

# SARDAR VALLABH BHAI PATEL UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

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Sardar Vallabh Bhai Patel University of Agriculture and Technology established as a full-fledged University has unique honour of being called “First Agriculture University of the third millennium and the 21 st century“. It is committed to a unique mandate of integrating education research and extension so as to serve the rural people.. The University was established on 2<sup>nd</sup>October 2000 under Uttar Pradesh Agriculture University Act (revised) 1958 gazette and notified vide 3204A/X12-8-2000. It was inaugurated on 28 th March 2002 by the Honorable Chief Minister of Uttar Pradesh. It is recognized and funded by U.P. Govt. & ICAR, Govt. of India. It is included in the list of recognized Universities maintained by the University Grants Commission (UGC), Govt. of India. The U.P Government has given the responsibility of all around development of the agriculture and rural community in its four divisions i.e Saharanpur, Meerut , Moradabad and Bareilly which consists of 15 districts i.e Saharanpur ,Muzaffarngar ,Meerut ,Gautam Buddha Nagar ,Ghaziabad , Bulandshahr, Baghpat, Bijnor, Jyotiba Phule Nagar, Moradabad, Rampur, Bareilly, Pilibhit, Baduan and Shahjahanpur. The state of U.P has 09 agro-climatic zones in which 03 fall under the Jurisdiction of this University. Tarai zone comprises the central part of Saharanpur district northern portion of Bijnor. Moradabad, Rampur, Bareilly, Pilibhit and Shahjahanpur. Tarai has a dry season from early October to mid June and a wet season from mid June to early October. Temperature is highest in May – June i.e. 38.4<sup>o</sup>C and the lowest in December-January i.e. 4.3<sup>o</sup>C . Relative humidity is the highest in July-August i.e 81.7% and the lowest in May i.e 39% . The average rainfall is 1400 mm . Soils of Tarai zone are alluvial in nature, low to medium to high in potassium and high in organic matter. The main crops of the area are wheat, rice, and sugarcane. Lentil is the major pulse while rapeseed and mustard are the principal oil seed crops. Potato, tomato, Cole crops, vegetable pea and cucurbits are major vegetables and mango, litchi, papaya, guava are the major fruits in this zone. The zone includes districts viz Muzaffarnagar, Meerut, Baghpat, Ghaziabad, Gautam Budh Nagar, Bulandshahr and part of Saharanpur located between the Ganga and the Yamuna ranges from 32 to 85% and the temperature ranges from 1.5<sup>o</sup>C to 43.3<sup>o</sup>C . Rice-wheat –sugarcane based cropping system is prevalent in the zone. The principal crops of this region is rice, wheat, sugarcane, maize, bajara, black gram, red gram, green gram, ground nut, mustard, rapeseed and mustard. Potato, onion, tomato, pea, Cole crops and chilies are the major vegetables and mango, litchi, grape, guava and papaya are the major fruits crops cultivated in this zone. In addition, commercial flowers cultivation is also practised in this zone. This region consists of the districts of Baduan, Shahjahanpur, Jyotiba Phule Nagar and parts of Moradabad, Rampur, Bareilly and Pilibhit. Rainfall in this region is received during mid June to mid October. Annual rainfall is 1032mm and temprature range from 4.5<sup>o</sup>C to 45.4<sup>o</sup>C.The soil of this region is mostly alluvial and have developed on alluvial deposited by Ganga and its tributaries