



**Technology Name** : IIRSTAT- A Statistical Analysis Software for RBD and Split plot Designs

There are many statistical packages available in the market. Arrangement of experimental data to the packages and getting the reports in the required formats are time consuming. A need was felt to develop statistical package to overcome this difficulty by designing the input and report interfaces as per the required format of the Institute. IIRSTAT – a web based statistical package has been developed to analyse the Random Block and Split plot experimental designs and generate reports along with CD, CV and statistical significance in excel format. This software is upgraded version of standalone software DRRSTAT developed during 2004 for RBD and SPLIT plot designs. Many of our scientists and students have been using this package for the statistical analysis since 2004. Standalone version i.e. DRRSTAT requires MS ACCESS package and need of installation of software. IIRSTAT can be accessed directly through WWW with user registration. It is hosted at the URL <http://14.139.94.107:8084/>. All the features available in DRRSTAT were

covered in IRRSTAT with new features like Excel Interfaces for input and output data (copy and paste data from Excel files) and generate reports to EXCEL. This program was developed using ASP.Net C# software with back end SQL Server. This is very user friendly and ease of data entry compared to the standalone version. Users can register in the site and experience the ease of analyzing the multi-location experimental data. IRRSTAT will be further upgraded with new statistical designs.

### **Brief Description of Technology Including Salient Features:**

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