

DAILY DART

WSP USA INSPECTION SERVICES DISASTER AWARENESS REPORT

May 13, 2022

Atlantic - Tropical Outlook

- Meteorologists in the AccuWeather forecasting department are on alert for the possibility that a pre-season tropical system could form later this month either over the northwest Caribbean Sea or southern Gulf of Mexico.
- From May 20-25, conditions may become favorable to support tropical formation, AccuWeather Lead Long-Range Meteorologist Paul Pastelok said, noting that one or two disturbances could travel across the Caribbean and may track northward toward the southern Gulf of Mexico.
- The key conditions that could set the stage for what could be the first named storm of the season are minimal amounts of wind shear and high ocean water temperatures.
- "Wind shear is forecast to be relatively low in this zone past the middle of May and, from a climatological standpoint, the Caribbean to the southern Gulf is a prime area to watch for tropical development into June," Pastelok said.
- When wind shear, the sudden increase in wind speed or change in direction of breezes, is low, waters are warm and plenty of moisture is available, a weak low-pressure area has a greater chance to evolve than if wind shear is high, dry air is present and waters are cool.
- "Waters in this stretch from the Caribbean to the southern Gulf are some of the warmest in the entire basin and are up to a few degrees above average," AccuWeather Meteorologist Brandon Buckingham said.
- Atlantic hurricane season officially begins on June 1, though a named storm has formed in the Atlantic basin during each of the last seven consecutive years, a trend that is one of the factors that prompted officials at the National Hurricane Center to consider moving up the official start of Atlantic hurricane season. Last year, Tropical Storm Ana formed on May 22, 2021.
- The first name on deck for the 2022 Atlantic hurricane season is Alex and any storm that forms over the northwest Caribbean or southern Gulf would be assigned that name.



East Pacific Hurricane Season Outlook

- AccuWeather long-range forecasters, led by Dan Kottlowski, are predicting a normal to above-normal hurricane season in the East Pacific, but they say the basin is likely to produce mostly weak storms and less favorable conditions will make it less likely that major hurricanes will develop.
- The 2021 East Pacific Basin churned out 19 named storms, only eight of which organized and strengthened into hurricanes, and the outlook for the 2022 season points toward a close repeat in terms of numbers.

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- For the 2022 season, AccuWeather forecasters are predicting another 15 to 19 named storms with the possibility of six to eight hurricanes.
- With the East Pacific basin's hurricane season starting on May 15 and the Central Pacific basin season following 16 days later, forecasters are predicting that the conditions presented by the La Niña pattern will keep a lid on the number of major hurricanes that may develop in the two basins, unlike what forecasters are expecting in the Atlantic basin.
- The El Niño-Southern Oscillation (ENSO) cycle plays a crucial role in the hurricane season, ushering in warmer waters during El Niño years and promoting colder waters in the Pacific during the La Niña phase.
- With this season set up as a rare "triple-dip" La Niña, the Southwest and Latin American coastlines can expect to have similar conditions, regarding the Pacific basin hurricane season, as the 2020 and 2021 seasons.

EAST PACIFIC HURRICANE SEASON				
2022				
	Named Storms	Hurricanes	Major Hurricanes	Direct Mexican Impacts
2021	19	8	2	6
2022 Forecast	15-19	6-8	2-4	2-4
Normal	15	8	4	2-3

Joint Preliminary Damage Assessments

State	Event	Number of Counties for IA		Start-End
		Requested	Completed	
MCN*	Severe Storm & Flooding May 4 th & continuing	1	0	5/16-TBD
OK	Severe Storm & Flooding May 4 th & continuing	2	0	5/16-TBD

*MCN – Muscogee (Creek) Nation

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Pending Individual Assistance Declaration Request

State	Event	Date Submitted	Approved/Denied /Pending	Number of Counties/Tribes
MS	Severe Storms, Straight-Line Winds & Tornadoes March 22, 2022	4/28/2022	Pending	4 Counties
MS	Severe Storms, Straight-Line Winds & Tornadoes March 30, 2022	4/29/2022	Pending	8 Counties

WSP USA INSPECTION SERVICES ACTIVITY

