

## **WEATHER – SPRING-SUMMER CYCLE FOLLOW-UP AUGUST 5, 2021 WITH DATA FROM THE NATIONAL WATER COMMISSION MEXICO - CONAGUA**

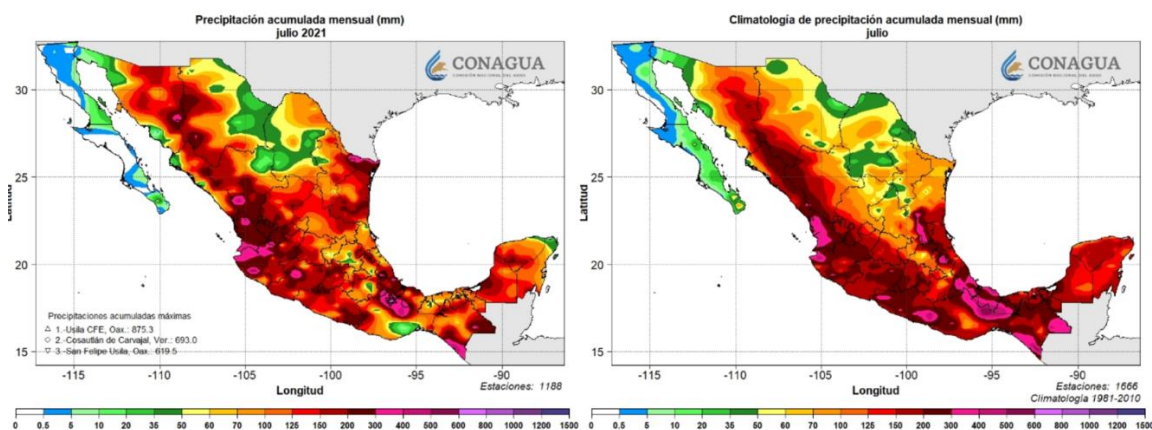
### **National Situation**

On the first week of August 2021, precipitations continue is all of Mexican territory, reversing the drought in 90% of the nation dark red-orange-pink areas. At this moment, and as it can be seen in the pictures below, only the Baja region -light blue-green on the west coast and part of the state of Nuevo Leon -yellow-green- in the northeast, are still suffering some drought, and the government is cloud seeding states in the region including Sinaloa, Sonora and Chihuahua.

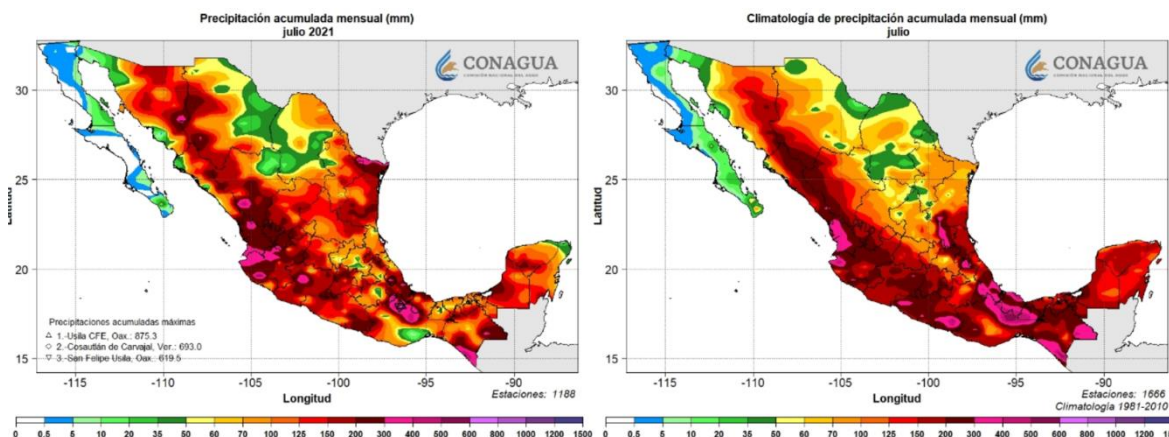
Average accumulated precipitations in the January-April period were very low at 0.502 ri. In May, precipitations increased reaching 2.02 ri, jumping to 5.41 in June and 5.07 in July, above the average.

**Drought Impact on commodity crops in Mexico.** Until the month of May, when precipitations had not arrived in Mexico, and a severe drought was developing in most of Mexico, dams in the country were at average levels of 33%, down from the already low levels of 55% in 2020, damaging irrigated crops including grains, fruits and produce in the northwestern states and central Mexico. Rain fed crops, that are planted year-round in all of Mexico such as corn, dry beans, wheat, as well as feed crops, some were not even planted due to the low soil humidity, or were under a lot of stress, causing a reduction in the production. The situation turns more complicated with the international commodity prices increasing, and as an example, Mexico's government is at this point, considering the possibility of opening import quotas for important basic grains such as corn, to import from any country in the world that has competitive prices in order to lower the price of tortillas. **Until now, the arrival of the raining season, is expected to improve the basic grains' production forecast in the next months if it continues to develop positively as is now.**

**Accumulated precipitations received in July, 2021, reached 5.07 ri:**

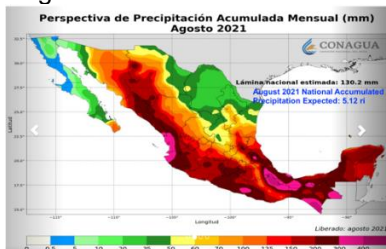


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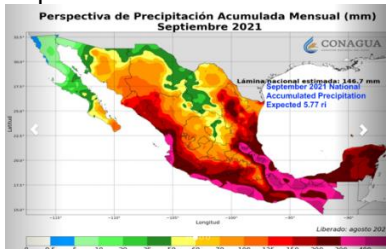


The perspective for the next three months, is positive in terms of precipitations. CONAGUA expects that in the three months, Mexico will receive precipitations slightly below average in August with 5.12 ri; above average in September with 5.77 ri; and in October, average precipitations with an important reduction down to 2.77 ri vs. the previous months.

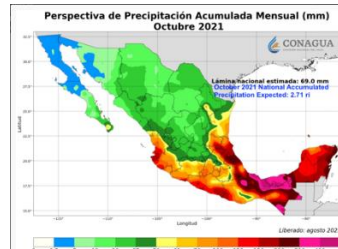
## August 2021 Forecast



## September 2021 Forecast



## October 2021 Forecast



## Weather for 2021 Spring Summer Season Beans and other crops

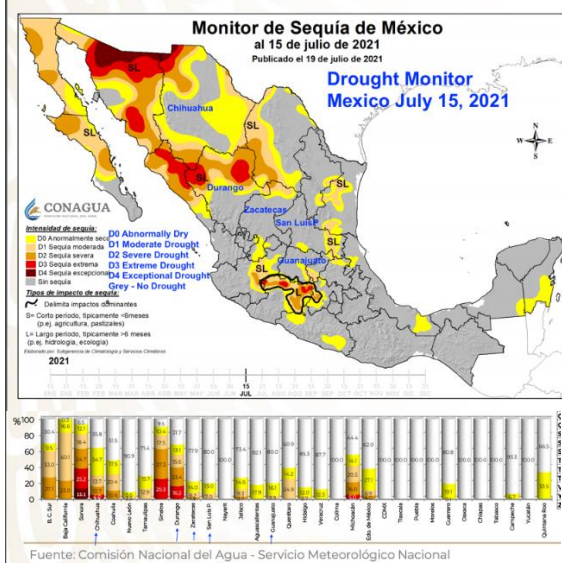
On July 15, 2021, CONAGUA reported that in the first half of July, the northwest, northeast, central and western regions of Mexico started receiving precipitations above the average, associated with the North American Monsoon, the passing of 6 tropical waves and humidity coming from the Pacific Ocean, Gulf of Mexico and the Caribbean Sea, favoring the reduction of the drought in the states of Chihuahua, Durango, Zacatecas, San Luis Potosi, 4, of the 5 bean states we follow in this season, as well as other states in the north.

The drought situation has been practically reversed with these events, **changing the scenario from a developing severe drought to a very wet situation especially in Durango and Zacatecas.** Thus, as you can see in the figures below, most states are now drought-free in the July picture below.

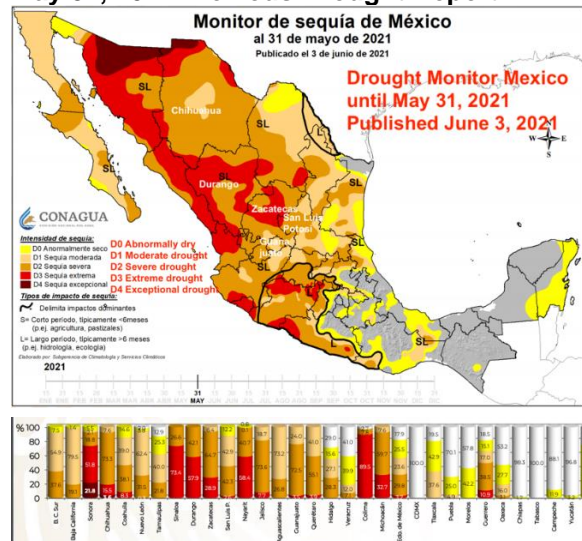
Nevertheless, in the case of beans, precipitations arrived a little late and in excess, taking a good cut of the recommended dates to plant, especially black beans. Some bean areas in Zacatecas and Durango, are still in doubt due to flooding. As usual, the areas where beans are usually planted, will convert to other grain crops such as barley and oats.

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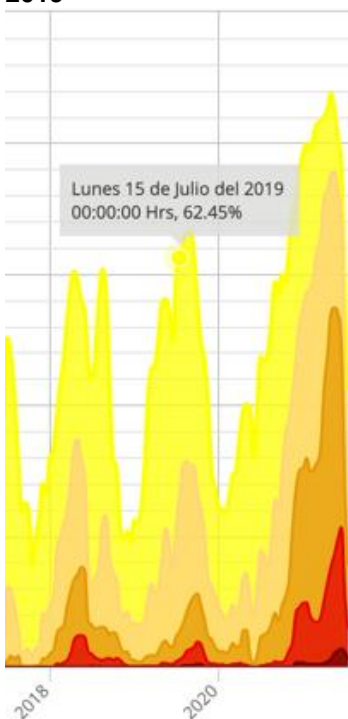
## July 15, 2021 Drought Report



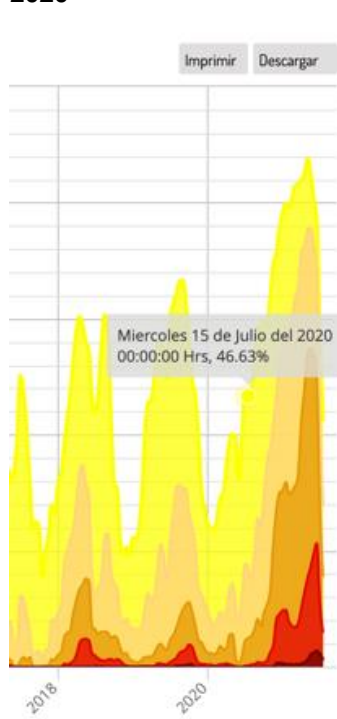
## May 31, 2021 Previous Drought Report



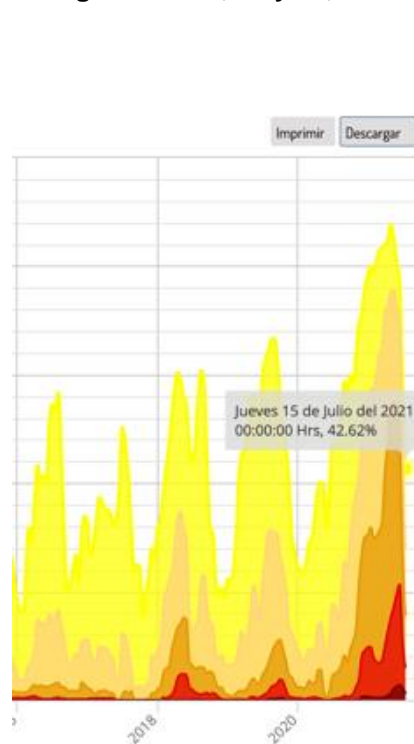
**Drought 62.45%, July 15, 2019**



**Drought 46.63%, July 15, 2020**



**Drought % 42.62, July 15, 2021**





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## Accumulated Precipitations

ACCUMULATED PRECIPITATIONS 2021 SPRING-SUMMER SEASON			
SS-Bean State	May	June	July
Zacatecas	0.66	3.85	5.83
Durango	0.28	2.76	5.16
Chihuahua	0.26	2.42	4.96
Guanajuato	2.4	5.4	5.85
San Luis Potosi	2.16	4.58	4.85

The following picture shows the precipitation received in June in all of Mexico. By state in the five bean states, the numbers are:

**June 2021, accumulated national precipitations: 5.41 ri**

**June Climatology**

