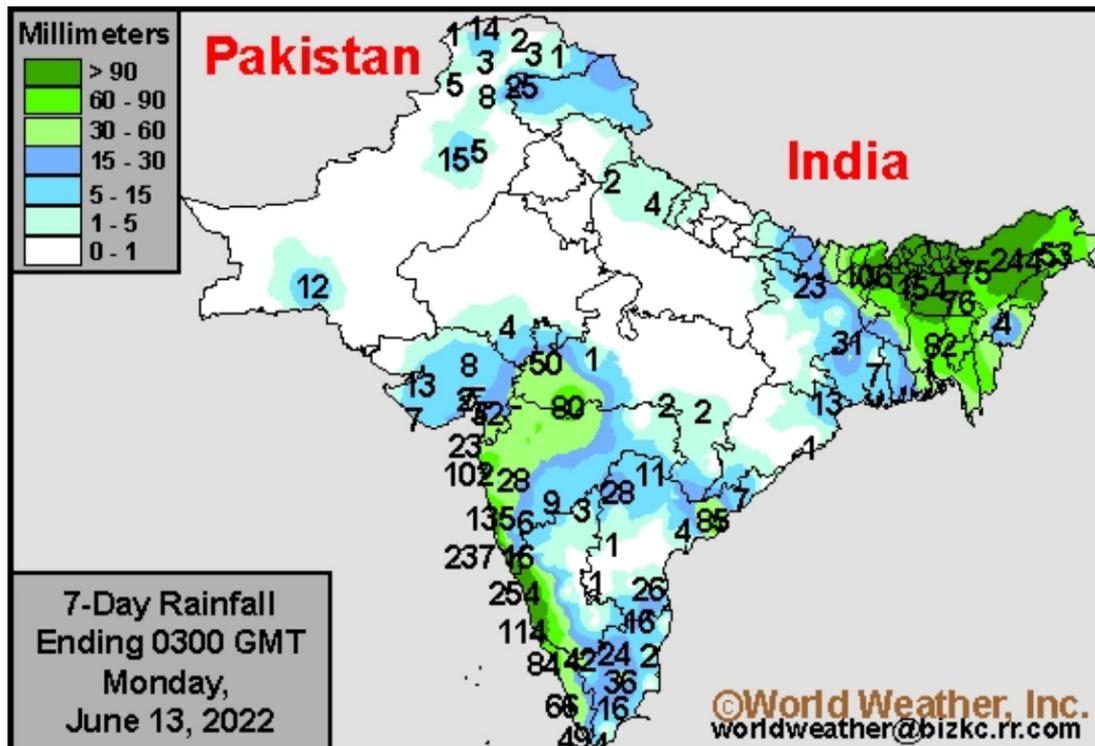


Indian Monsoon Starts Poorly, But Will Improve

By Andrew Owen

Kansas City, June 15 (World Weather Inc.) – Monsoonal rainfall through the first half of June has been well below average in most of the nation, but slow starts to the monsoon season are not bad omens for the entire rainy season. Rainfall is expected to remain below average for a little while longer, but a boost in precipitation is expected next week that should last into the final days of this month. The moisture will be extremely helpful in raising topsoil moisture for improved summer grain, oilseed, rice and cotton planting which may not be advancing very swiftly in some areas because of the poor start to the rainy season.

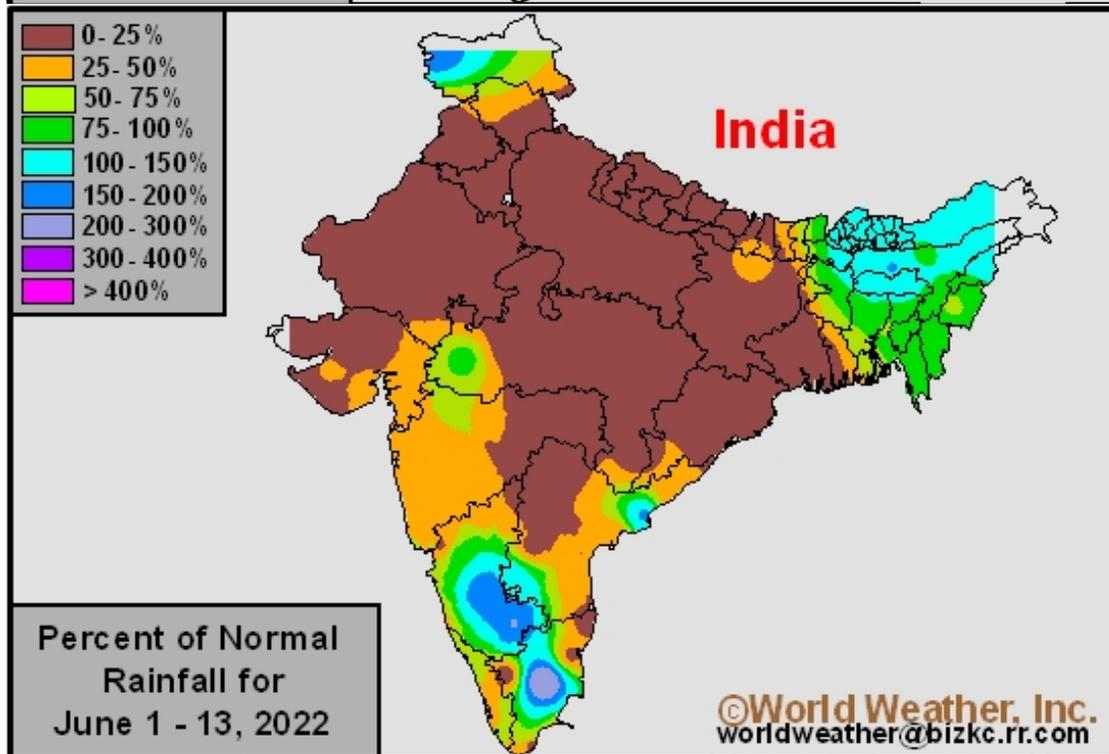
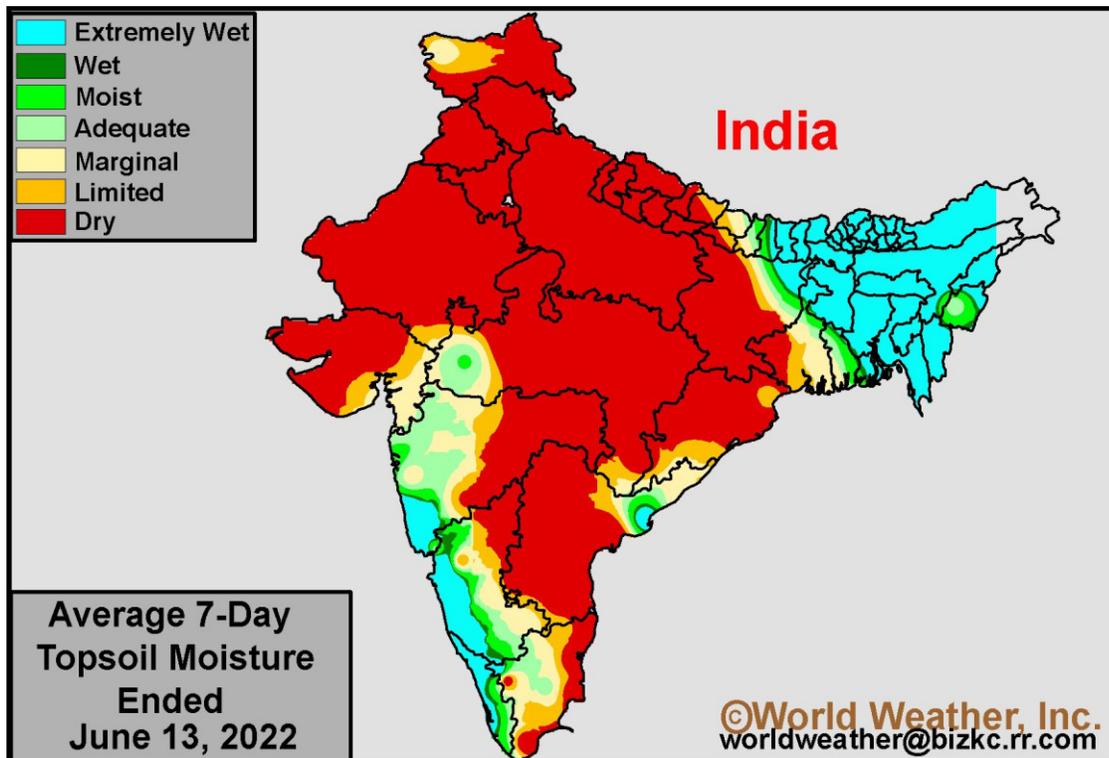
Rainfall during the week ending Monday was greatest along the west coast and in the far eastern parts of the nation. Moisture totals ranged anywhere from 0.91 to 10.00 inches. Excessive rainfall was mostly confined to areas from northern Bangladesh into the far Eastern States and in a few locations along the central west coast where more than 10.00 inches resulted. In contrast, most interior southern and central parts of the nation reported less than 2.00 inches of moisture with many areas getting no more than 0.62 inch. One location in northern Maharashtra near the Madhya Pradesh border reported 3.16 inches. Most of the rainfall reported was not enough to counter evaporation leaving the ground too dry for optimum germination and emergence conditions.



Bangladesh and the Eastern States, along with Kerala and coastal locations of Karnataka and Maharashtra, have adequate to excessive topsoil moisture due to recent rainfall. Many areas in western Maharashtra, western Madhya Pradesh and northeastern

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Andhra Pradesh also received enough rain to bring topsoil moisture to adequate or marginally adequate levels. The remaining locations in India remain too dry to support much planting and especially too dry for seed germination and plant emergence.



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Planting has already begun in portions of India despite the drier than usual start to the month. *The rain that has fallen has not been enough to eliminate moisture deficits and there is still a huge need for greater rain. More widespread planting is expected later this month once monsoonal precipitation intensifies and spreads to central and western India. Until then, producers may wait for significant rainfall before putting a significant amount of seed into the ground.*

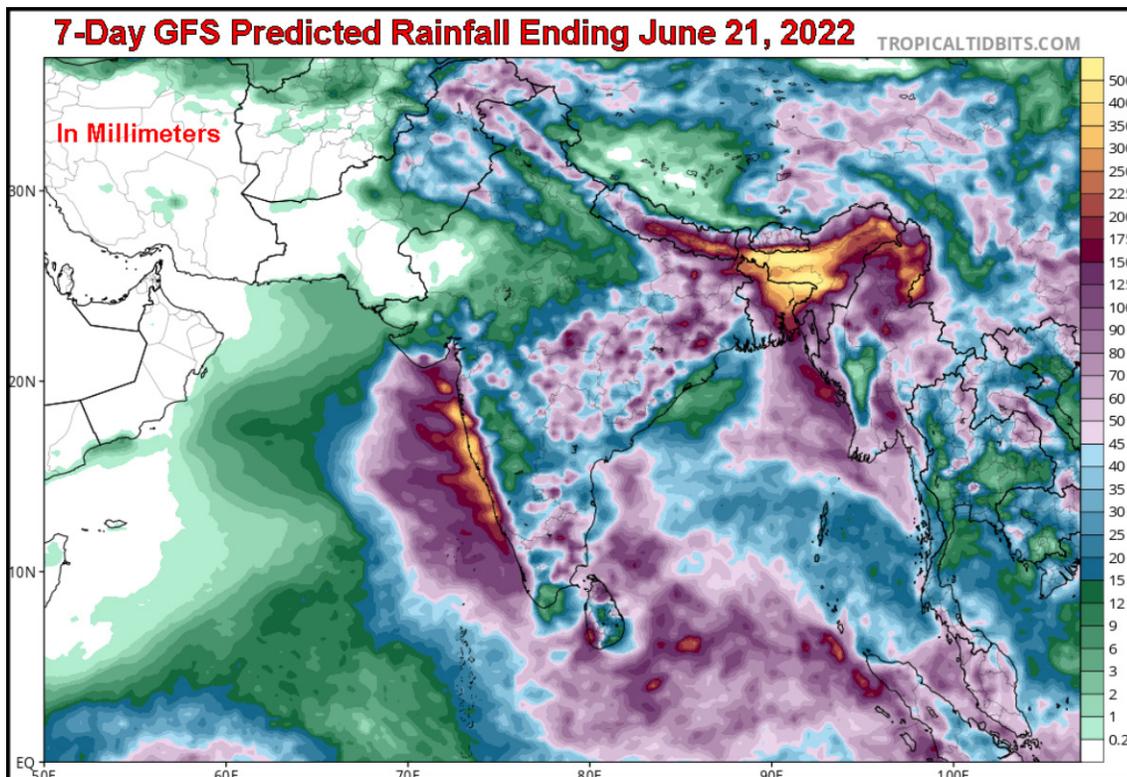
In the meantime, flooding may have impacted a few areas along the central west coast and especially from northern and eastern Bangladesh into the Eastern States. None of the heavy rain or resulting flooding was suspected of seriously harming agriculture.

SUBDIVISION-WISE RAINFALL DISTRIBUTION										
S NO	MET. SUBDIVISION/UT/STATE/DISTRICT	Day:14-06-2022				Period:01-06-2022 To 14-06-2022				
		ACTUAL (mm)	NORMAL (mm)	%DEP.	CAT.	ACTUAL (mm)	NORMAL (mm)	% DEP.	CAT.	
	REGION : EAST AND NORTH EAST INDIA	13.6	11.2	22%		129.2	124.5	4%		
1	ARUNACHAL PRADESH	12.1	14.4	-16%	N	193.8	177.8	9%	N	
2	ASSAM & MEGHALAYA	36.2	18.5	96%	LE	300.4	202.2	49%	E	
3	N M T	16.6	11.8	41%	E	93.9	157.2	-40%	D	
4	SHWB & SIKKIM	36.5	17.7	106%	LE	258.8	176.9	46%	E	
5	GANGETIC WEST BENGAL	0.9	8.4	-89%	LD	40.7	81.6	-50%	D	
6	JHARKHAND	1.3	5.7	-77%	LD	13.7	49.1	-72%	LD	
7	BIHAR	1.0	4.5	-78%	LD	35.1	47.2	-26%	D	
	REGION : NORTH WEST INDIA	2.0	2.0	0%		5.6	23.3	-76%		
1	EAST UTTAR PRADESH	0.0	2.0	-98%	LD	0.6	25.5	-98%	LD	
2	WEST UTTAR PRADESH	0.0	1.2	-100%	NR	0.1	18.1	-99%	LD	
3	UTTARAKHAND	0.6	4.5	-87%	LD	10.3	53.7	-81%	LD	
4	HAR. CHD & DELHI	0.0	1.6	-99%	LD	0.4	15.9	-98%	LD	
5	PUNJAB	0.0	2.1	-100%	NR	0.1	16.2	-99%	LD	
6	HIMACHAL PRADESH	0.0	2.9	-100%	NR	3.2	36.1	-91%	LD	
7	JAMMU & KASHMIR AND LADAKH	0.1	2.2	-98%	LD	9.5	29.8	-68%	LD	
8	WEST RAJASTHAN	7.5	1.3	476%	LE	7.8	13.0	-40%	D	
9	EAST RAJASTHAN	3.4	1.8	92%	LE	8.0	17.6	-54%	D	
	REGION : CENTRAL INDIA	2.7	6.0	-56%		16.4	46.4	-65%		
1	ODISHA	0.0	10.5	-99%	LD	14.0	66.6	-79%	LD	
2	WEST MADHYA PRADESH	2.0	3.2	-38%	D	11.3	28.1	-60%	LD	
3	EAST MADHYA PRADESH	1.0	2.4	-60%	LD	1.9	27.2	-93%	LD	
4	GUJARAT REGION	6.7	3.1	116%	LE	14.2	29.3	-52%	D	
5	SAURASHTRA & KUTCH	6.6	2.6	155%	LE	11.2	21.2	-47%	D	
6	KONKAN & GOA	5.2	21.2	-75%	LD	99.1	207.1	-52%	D	
7	MADHYA MAHARASHTRA	3.0	4.5	-33%	D	28.5	57.6	-51%	D	
8	MARATHWADA	7.1	5.1	39%	E	40.4	53.7	-25%	D	
9	VIDARBHA	0.6	9.3	-94%	LD	12.3	47.4	-74%	LD	
10	CHHATTISGARH	0.9	7.5	-88%	LD	6.1	42.1	-85%	LD	
	REGION : SOUTH PENINSULA	2.2	6.7	-68%		39.9	68.7	-42%		
1	A & N ISLAND	1.6	13.3	-88%	LD	151.4	209.6	-28%	D	
2	COASTAL AP and YANAM	0.4	4.7	-91%	LD	21.0	45.9	-54%	D	
3	TELANGANA	5.4	5.1	5%	N	22.8	49.2	-54%	D	
4	RAYALASEEMA	0.3	4.2	-92%	LD	29.9	39.1	-24%	D	
5	TN PUDU and KARAİKAL	0.8	2.3	-66%	LD	22.7	27.4	-17%	N	
6	COASTAL KARNATAKA	9.2	34.2	-73%	LD	130.6	307.2	-57%	D	
7	N. I. KARNATAKA	0.7	3.7	-81%	LD	39.9	50.1	-20%	D	
8	S. I. KARNATAKA	0.7	6.1	-89%	LD	51.4	62.5	-18%	N	
9	KERALA & MAHE	8.2	28.7	-72%	LD	116.8	280.5	-58%	D	
10	LAKSHADWEEP	4.7	11.8	-60%	LD	115.3	175.3	-34%	D	
	COUNTRY :	4.1	5.7	-28%		35.7	56.1	-36%		

CATEGORY	Day:14-06-2022		Period:01-06-2022 To 14-06-2022	
	NO.OF SUBDIVISIONS	SUBDIVISIONAL %AREA OF COUNTRY	NO.OF SUBDIVISIONS	SUBDIVISIONAL %AREA OF COUNTRY
LE	6	20%	0	0%
E	2	4%	2	4%
N	2	6%	3	9%
D	2	9%	18	43%
LD	21	55%	13	44%
NR	3	6%	0	0%

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Monsoonal rain will gradually spread from southern into much of central and eastern India this week. Many areas in central and northern Karnataka may not receive enough rain to counter evaporation. Rainfall in most other locations will range from 0.75 to 5.00 inches most often with local amounts of 7.00 inches or more from Tamil Nadu and Andhra Pradesh into Odisha, Chhattisgarh, Jharkhand, and neighboring areas. Soil moisture will slowly increase for these locations, though additional rain will likely be needed to completely fix the moisture deficits. Planting will likely advance swiftly around the periods of rain. Establishment and development conditions will slowly improve as well.



Bangladesh and the Eastern States will remain in a wet weather bias this week. Rain totals by next Monday morning will range from 5.00 to 10.00 inches with local amounts of 15.00 inches or more expected. Severe flooding will be possible with some damage to rice and other crops likely. Recently planted crops may need to be reseeded as well.

Interior western and northern India will generally be drier biased in this coming week. Light rain will still be scattered across these areas infrequently with some of the most widespread rain this weekend. Portions of Punjab and neighboring areas will receive 0.75 to 2.00 inches of rain by next Wednesday morning. The remaining locations will not receive enough rain to counter evaporation or impact long-term soil conditions. Some planting may occur immediately after precipitation falls and additional rain in the June 23-29 period will be sufficient to bolster soil moisture for additional planting and improved establishment.

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