

SYSTEM DOCUMENTATION

QUALITY ANALYSIS SYSTEM

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Data Insertion Process

Data insertion process is one of the main functionalities implemented in this system. Data insertion tab is given as the second item of the main menu at the top of the home page. Data insertion tab pops out a sub menu which displays a list of sub functionalities such as Data Insertion (L/M), Data Insertion (Small), Pattern Data Insertion, Arrival Patterns, Prepare Backups, View Logs.

Data Insertion (L/M)

This portal is for data insertion of large and medium fruits of gherkin at the submission of stocks at collecting stations. When inserting the data respectively date, project and vehicle number should be given first. Suggestions are given when the data is entered. 'Get TM Table' give the facility of entering details in relation to centers which the stocks are submitted from. Once the center names are given to the TM Table those centers are given as suggestions in the data fields where user needs to add centers in main data insertion (L/M) portal. The left side tab is to specify the fruit category either as large or medium. This portal is equipped with four worksheets. Each worksheet is for data entering of each subcategory of fruits. (E.g.: For Medium category 20/80, 5/20, CRS are the given sub categories) Worksheets are facilitated to enter data of the fruits that are Off Grade, Major Defects and Minor Defects

A data field is given to insert accepted fruit count at the top part of the portal. System automatically calculates the sum, percentages and the accepted/rejected status of the given stocks. Below the worksheet there are some data fields to enter Number of Crates submitted, Declared Quantity and Actual Quantity. System shows the sum percentages and reduced percentages of the Off Grades, Defects and Payable Quantities. Moreover user can enter the transport condition details by viewing transport condition table and also attach the photos of the fruit stocks received as proof. At the bottom part portal consists three buttons for data submission, resetting and printing.

Data Insertion (Small)

This portal is for data insertion of small fruits of gherkin at the submission of stocks at collecting stations. This portal is also functions in similar manner as the large and medium data insertion does, but with some minor exceptions. As same as large and medium data insertion, inserting the data on respectively date, project and vehicle number, batch number center, internal TM number should be given first. As same as in large/ medium 'Get TM Table' allows user to add the details of the Centers which the stocks are submitted from and their TM numbers. This portal is facilitated with five worksheets where user can add data in relation to the stocks from different categories in each worksheet. (E.g.: 11-14.5, 14.5-17, 17-29, 29-44, CRS are the five different fruit categories which should be added details in to on each worksheet) This portal consists of two buttons labeled as 'Show Balance Sheet' and 'Export Data to Balance sheet'. Once data is entered in to all the worksheets user must click on 'Export Data to Balance sheet' which it passes data of CRS category to balance sheet. Then user should go to show balance sheet where it toggles the balance sheet.

In the balance sheet user should give the details on each categories actual count. Declared count and the fruit count of each subcategory. System shows the total counts on each category at the bottom part of the portal with percentages of total off grades. The three buttons at the bottom are respectively for data submission, resetting data sheet and printing.

Pattern Data Insertion

In pattern data Insertion there are four main functionalities such as Enter Plan Data, Enter Revision Data, Enter Rates Data and Enter Week Rates Data. These four functionalities are given as four tabs at the top of the portal.

Enter Week Rates Data

This data has to be entered at the start of the season in relevant to each grade category by the system administrator or authorized super user. So Administrator needs to enter the season and grade category at the top of the portal. Once the number of weeks is given system displays set of data fields to enter data. (Percentage of expected crop of each week) Once data is submitted using the 'Submit Data' the data would get displayed at the table given below. That table enable user to edit the submitted percentages or to delete them.

Enter Rates Data

This portal consists of two group boxes. One is for Crop Rates Manager and other is for Acre-Crop Rates Manager. In Crop Rates Manager project and the season should be stated at first. Then Yield per Acre value should be given and submit the data. At the right half Crop Rates Manager group box there is another sub portal to view and edit Yield Per Acre data. In Acre-Crop Rates Manager left half for crops grade-wise percentages. Once the grade is selected a table appears in accordance with selected grade which displays the subcategories such as 5/10(No.4), 10/15(No.3), 15/25(No.2), CRS. When the data on each subcategory is entered administrator is free to submit the data. The submitted data can be viewed and edited from the right half of the Acre-Crop Rates Manager selecting the relevant grade.

Enter Plan Data

Enter Plan Data tab which displays the Enter Plan Data portal allows users(suppliers) to enter their seeding plans. First user needs to select the project and the season. Then user can select the starting date of the season. Once user entered the number of weeks system displays the table of weeks relevant to the plan where user can add the expected seeding plan on each week. 'Submit Data' and 'Reset' buttons are given in portal respectively for data submission and resetting the data fields.

View and Edit Revision Data

This portal enables users to view their added plans and edit them. Firstly user needs to select the project and give the season. If the user has not added any seeding plans systems alerts it. Once the project and season is given system displays latest plan added by the user. So user can either add a missed revision or a new revision or click on Set Revision Table. Once 'Set Revision Table' is clicked system displays a new table with the week headings where user can specify the new values on each week as his new revision. There is also a 'Add Week' button where it enables user to add one more weeks to the new revision table. In new revision table there is another parameter that indicates whether figure is a 'planned' or a 'seeded' one as 'p' or 's'. 'Submit Data' and 'Reset' buttons are given in portal respectively for data submission and resetting the data fields.

Arrival Patterns

View Arrival Patterns

In View Arrival Patterns user needs to give Project and Season and click on 'Generate' button. System displays the project plan agreed by the user. If any project revisions are given they also get displayed.

Below the project revisions system displays the arrival pattern of crop at a table that shows the figures of the crop arrival on each week. System also facilitates the functionality of printing the displayed arrival patterns.

View Tentative Reports

View Tentative Reports enables user to get summarized details of planned data. Users need to first select the season and then generate report. The report displays project, grade, Planned Acreage, Received Acreage, and plan on each week of both internal and external suppliers. Also highlights totals of internal suppliers, total of external suppliers and the grand total of planned acreage. System also facilitates the functionality of printing the displayed tentative reports.

View Fore-casted Reports

View Fore-casted Reports enables user to get summarized details of expected arrival patterns. Once the grade and the season is selected systems displays expected arrival of crops on each week for different sub grades of both external and internal suppliers. User also can print the data report.

Fore-casted Total Reports

View Fore-casted Reports increase the analyzing power of users by summarizing all the information of fore-casted arrival patterns of gherkin under the each grade. This also provides a weekly forecast. User also can print the data report.