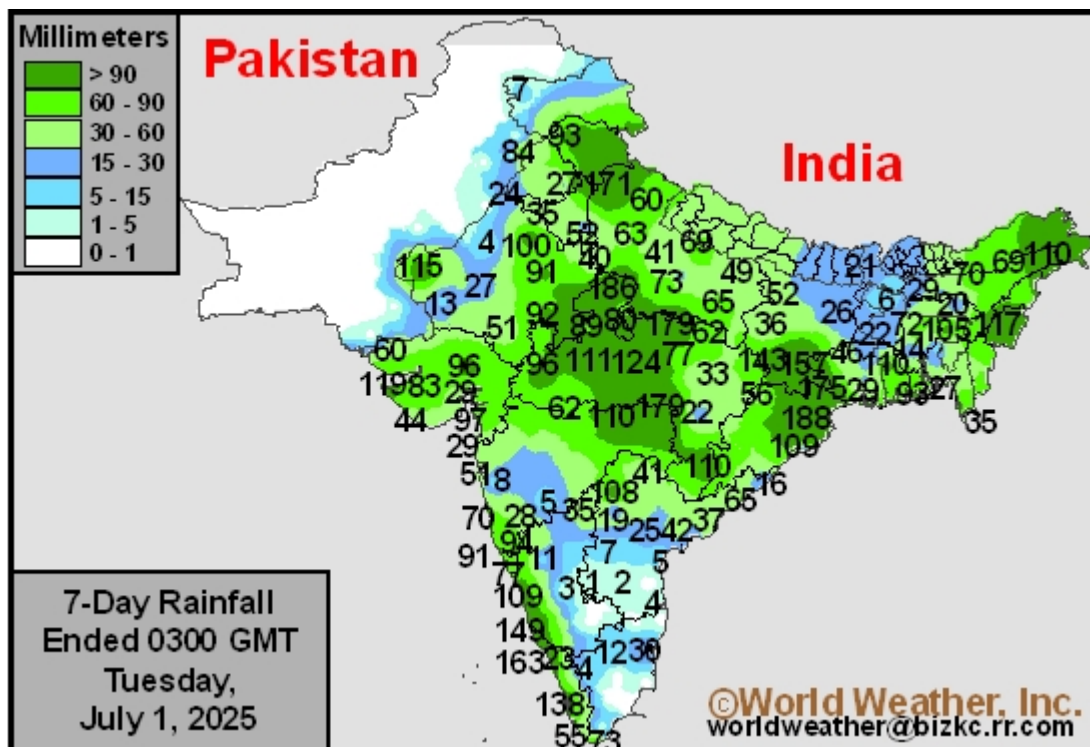


Indian Monsoon May Promote Localized Flooding

By Andrew Owen

Kansas City, July 1 (World Weather Inc.) – Indian's monsoon is in full swing with a large section of the country receiving rain during the past week. Planting and general fieldwork may have advanced slowly in the wettest locations of eastern, central, and northern India during the past week, though most producers had opportunities to get into the fields between rain events. While early-season production potentials are generally favorable, many areas in southern India have been drier or much drier than normal since late May. Moisture deficits have likely impacted development conditions for the earliest planted crops and there is a growing need for timely rain. Southern India will remain drier biased for at least the next seven days while other areas continue to receive rain on a frequent basis. Localized flooding will be a concern in the wettest areas of eastern, central, and northern India.

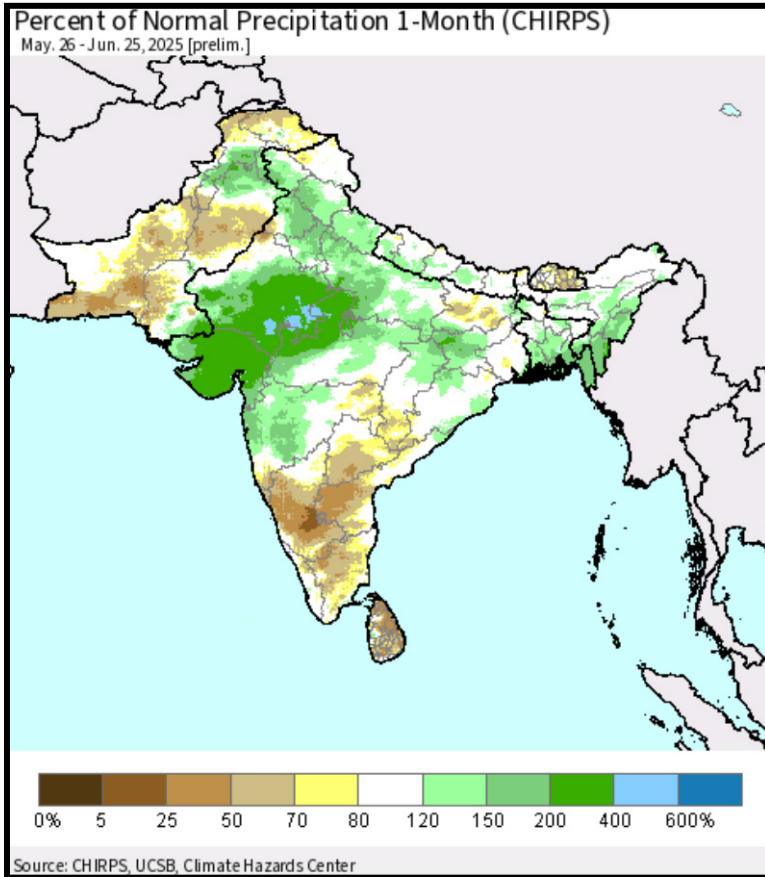
Bangladesh and the Eastern States, Jharkhand, Odisha, Madhya Pradesh, eastern Maharashtra, Uttarakhand, Himachal Pradesh, Gujarat, Kerala, coastal Karnataka, and eastern Rajasthan received some of the most significant rain in India during the past week. Moisture totals for the seven-day period ending this morning ranged from 1.30 to 5.00 inches with local amounts up to 7.40 inches. Most other production areas received 0.50 to 3.70 inches of rain, though southern Andhra Pradesh, interior Karnataka, and portions of Tamil Nadu were dry or did not receive enough rain to counter evaporation.



Southern India and portions of eastern Maharashtra, southern Chhattisgarh, and Bihar were drier than usual for the 30-day period ending June 25. Several areas in Karnataka, southern Andhra Pradesh, and western Tamil Nadu received less than 50% of

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normal rainfall during this time. The remaining locations in India received near to above



normal rainfall with portions of Gujarat, Rajasthan and northwestern Madhya Pradesh receiving more than 200% of normal precipitation.

Soil moisture remains short to very short for southern Andhra Pradesh, interior Karnataka, and portions of Tamil Nadu due to the lack of rain and warm to hot weather in recent weeks. Other locations have adequate to excessive soil moisture. Minor flooding likely occurred in the wettest locations, though precipitation was likely spread out enough over time to limit severe flooding.

Ongoing moisture shortages in southern India continue to promote less than favorable to poor establishment and growth for

the early-planted crops. Long-term production potentials are less than favorable barring a significant rain event in the near future.

The remaining production areas in India have enough moisture to support aggressive establishment and early-season growth. Planting may have been sluggish in the wettest locations in recent days and a period of drier weather would be welcome. Long-term production potentials are otherwise favorable due to the waves of rain so far this season.

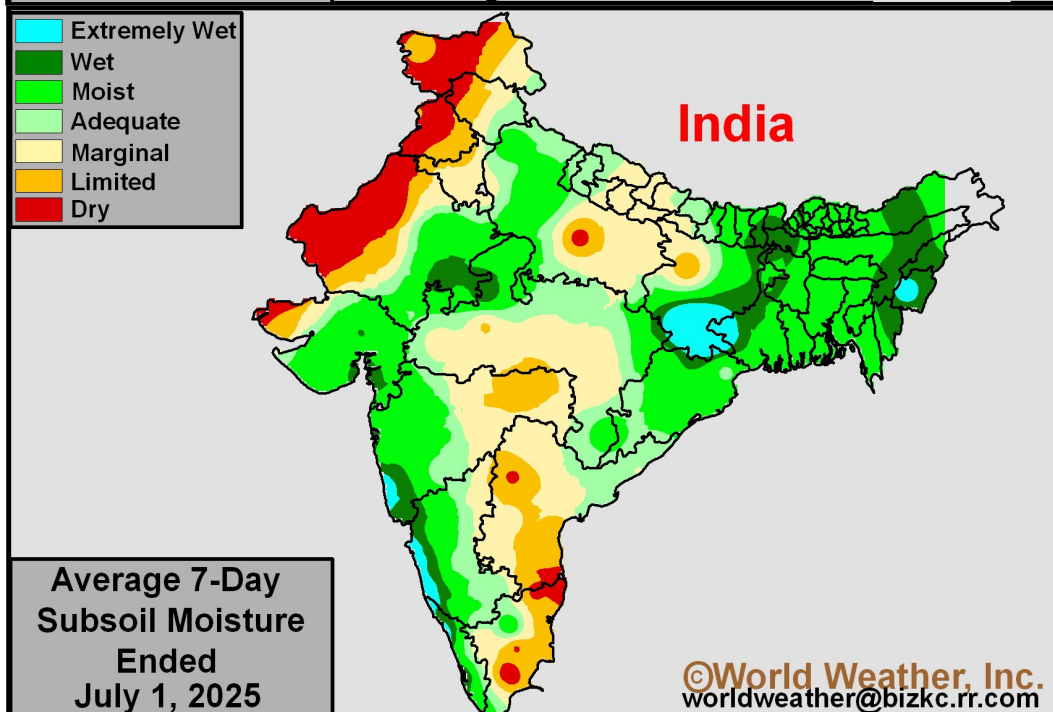
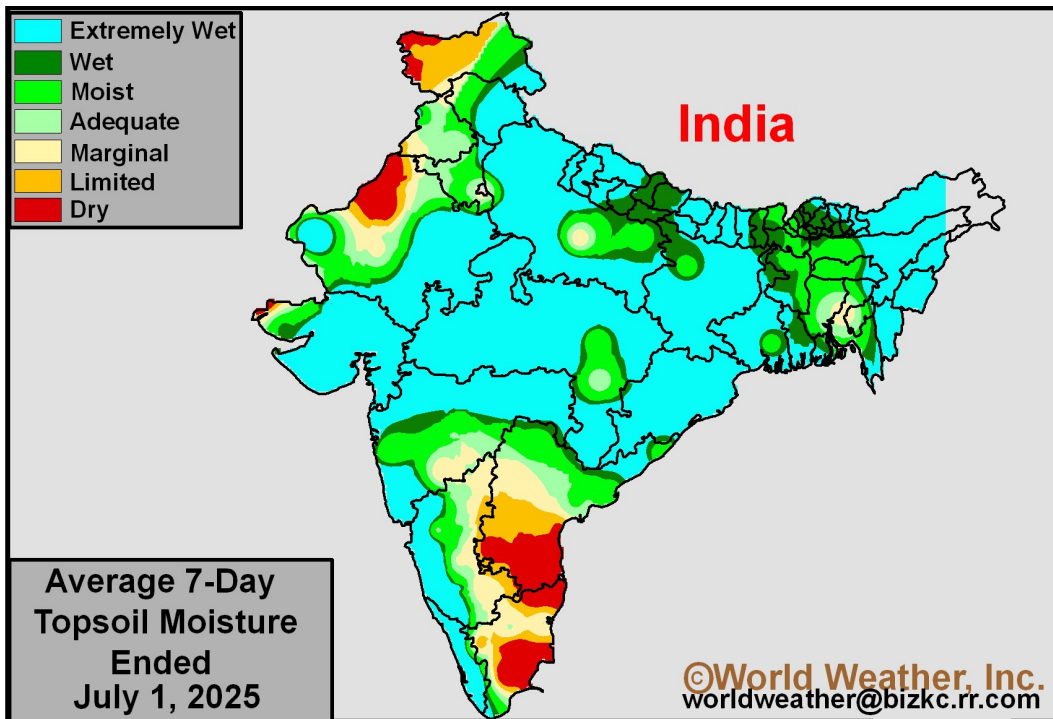
WEATHER OUTLOOK

Drier-than-normal weather will prevail for much of southern India into southern fringes of Telangana and Maharashtra during the coming week. Kerala and coastal Karnataka will still see several waves of rain with totals ranging from 0.75 to 4.00 inches and locally greater amounts by next Tuesday morning. Other locations will either be dry or not receive enough rain to counter evaporation. These areas will potentially remain drier biased July 9 – 15 as well. Aggressive drying will continue for much of southern India outside Kerala and coastal Karnataka through mid-July. The environment will remain less than favorable to poor for the early-planted corn, peanuts, rice, sorghum, sunseed, and other crops produced in the region.

Monsoonal rain will persist for the remaining production areas in India on a frequent basis during the coming week. Some of the most widespread and significant rain

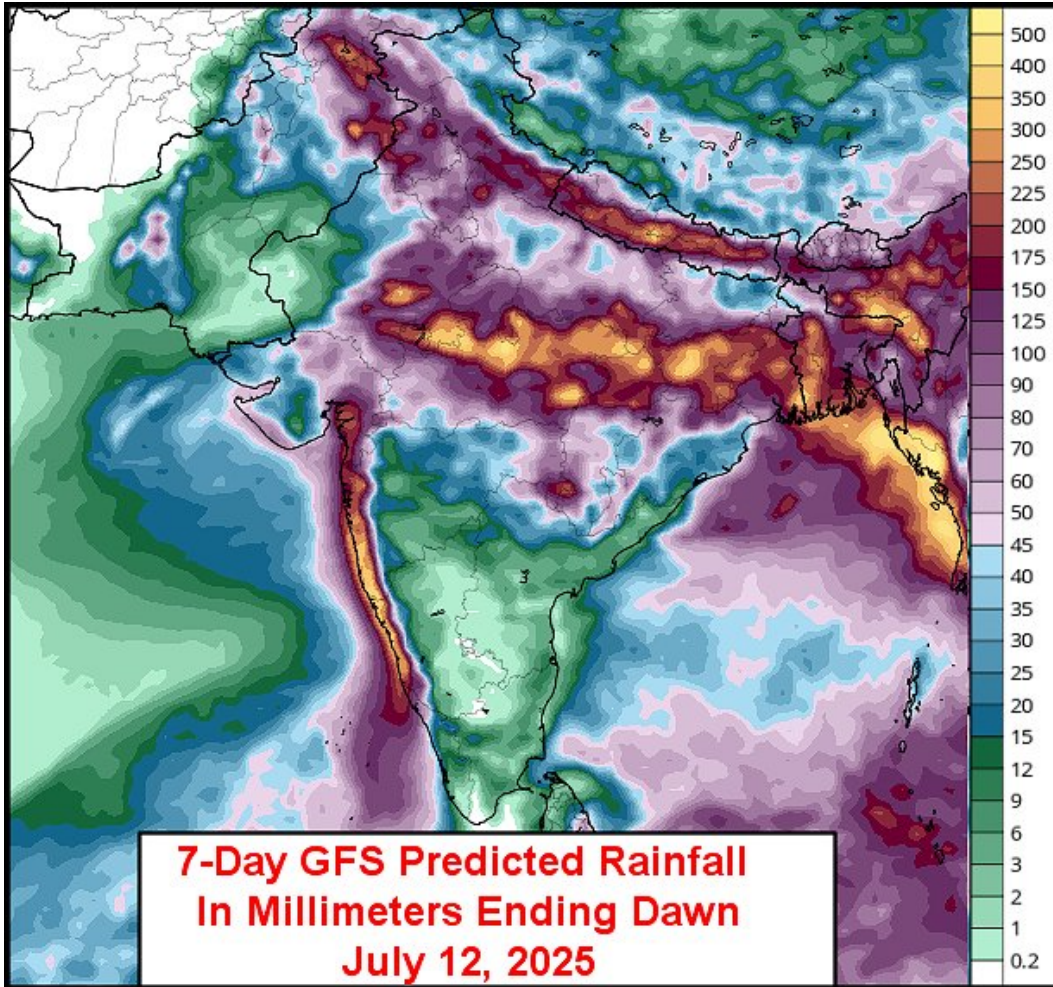
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will occur through Saturday as a weak monsoonal disturbance advances over the country. Moisture totals by next Tuesday morning will range from 1.50 to 5.00 inches with a few exceptions. Pockets from Bangladesh, the Eastern States, and Jharkhand through Madhya Pradesh, Uttar Pradesh, and eastern Rajasthan into northern India will receive 8.00 inches or more of rain. Portions of western Rajasthan will also only receive 0.25 to 1.50 inches of rain. Western India may then drier than usual July 9 – 15 while monsoonal rain persists for eastern, central, and northern India.



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The ground will be saturated in much of eastern, central, and northern India in the coming weeks due to the additional rain. Localized flooding will be a concern and may delay planting and general fieldwork. Recently planted crops may need to be reseeded as well if flooding is severe enough. Long-term production potentials will otherwise remain favorable. Western India will generally have enough moisture to support aggressive establishment and early-season growth outside portions of western Rajasthan.



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