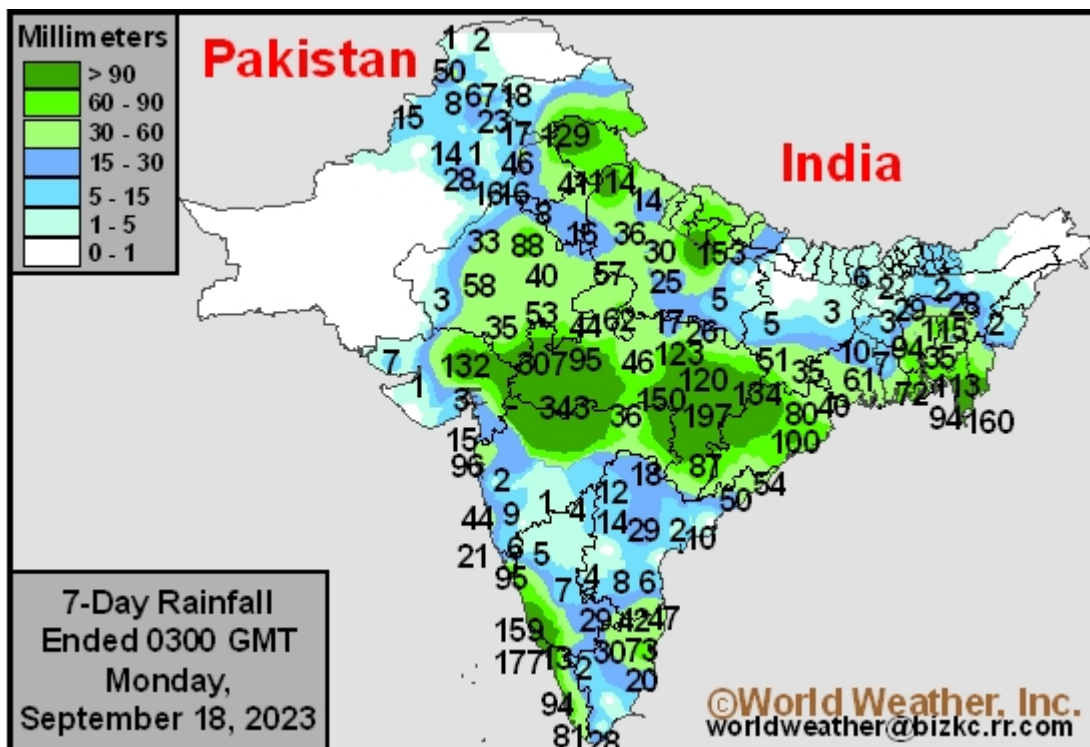


# Madhya Pradesh, India Flooding May Have Damaged Soybeans

By Andrew Owen

Kansas City, September 18 (World Weather Inc.) – [A monsoonal disturbance generated torrential rain in western Madhya Pradesh and neighboring areas in Maharashtra and Gujarat this past weekend. Severe flooding was noted in several locations that may have damaged or destroyed some of the soybeans and other grains, oilseeds, pulses and dry beans produced in the region. Additional rain is slated for these locations today and again later this week and weekend. The ground will remain saturated, though no more severe flooding is expected. Wet weather diseases and quality declines will be possible for the wettest locations.](#) Once flooding subsides in central India this week a new area of potential flooding may evolve in Bangladesh and some neighboring areas.



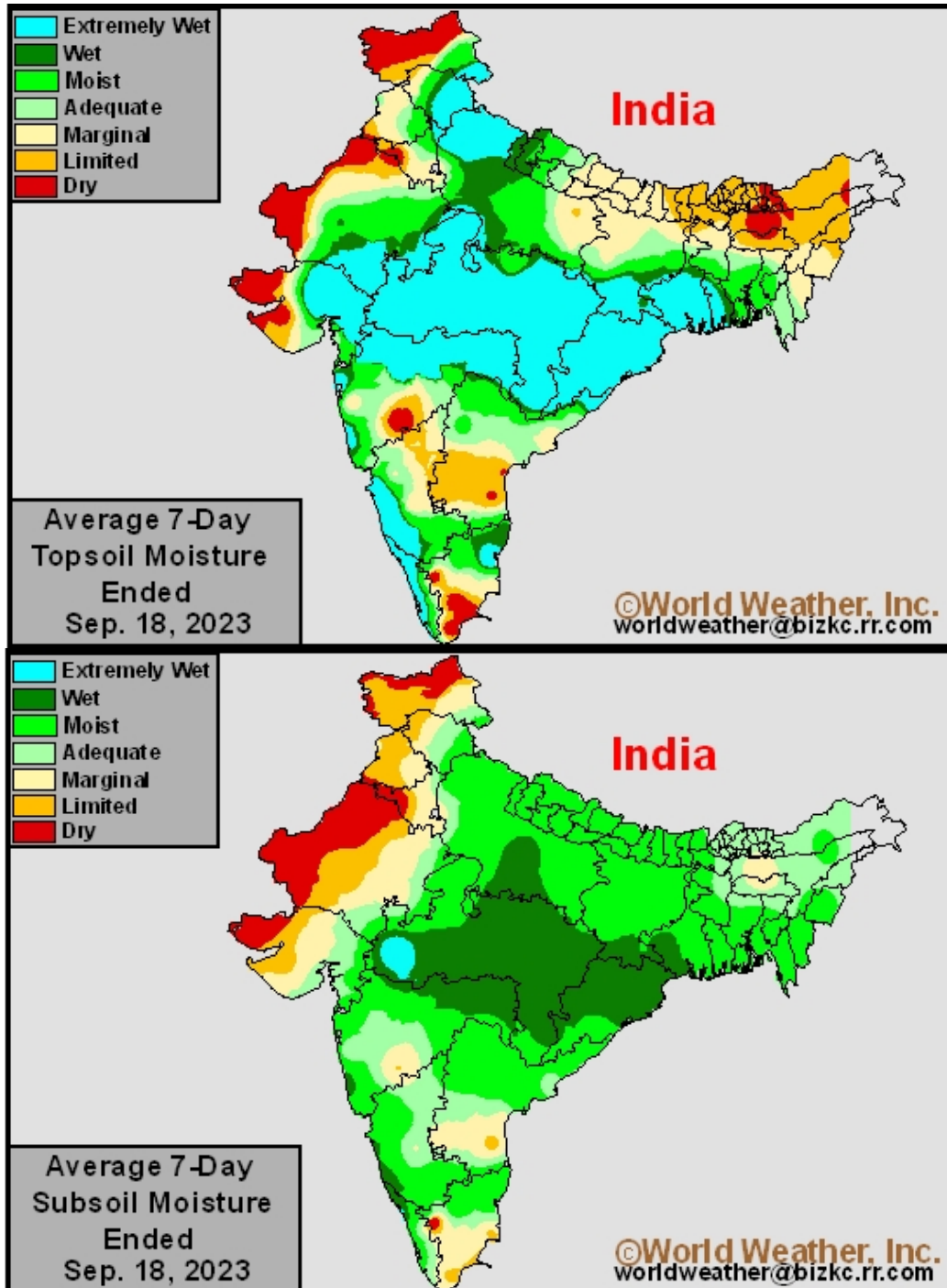
Rainfall varied significantly across India during the past week. [Western Madhya Pradesh and immediate neighboring areas in Maharashtra and Gujarat reported 3.74 to 13.50 inches of rain for the seven-day period ending this morning and the ground was already saturated before the rain began resulting in the serious flood conditions that evolved. Most of the significant rainfall occurred during the weekend.](#)

Eastern Madhya Pradesh into Chhattisgarh, Odisha, central and northern Uttar Pradesh, Uttarakhand, and Himachal Pradesh reported 0.55 to 5.28 inches of rain with local amounts up to 7.76 inches in Chhattisgarh. Southern sections of Bangladesh and the Eastern States received 1.38 to 6.30 inches of rain. Kerala and coastal Karnataka reported 3.19 to 6.97 inches of rain. Rajasthan received anywhere from 0.12 to 3.46 inches of rain. Punjab and Haryana received 0.32 to 1.81 inches of moisture. West Bengal and northern Tamil Nadu received 0.79 to 2.87 inches of moisture. Andhra Pradesh, Telangana, southern Karnataka, and western Maharashtra received 0.16 to 2.13 inches of rain with a local

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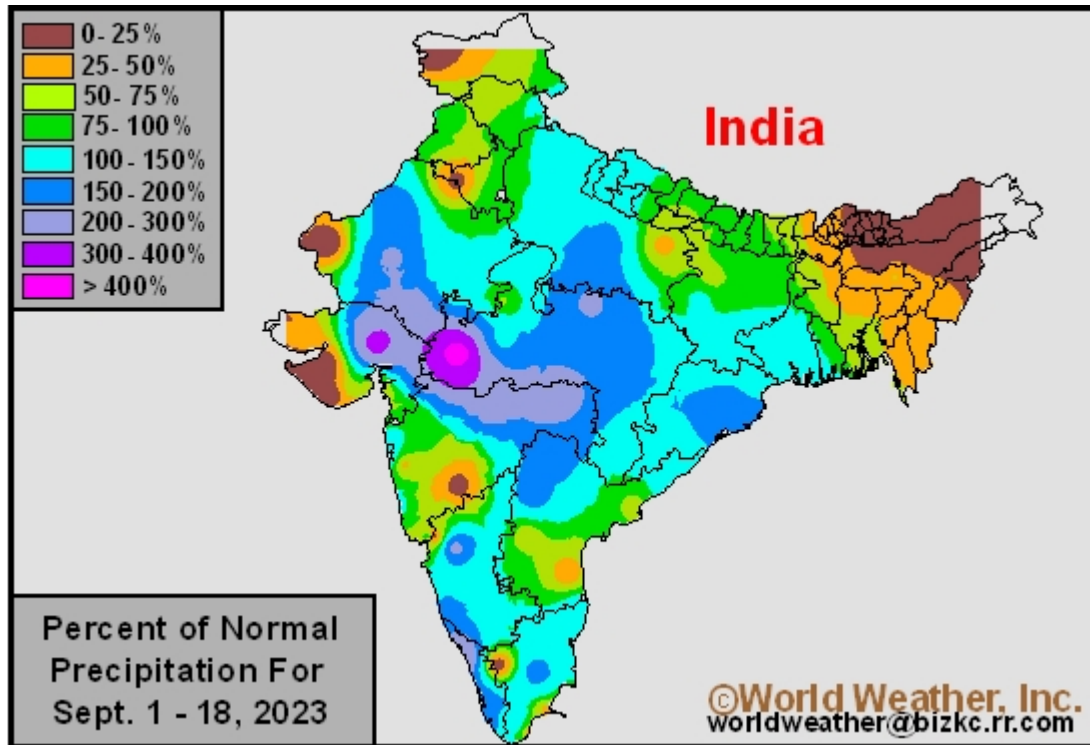
amount of 3.78 inches along the Maharashtra coastline. Little to no rain was noted in the remaining locations.

Madhya Pradesh, Chhattisgarh, Odisha, northern Uttar Pradesh, Uttarakhand, Himachal Pradesh, eastern Gujarat, and neighboring areas are excessively wet due to recent rainfall. Severe flooding was noted in portions of western Madhya Pradesh where the greatest amount of rain fell. Damage to soybeans and other crops has strongly suspected, though the extent of damage and losses was not yet known.



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Soil moisture was rated adequate to marginally adequate in most other production areas, though western fringes of Gujarat and Rajasthan remain quite dry. Pockets in southern Andhra Pradesh, southern Tamil Nadu, northern Karnataka, and extreme northeastern India also have a shortage of moisture.



Western Madhya Pradesh and neighboring areas are in need of drier weather to firm the ground and support more aggressive soybean and other crop growth. Continued rain may further damage crops and could also lower quality or expose crops to wet weather diseases. Other locations in central and eastern India did not receive enough rain during the past week to significantly impact production potentials despite the ground becoming or remaining excessively wet.

In the meantime, Rajasthan, Punjab, and Haryana reported much-needed rainfall during the past week. Crops in these states had trended too dry to support ideal growth and concern was rising over the potential for production cuts. While minor production potentials may have been lost due to the dryness, there is still hope no major losses occur.

Pockets in southern Andhra Pradesh, northern Karnataka, southern Tamil Nadu, and neighboring areas have remained too dry to support ideal sugarcane, cotton, groundnut, citrus, rice, coffee and other crop growth. Some spotty rain in recent weeks has helped support new growth, though production potentials have likely remained below normal due to the dryness over the growing season. The remaining locations in India generally had enough moisture to support good crop development during the past week.

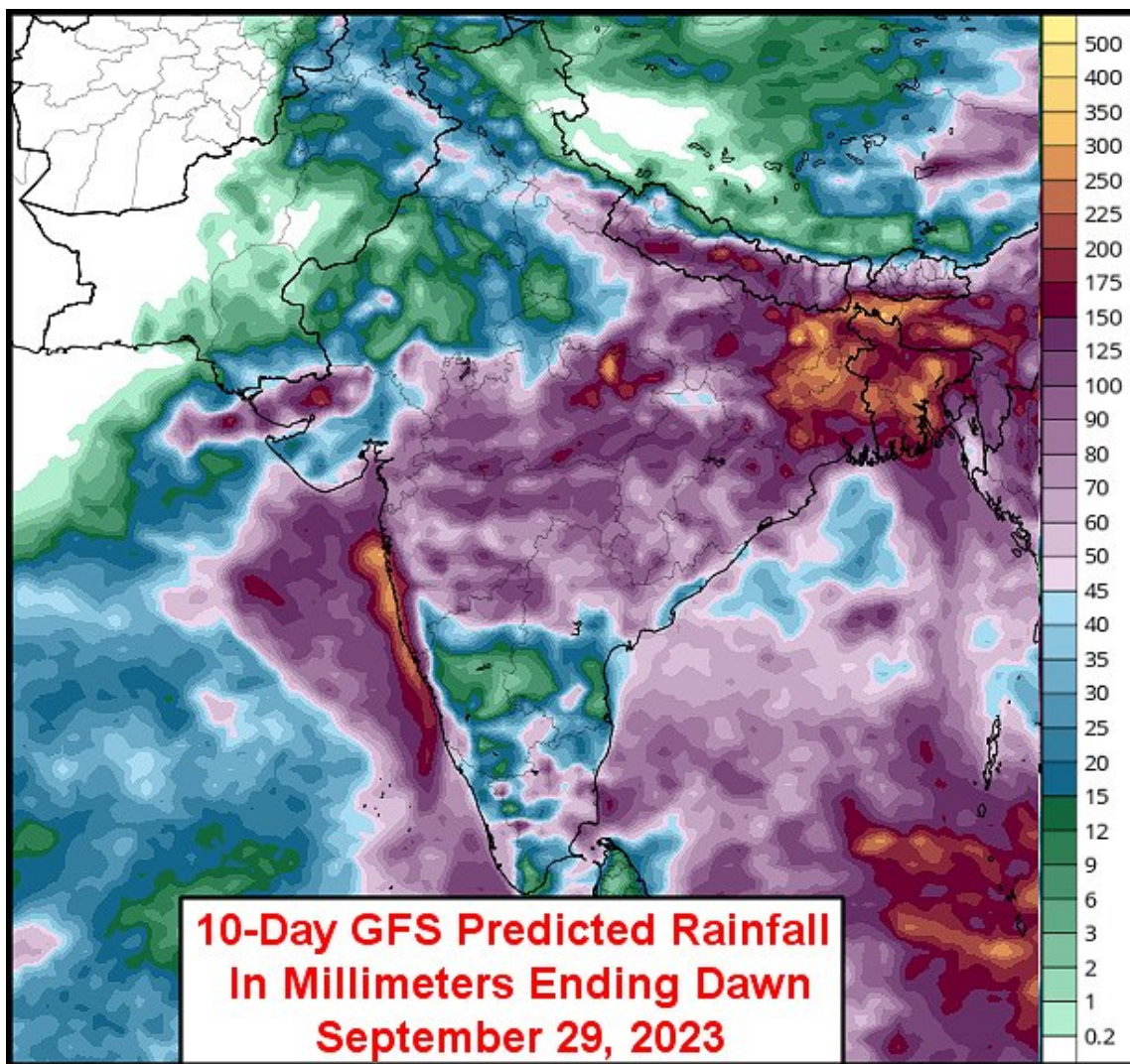
## WEATHER OUTLOOK



## Madhya Pradesh, India Flooding May Have Damaged Soybeans

Frequent monsoonal rain is slated from eastern and central India into Maharashtra, Gujarat, and western Madhya Pradesh this week. The recent monsoonal disturbance will continue to promote significant rain in Gujarat and neighboring locations today. Another monsoonal disturbance will promote waves of rain for these locations later this week and weekend as well. Moisture totals by next Monday morning will range from 3.00 to 7.00 inches and local amounts of 10.00 inches or more from Bangladesh, the Eastern States, West Bengal, Jharkhand, and Bihar into northern Odisha, Chhattisgarh, and eastern Madhya Pradesh. Other locations will receive 1.50 to 5.00 inches of rain and locally more in Gujarat.

The remaining production areas in India will see a mix of monsoonal rain and sunshine this week. Moisture totals will range from 0.50 to 3.00 inches with drier pockets in northern Rajasthan, Punjab, and Karnataka. Gujarat and Rajasthan into northern India will trend drier than normal September 26 – October 2 while the remaining locations see a good mix of monsoonal rain and sunshine.



*Flash flooding will be a concern in eastern India later this week and weekend when some of the most significant rain occurs. Minor damage to rice and other crops will be possible, though overall losses should be minimal. Standing water may remain a*

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**concern in western Madhya Pradesh and neighboring areas and could further impact soybean and other crop quality.** Crop development conditions will otherwise remain favorable outside the wettest locations in eastern and central India into Gujarat and Maharashtra.

Southern India will welcome this week's rain, though the driest locations will not receive enough rain to completely fix the moisture deficits. Production is still expected to trend lower than normal due to dryness earlier in the growing season. Rajasthan, Punjab, and Haryana will dry down marginally this week, but this is the end of the rainy season and the prospects for abundant rain in these three states should be decreasing with each passing day.

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