

## PROGRAM

### **Decision Support System for Agro-Technology Transfer (DSSAT) Workshop from 8-9 January , 2019 at NARC, Islamabad**

<b>Hour</b>	<b>Activity</b>	<b>Responsibility</b>
<b>Day-1: 8 January, 2019</b>		
09:00	Welcome; Introduction of Participants and Resource Persons	Dr. Bashir Ahmad, NARC
09:20	Goals and Objectives of DSSAT Training Workshop	Prof. Dr. Ashfaq Ahmad
09:40	History and overview of Decision Support System for Agro-technology Transfer (DSSAT)	Dr. Syed Aftab Wajid
10:30	Installation of DSSAT V4.6.1/4.7 and Description of DSSAT Accessories and tools	Dr. Ishfaq Ahmad/ Dr. Refat Sultana
11:00	<b>Tea Break</b>	
11:30	Minimum input dataset for model operation	Dr. Syed Aftab Wajid
12:00	Exercise: generation of management (X) with given data	Dr. Ishfaq Ahmad
01:00	<b>Lunch &amp; Prayer Break</b>	
02:00	Exercise: Generation of weather (W) builds with given data set	Dr. Syed Aftab Wajid
02:30	Exercise: Generation of Soil (S) builds with given data set	Dr. Ishfaq Ahmad
03:00	<b>Tea Break</b>	
03:15	Exercise: Generation of A and T files with given data	Dr. Syed Aftab Wajid
03:45	Exercise: Addition of local cultivar in genotype file	Dr. Ishfaq Ahmad
04:00	<b>Adjourn</b>	

<b>Day-2: 9 January, 2019</b>		
09:00	Concept of Genetic coefficient and model parameterization	Dr. Syed Aftab Wajid
10:00	Exercise: Calibration and Evaluation of model	Dr. Refat Sultana
11:00	<b>Tea Break</b>	
11:30	Self-exercise: calibration and evaluation of model	Team
11:45	Seasonal Analysis: How to construct Seasonal File	Dr. Syed Aftab Wajid
12:15	Climate Change Impact Assessment: A Case Study of AgMIP	Prof. Dr. Ashfaq Ahmad
01:00	<b>Lunch &amp; Prayer Break</b>	
02:00	Use of spectral reflectance indices to assess yield of wheat genotypes at varying nitrogen levels under Faisalabad conditions	Dr. Refat Sultana
02:30	Exercise: Climate change impacts by Environmental Modification	Dr. Syed Aftab Wajid
03:00	<b>Tea Break</b>	
03:15	Exercise: Climate change impacts assessments using General circulation model	Dr. Syed Aftab Wajid/ Dr. Syed Aftab Wajid
03:45	Concluding remarks/Certificate distribution	Dr. Bashir Ahmad & Prof. Ashfaq Ahmad
04:15	<b>Adjourn</b>	