



**United States Agency for International  
Development**



**Ministry of Water Resources  
& Irrigation**

**LIFE Integrated Water Resources Management  
Task Order No. 802  
EPIQ II: Contract No. EPP-T-802-03-00013-00**

# **Matching Irrigation Supply and Demand**

## **User Manual # I**

**March 2008**

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## **User Manual**

# **MISD Consolidation Data Base (MISD Tool - Version 3)**

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**March 2008**

### **DISCLAIMER**

The authors views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government

## Table of Contents

<b>1. MISD DIRECTORATE CONSOLIDATION DATA BASE .....</b>	<b>1</b>
<b>2. BRIEF DESCRIPTION .....</b>	<b>1</b>
<b>3. DATA ENTRY FORMS .....</b>	<b>3</b>
<b>4. DISPLAY SCREENS .....</b>	<b>4</b>
4.1. WEATHER INFORMATION:.....	4
4.2- CROP INFORMATION:.....	5
4.3- WATER REQUIREMENT HISTORIC DATA:.....	6
<b>5. REPORTS .....</b>	<b>6</b>

## **I. MISD Directorate Consolidation Data Base**

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### **Version:V3 Updates(Recent Modifications to Version 2)**

**Software Used:** MS-Access

**Operation System:** MS-Windows XP

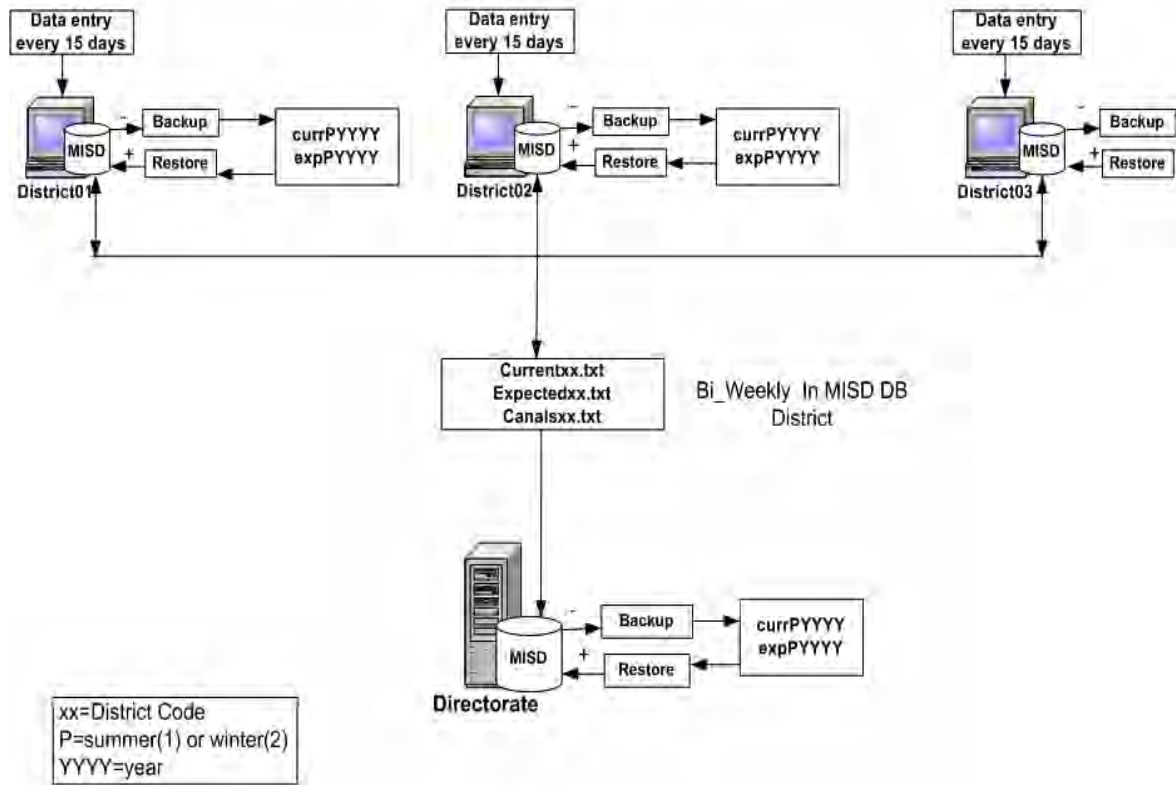
## **2. Brief Description**

This is version two of the MISD DB that was first developed during phase 2 of MISD Benchmark of AID program in co-ordination with WPAU (currently IWMU) of MWRI. The main goal of this tool is to estimate actual (current) and expected water needs at the district level. MISD DB was designed to introduce a user friendly interface to the excel based model (Version 1 MISD model) which was developed in the early phases of MISD benchmark.

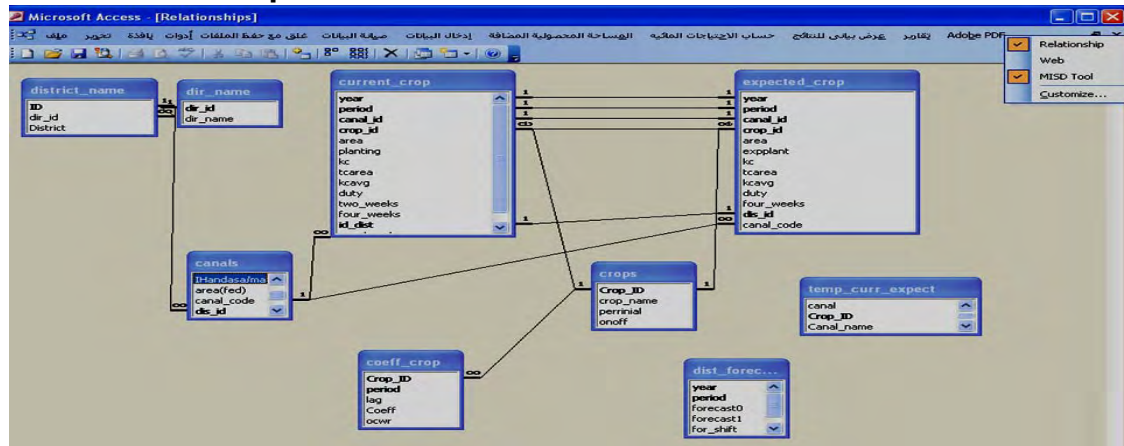
On a biweekly basis, the ministry of agriculture and Land Reclamation MALR has developed an access tool for aggregating Crop areas from the hood up to the canal level within the agricultural administrative unit. The output of this tool is communicated to irrigation district of MWRI. In turn, MWRI undertakes to calculate the canal water needs based on the submitted cropping pattern and In turn, submit those to general irrigation directorate, which again communicates water needs reports to upper levels of water distribution of MWRI.

In this Manual an English Summary of version three (V3) is introduced. This version includes the recent update to Arabic MISD (V2) which was developed. We will also describe the Arabic Version two and, which is also developed in Arabic with new modifications both districts and directorates MISD tools in order to facilitate data consolidation and integration at the directorate level.

## Directorate Level MISD Consolidation



### Table Relationships:

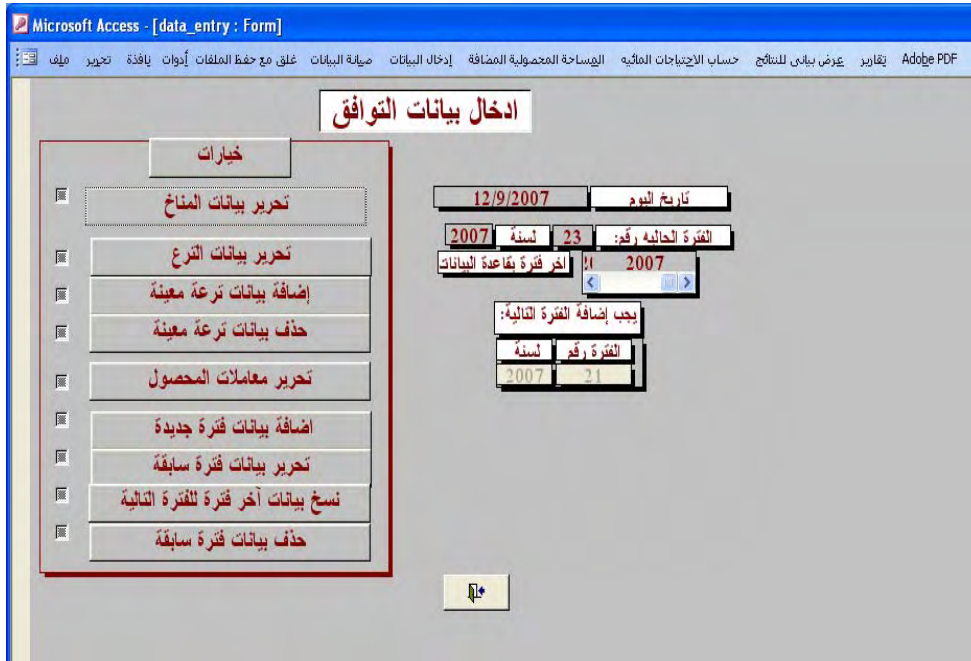
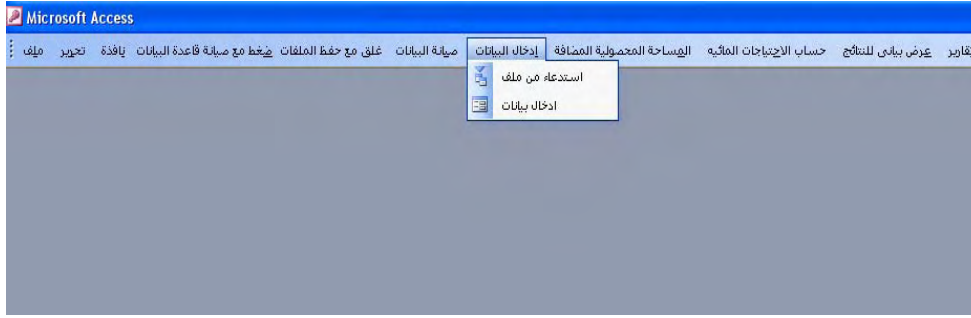


### Main Menu & Procedures screen:



### 3. Data Entry Forms:

Through this menu item, the user can accomplish all required data entry operations. Once the user click on the main menu "Data Entry" item, a popup menu displays showing only one choice. That is to display data entry main form. When choosing this item, an access form is displayed to the user showing all possible data entry operations. The following Figure shows the "Data Entry" form with the options for the users to choose from. The form also displays information for the last period for which crop data is available in the data base, the recommended period for data entry, and the current date and current two weeks time period (1 to 24).

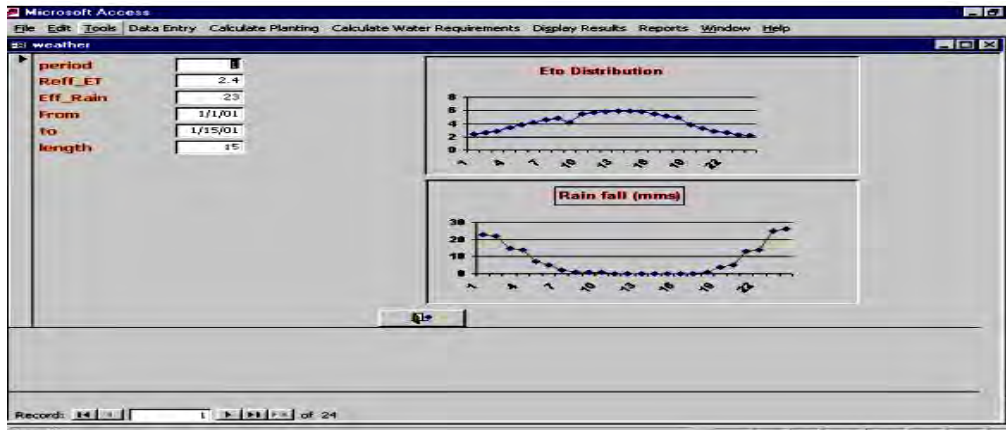


#### 4. Display Screens:

Through this item, the user is presented with a tool for observing and analyzing configuration and historic information. There are four groups of information to be displayed through the pop-up menu of this main menu item as follows:

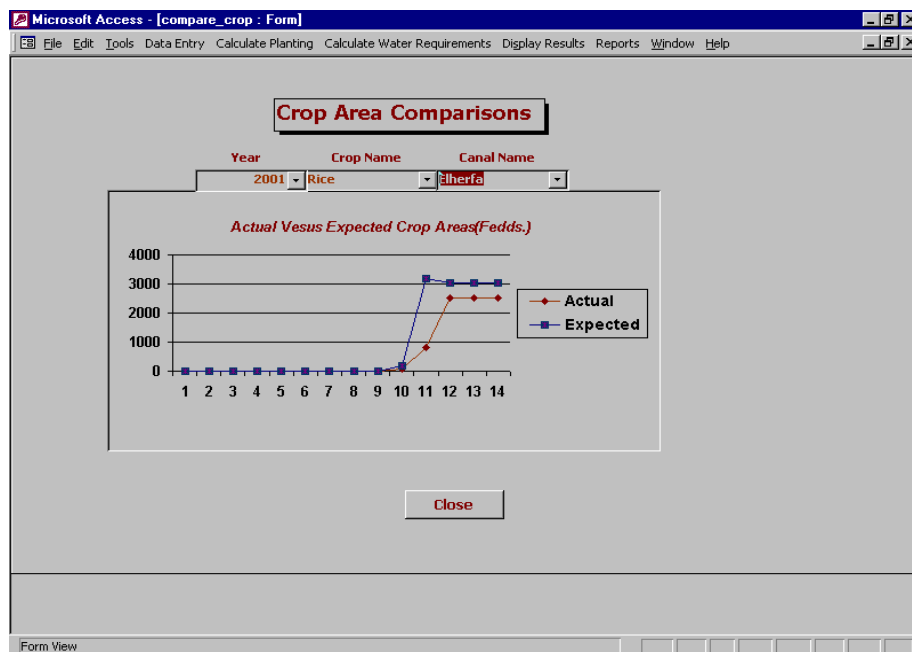
##### 4.1. Weather Information:

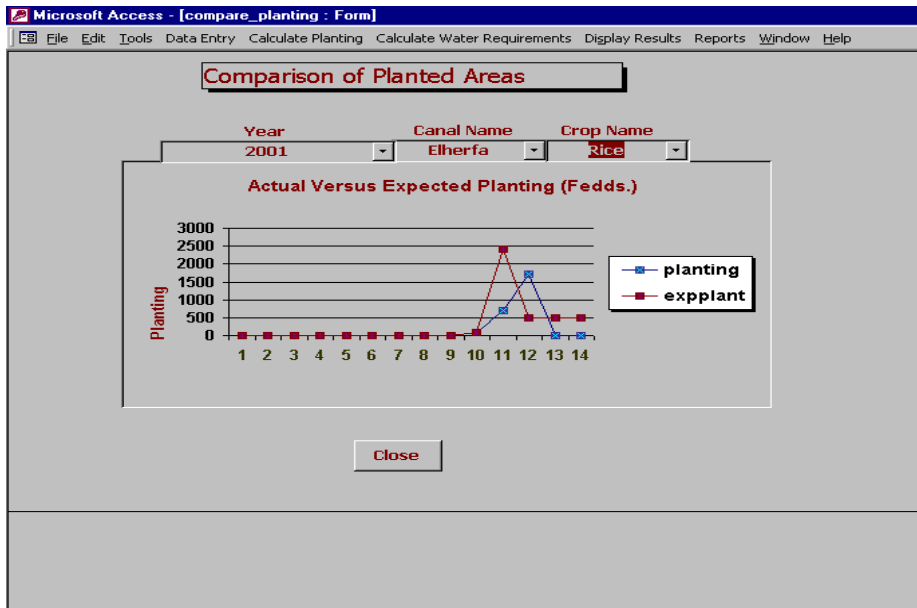
This includes information about bi-weekly Values of Evapo-transpiration and rainfall depth (mms) within the district.



#### 4.2- Crop Information:

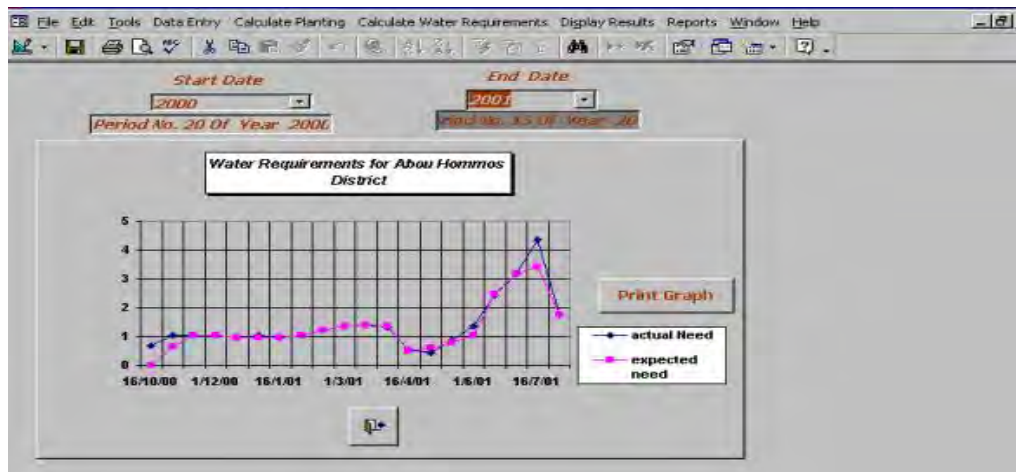
Through the graphical display, information about crop coefficient, Comparison of historic crop areas for a certain year or canal or crop in the data base can be done. Same kind of comparison for expected and current crop areas crop areas can also be done through the crop display menus.





#### 4.3- Water Requirement Historic Data:

This presents a form for displaying data for a start to from periods chosen by the user.



#### 5. Reports:

The next figure shows the screen by which the user generate reports on historic water needs, cropped areas, planting for individual canals and for the whole district for defined period of time. It can be seen that the user can preview, print and finally send the report to higher administrative levels of the ministry. The report will be sent as an e-mail attachment which will be displayed to the user in order to edit message or change any other pre-set e-mail attributes. This step assumes that Microsoft outlook is installed within the office program on the district's computer were this tool is to be run and that E-mail configuration is part of the district's specific configuration.

dist\_gr5 : Form

## التقارير المختلفة للتوافق بـ عرب الشرقية

### تقارير / نتائج

- تركيب محصولي
- تجميع التركيب المحصولي
- تجميع التركيب المحصولي لمداخل الهندسة
- إحتياجات الترع
- إحتياجات مداخل الهندسات
- إحتياجات الهندسات
- إحتياجات الادارة

معاينة الطباعة طباعة

طباعة

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