estimates because of high temperatures. Production, however, remains above average.

Wheat acreage in 2022/2023 (31 million ha) is down slightly compared to 2021/2022 (31.1 million ha), but has been trending upwards for the past four years.

Sources:

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Wheat Production Statistics:

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Basemap Source:

Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community [Vector tile layer]. Scale Not Given. "Light Gray Canvas Base". September 21, 2022. https://basemaps.arcgis.com/arcgis/rest/services/World_Basemap_v2/VectorTileServer. (June 30, 2022).

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