

**ICAR - Central Research Institute for Dryland Agriculture
Hyderabad, Telangana**

**Reply to the Lok Sabha admitted unstarred question. No. 3808 due for reply on
19.07.2019 regarding " Effects of climate change on crops and vegetables"**

a) Whether there is any reduction in the amount of rainfall received in the seven Northeastern states of India, Arunachal Pradesh, Nagaland, Manipur, Meghalaya, Assam, Tripura and Mizoram during each of the last five years from 2014-15.

Ans. The Southwest Monsoon rainfall data analyzed by AICRPAM for the Northeastern states showed continuous reduction in monsoon rainfall in all the six years from 2014 to 2019 in the states of Assam, Nagaland and Manipur (Table-1).

Table 1: Deviation of Southwest Monsoon rainfall from normal over the 7 states from 2014 to 2019

State	2014	2015	2016	2017	2018	2019 *
Arunachal Pradesh	-1	0	-5	-10	-32	2
Assam	-6	-3	-22	-3	-18	-2
Meghalaya	4	3	-29	15	-41	3
Nagaland	-22	-37	-26	-18	-13	-28
Manipur	-49	-36	-10	-33	-54	-57
Mizoram	-2	7	-14	74	13	22
Tripura	-2	0	-20	29	-22	14
Sikkim	7	10	1	11	19	23

Source of data: IMD

Answers for questions b, c and are not available with us.