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Introduction

Welcome to the Diet Manager™ User’s Guide. Diet Manager™ is a software program designed to easily utilize the EZ3500 Indicator and DataKey™ to track and record recipe loading and feeding. Diet Manager™ allows you to set up specific recipes and pen deliveries for your herd. The program tracks and records each step in the process including tracking each individual operator. The program outputs the completed loading and feeding data into over 10 easy to read reports with selectable date ranges. This provides you with the valuable data required to optimize your feeding system on a cost/production basis.

The program is Windows® based to allow you to get up and running quickly and start understanding and controlling your feeding costs.

Minimum System Requirements

Make certain that your PC includes the following hardware and software. These are the minimum system requirements to run Diet Manager™.

- A Pentium™ 100 or better PC
- Microsoft Windows98, 2000, ME, XP or NT™
- Adobe Acrobat Reader™
- 100 Meg Free disk space
- 32 Meg Ram
- 3.5” Floppy Drive
- CD Drive
- A mouse
- A serial port
- Printer
- 28.8 modem
- Internet Service Provider

A USB to Serial Port adapter can be used if your PC does not have a free serial port. The serial port must be assigned to a port number 1 to 8. A higher comm. port setting will not work with the Diet Manager™ program.

Please Note that certain programs can interfere with the operation of the serial port / Diet Manager™. These programs include Palm Desktop and some auto ID systems and milk monitoring programs. If these programs are installed and running on the PC you intend to use for the Diet Manager™ system, they must be shut off when reading / writing to the DataKey™. Failure to shut these programs off during this sequence may result in errors and lost data.
Installing the Software

Before you Install
This section takes you through the necessary steps to install the software and hardware to run your system. Please take some time to review this section before beginning the installation process.

Read the License Agreement
Read the Digi-Star License Agreement on the sheet accompanying the software and this manual. When you break the seal on the CD, and install the software, you agree to the terms of the license agreement.

Connecting the DataKey Docking Station
The DataKey Docking Station is the interface device for the DataKey. This device must be connected to the computer running the Diet Manager software.

The DataKey Docking Station must be connected and powered ON whenever the Diet Manager software is running.

To connect the device:
1. Connect the 9-pin connector to the serial 9-pin connector on the computer that will be running the Diet Manager software.
2. Plug the power supply into an 115v/230v outlet. The power light on the DataKey Docking Station should be ON.
3. Insert the DataKey into the slot on the front of the DataKey Docking Station.

Diet Manager Installation
The Diet Manager software is shipped to you on a CD. To install the software, please close all other open programs. Insert the CD into the drive. If Auto Run is enabled on your computer, follow the installation instructions.

If the installation screen does not appear, go to Start and select Run. From the Run menu, browse the CD and select setup.exe. The install screen will now appear. Follow the installation instructions.

Install, connect and power On the DataKey Docking Station and Insert the DataKey before attempting to start the Diet Manager software. Failure to do so will result in an error during the initial phase of the software setup.

Selecting the program Language
After installation of the software, the first time that the Diet Manager program is started, the Language Selection box will appear.

Note: The Language Selection can be changed at any time after initial setup.

To select a language from the list, click on the desired language and click Ok to save your selection. The language selection can be changed from within the Diet Manager program by selecting System, Language from the main menu.

Selecting the Decimal Separator
Select the Decimal Separator and click Save. This selection is for types of currency separators.
Entering the program Serial Number
After selecting the program language, enter the 6 digit serial number of the program. This number can be found on the CD. Click Ok when done.

Find Comm
After installation of the software, the first time you run the Diet Manager™ program, the Find Comm program will automatically run. This program is designed to find the working comm. port and data transfer device used with your system.

After clicking on Start, the program will begin searching for a working comm. Port and DataKey™. This search can take up to several minutes. After finding the comm. port and device, the program will update the Diet Manager™ program and start the program.

A working DataKey™ must be inserted in the DataKey™ Docking Station.

Selecting the Date Format
Select the Date Format you wish to use and click Save.

Note: The selected Date Format should match the Date Format of the EZ3500 Indicator.

Weigh Mode
Select your Weigh Mode and click Ok.

Note: The values entered will not convert if mode is changed later.
Diet Manager™ Setup

Setting the System Options
All System Options are accessible from the Main Menu, System.

Comm Port
To change the Comm Port, Select **System** from the Main Menu. From the drop-down menu, select **Comm Port**. This will display the Find Comm Port Screen. Select **Start** to run the Find Comm Port.

*Note: You must insert a DataKey™ into the DataKey™ Docking Station before running Find Comm*

Load Sheet Header
To change the Load Sheet Header, Select **System** from the Main Menu. From the drop-down menu, select **Load Sheet Header**. This will display the Load Sheet Header Screen. Enter your farm information; delete any lines you do not wish to use and Click **Save**.
Entering/Updating Commodities

Adding New Ingredients

To access the Ingredient screen, Select the **Ingredients** tab, or from the Main Menu, select **Files, Ingredients**. Click **Add New** to add an ingredient. This will display the Add Ingredient Screen.

![Add Ingredient Screen](image)

Enter the Ingredient data.

- **Code** – This is the 6 character name of the ingredient as displayed on the EZ3500 Indicator and/or Remote.
- **Description** – Enter the full description of the Ingredient.
- **Cost** – Enter the cost of the Ingredient, entered in cost per lb, ton, kg, etc.
- **Dry Matter %** – Enter the Dry Matter % of the Ingredient.
- **Moisture Test Date** – Enter the date of the last Dry Matter test.

When complete, Click **Save** to save your entries or **Cancel** to exit without saving.

*Note: Water is a default ingredient and cannot be deleted.*

Changing the Ingredient Cost

To access the Ingredient screen, Select the **Ingredients** tab, or from the Main Menu, select **Files, Ingredients**. To change an Ingredient entry, either double-click on the ingredient or highlight the Ingredient you wish to change by left clicking on the Ingredient and then clicking on the **Modify** button to edit the Ingredient entry. Either method will display the View/Modify Ingredient Screen.

![View/Modify Ingredient Screen](image)

Make your change to the Ingredient Cost and click **Save**.

Changing the Dry Matter %

To access the Ingredient screen, Select the **Ingredients** tab, or from the Main Menu, select **Files, Ingredients**. To change an Ingredient entry, either double-click on the ingredient or highlight the Ingredient you wish to change by left clicking on the Ingredient and then clicking on the **Modify** button to edit the Ingredient entry. Either method will display the View/Modify Ingredient Screen.

![View/Modify Ingredient Screen](image)

Make your change to the Dry Matter % and click **Save** to save your changes.
Changing the Moisture Test Date
To access the Ingredient screen, Select the Ingredients tab, or from the Main Menu, select Files, Ingredients. To change an Ingredient entry, either double-click on the ingredient or highlight the Ingredient you wish to change by left clicking on the Ingredient and then clicking on the Modify button to edit the Ingredient entry. Either method will display the View/Modify Ingredient Screen.

Make your change to the Moisture Test Date and click Save to save your changes, or Cancel.

Changing the Ingredient Description
To access the Ingredient screen, Select the Ingredients tab, or from the Main Menu, select Files, Ingredients. To change an Ingredient entry, either double-click on the ingredient or highlight the Ingredient you wish to change by left clicking on the Ingredient and then clicking on the Modify button to edit the Ingredient entry. Either method will display the View/Modify Ingredient Screen.

Make your change to the Ingredient Description and click Save to save your changes.

Changing the Ingredient Code
To access the Ingredient screen, Select the Ingredients tab, or from the Main Menu, select Files, Ingredients. To change an Ingredient entry, either double-click on the ingredient or highlight the Ingredient you wish to change by left clicking on the Ingredient and then clicking on the Modify button to edit the Ingredient entry. Either method will display the View/Modify Ingredient Screen.

If a change is made to the Ingredient Code, the following message will be displayed:

If you select Yes, a new ingredient will be created using the Ingredient Code entered.

Deleting an Ingredient
To access the Ingredient screen, Select the Ingredients tab, or from the Main Menu, select Files, Ingredients. To delete an Ingredient entry highlight the Ingredient you wish to delete by left clicking on the Ingredient and then clicking on the Delete button.

The program will ask you to confirm the deletion. Select Yes to Delete the Ingredient.

If an Ingredient is in use in a Recipe, the following message will be displayed:

An Ingredient used in a Recipe must first be deleted from the Recipe or the Recipe itself must be deleted. Once either of these steps have been taken, the Ingredient can then be deleted from the Ingredients.
Entering/Updating Recipes

Determining How a Recipe is Loaded
Recipes can be loaded based on Actual Weight per Head or Dry Matter Intake per Head.

To change this setting, select **Actual Weight** or **Dry Weight** under the **Build By** heading on the Recipe screen.

- **Actual Weight** – Recipe is loaded as actual weight per ingredient per head.
- **Dry Weight** – Recipe is loaded as dry weight per ingredient per head.

Adding New Recipes
To access the Recipe screen, Select the **Recipes** tab, or from the Main Menu, select **Files, Recipes**. Click **New** to add a Recipe.

Enter the Recipe data.

- **Recipe Name** – This is the 6 character name of the Recipe as displayed on the EZ3500 Indicator and/or Remote Display.
- **Premix / Grain Mix** – This is a checkbox selection to signify if the Recipe is a Premix/Grain Mix.
- **Build By** – This is a checkbox selection to determine how the recipe is built, by Actual weight or by Dry Weight
- **Description** – Enter the full description of the Recipe.

To Add an Ingredient to the Recipe, click on the **Add Ingredient** button. This will display the **Add New Ingredient** to Recipe screen.
To add an Ingredient, Click on the **Down Arrow** in the Code / Description box. This will display a drop-down menu selection of all the ingredients entered in the Ingredient screen. Select the ingredient to add by clicking on the ingredient in the list. Enter the amount to load under either the Actual Wt./Head or Dry Wt./Head depending on your selection made under the Build By selection.

**Motion Weight** – This setting prevents the ingredient or corral to advance if the weight is unstable or moving. The motion weight is the amount of weight the display changes by for the “Motion” Arrow to begin flashing. This allows the "Motion Weight Value" to be adjusted for each feedline. The indicator uses the motion weight value to determine when the weight on the scale is changing rapidly. Motion detection will activate when the weight displayed has moved more than "Motion Weight" (ex. 20lbs) in less than "2 seconds".

This is different than the standard motion detection which activates when the weight displayed has moved more than "2 display counts" in less than "2 seconds". The standard motion detection is selected whenever the indicator is first turned ON or the "Motion Weight" value is set to "0". The "Motion Weight Value" has a range from 000(OFF) to 999. The weight value is either lb or kg depending on setting for Display Units in Long Form Setup.

To access this option: Enter short cut number 103 and press the [Select] key. Press [Select] key to toggle on/off. Press the [On] key to save.

**Tolerance Weight** – This option is useful if you need to set different tolerance weights for individual ingredients. The tolerance weight determines when the delay timer will begin. For example: if your tolerance weight is 100 lbs/Kgs on corn silage, when you reach 100 remaining to load the “delay time” will begin to count down.

This tolerance weight will over ride the tolerance set at the indicator for only ingredients that have a tolerance weight entered from the software.

The auto-advance resets the "delay time" counter every time the weight moves out of the tolerance window. If enabled, "motion detection" also resets the "delay time" counter

When complete, click **Ok** to save the ingredient. Repeat as required to enter the ingredients for the Recipe.

### Modifying an Ingredient

To access the Recipe screen, Select the **Recipes** tab, or from the Main Menu, select **Files, Recipes**. To change an Ingredient entry, either double-click on the ingredient or highlight the Ingredient you wish to change by left clicking on the Ingredient and then clicking on the **Modify Ingredient** button to edit the Ingredient entry. Either method will display the View/Modify Ingredient in Recipe Screen.

Make the required changes to either the Actual Wt./Head, Dry Wt./Head or change the Ingredient to be loaded.

When complete, click **Ok** to save the changes.

### Deleting an Ingredient

To access the Recipe screen, Select the **Recipes** tab, or from the Main Menu, select **Files, Recipes**. To delete an Ingredient entry highlight the Ingredient you wish to delete by left clicking on the Ingredient and then clicking on the **Delete Ingredient** button.

The program will ask you to confirm the deletion. Select **Yes** to Delete the Ingredient.

### Changing the Ingredient Loading Order

To access the Recipe screen, Select the **Recipes** tab, or from the Main Menu, select **Files, Recipes**. To change the Ingredient Loading order highlight the Ingredient you wish to move by left clicking on the Ingredient and then clicking on the **Move Up/Move Down** button.

When complete, Click on **Save** to save the loading order.
The loading order is the order in which the ingredients are displayed on the EZ3500 indicator and/or the remote display. This order cannot be changed at the EZ3500.

*Note: If the first ingredient is selected, your only choice will be to move the ingredient down. If the last ingredient is selected, the only choice will be to move the ingredient up.*

### Changing a Recipe Name
To access the recipe screen, select the **Recipes** tab, or from the main menu, select **Files, Recipes**. To change a recipe name, use the ***Previous and Next*** buttons to navigate to the recipe. Change the recipe name and click **Save** to save the new entry.

*Note: Changing a recipe name creates a new recipe.*

### Deleting a Recipe
To access the recipe screen, select the **Recipes** tab, or from the main menu, select **Files, Recipes**. To delete a recipe, use the ***Previous and Next*** buttons to navigate to the recipe. Click on the **Delete** button to remove the recipe.

The program will ask you to confirm the deletion. Select **Yes** to delete the recipe.

If a recipe is assigned to a corral for feeding, the following message will be displayed:

A recipe used in a corral feeding must first be deleted from the corral. Once this has been done, the recipe can then be deleted.

### Using Find
To access the recipe screen, select the **Recipes** tab, or from the main menu, select **Files, Recipes**. Click on the **Find** button in the lower corner of the display box.

This will display the select recipe screen. Click on the **Recipe** you want to navigate to and click **Ok**. The recipe you selected will now be displayed.

### Entering/Updating Corrals

#### Adding New Corrals
To access the corral screen, select the **Corrals** tab, or from the main menu, select **Files, Corrals**. Click **New** to add a corral.
Enter the Corral data.

**Corral** – This is the 6 character name of the Corral as displayed on the EZ3500 Indicator and/or Remote.

**Number of Animals** – Enter the number of animals in the corral.

**Description** – Enter the full description of the Recipe.

Each Corral can be fed 4 times per day. To Select the Recipe to feed, click on the **Down Arrow** under the Recipe heading. This will display a drop-down menu of the Recipes entered.

Click on the Recipe to feed. This will automatically input the Feed Call by multiplying the Actual Wt./Head by the number of animals entered. Repeat as required for each feeding. When complete, Click **Save** to save your entries.

**Modifying a Corral**

To access the Corral screen, Select the **Corrals** tab, or from the Main Menu, select **Files, Corrals**.

To change a Corral entry, enter the new data. Changing the Corral will create a new Corral.

Changing the Number of Head will increase / decrease the Feed Call.

**Changing the Recipe Fed**

To access the Corral screen, Select the **Corrals** tab, or from the Main Menu, select **Files, Corrals**.

To change the Recipe fed, use the **<<< Previous and Next >>>** buttons to navigate to the Corral. Select the new Recipe from the drop-down menu. Click **Save** to save your changes.

**Changing the Number of Head**

To access the Corral screen, Select the **Corrals** tab, or from the Main Menu, select **Files, Corrals**.

To change the Number of Head, use the **<<< Previous and Next >>>** Buttons to navigate to the Corral. Change the Number of Head of entering the new Number of Head. Changing the number of head will automatically change the Feed Call. Click **Save** to save your changes.

**Changing the Feed Call**

To access the Corral screen, Select the **Corrals** tab, or from the Main Menu, select **Files, Corrals**.

To change the Feed Call, use the **<<< Previous and Next >>>** buttons to navigate to the Corral. Change the Feed Call by entering the new call weight. Click **Save** to save your changes.
Deleting a Corral

To access the Corral screen, Select the Corrals tab, or from the Main Menu, select Files, Corrals. To Delete a Corral, use the << Previous and Next >> buttons to navigate to the Corral. Click on the Delete button to remove the Corral.

The program will ask you to confirm the deletion. Select Yes to Delete the Corral.

Using Find

To access the Corral screen, Select the Corrals tab, or from the Main Menu, select Files, Corrals. Click on the Find button.

This will display the Select Corral screen. Click on the Corral you want to navigate to and click Ok. The Corral you selected will now be displayed.

Entering/Updating Wagons

Adding New Wagons

To access the Wagons screen, Select the Wagons tab, or from the Main Menu, select Files, Wagons. Click New to add a Wagon.

Enter the Wagon data.

Wagon – This is the 6 character name of the Wagon.
Description – Enter the full description of the Wagon.
Wagon Status – Enter the status of the Wagon.
Load Size – Enter the maximum amount that can be loaded for each recipe.

When complete, click Save to save your settings.

Modifying a Wagon
To access the Wagons screen, Select the Wagons tab, or from the Main Menu, select Files, Wagons.

To change a Wagon entry, enter the new data. Changing the Wagon will create a new Wagon.

To Change the Load Size, enter the new maximum load size.

When complete, click Save to save your settings.

Deleting a Wagon
To access the Wagons screen, Select the Wagons tab, or from the Main Menu, select Files, Wagons. Click on the Delete button to remove the Wagon.

The program will ask you to confirm the deletion. Select Yes to Delete the Wagon.

Entering/Updating Operators

Adding New Operators
To access the Operators screen, Select the Operators tab, or from the Main Menu, select Files, Operators.

Enter the Operator name in the entry field. Enter an Operator ID in the entry field. Up to 5 operators can be entered. When complete, click Save.

Note: The Operator ID should match the ID entered at the EZ3500. To make this as easy as possible, a single numerical digit is usually assigned to each Operator.
Modifying Operators

To access the Operators screen, Select the Operators tab, or from the Main Menu, select Files, Operators.

To change an Operator, simply over-write the existing entry and click Save to save your changes.

Sending Feeding Data to the DataKey™

To access the Send Data screen, Select the Send Data tab, or from the Main Menu, select DataKey™, Send Data.

Selecting a Feeding

Select the Feeding to send. One feeding at a time may be sent or select All Feedings to send all feedings at once.

Selecting a Wagon

Select the Wagon by clicking on the check-box for the specific Wagon.
Printing Feed Sheets

To print Feed Sheets, under Options, select Print Feed Sheet. Un-check the Store to DataKey™ check-box to print feed sheets without sending data to the DataKey™.

Setting the Feeding Order

Set the Feeding Order by highlighting a Corral and clicking on the Move Corral Up or Move Corral Down buttons.

The Feeding Order determines how the order of the Corrals is displayed on the EZ3500 Indicator. In the example above, the Corrals would be fed in the order of Corral 1, Corral 2 and Corral 3.

If the selected wagon can mix more than the combined feed call for Corral 1 and 2 (8300), then these Corrals will be combined into a single load. Loads will only be combined when the total load does not exceed the Wagon capacity and when the Recipe to be fed is the same.

When the Feeding Order has been set, click on Save Feeding Order to save the order. A temporary change can be made by changing the order and not clicking on Save Feeding Order. This sends the Corrals in the order specified, but does not save the new order.

When the Feeding Order has been set, click on Make Loads. This combines loads and places them in the right-hand window.

In the first example, Feeding 1, Corral 1 and 2 have been combined into a single load of 8300. This will be followed by a load of 2000 for Corral 3.

In this example, we have moved Corral down to the last position in Feeding 1. When the Make Loads Button is clicked, the new Feeding Order results in a single load for each Corral in Feeding

The right-hand window is provided to review the Feeding Order and Corral grouping prior to sending the data to the DataKey™. Changes to the Feeding Order can be made at any time prior to sending data to the DataKey™. Make your required changes and click on the Make Loads Button to update the right-hand window.

Note: No loads are sent until the Send Buttons are clicked.

Sending Loads to the DataKey™

When you are satisfied with the Feeding Order and grouping, click on Send All to send all the feeding data to the DataKey™.

As the data is sent to the DataKey™, a green progress bar will track the percent complete.
When all the data has been sent to the DataKey™, a message box will appear showing the status of the data sent and the right-hand window will be blank.

**Sending a Single Load to the DataKey™**

To send a single load at a time, highlight the load you want to send to the DataKey™ by clicking on it in the right-hand window.

Click on the **Send One Load** button. This will send the selected load to the DataKey™. No other loads will be sent.

**Send One Wagon**

The Send One Wagon selection automatically splits the loads between the wagons.

**Send One Load**

The Send One Load selection sends only the load highlighted.

**Reviewing Loads**

To review the Corrals in a combined load, double-click the load in the right-hand window. This will open a new window that displays the feeding data for that load.

**Appending data to the DataKey™**

When feeding data exists on the DataKey™ and an attempt is made to send additional feeding data to the DataKey™, the following type message will appear;

To add the new data, click **Yes**.

**Receive Data from the DataKey™**

To access the Receive Data screen, Select the **Receive Data** tab, or from the Main Menu, select DataKey™, Receive Data.
Save to File Folder
This option sets the path that the received data will be saved to. The default location is C:\. To create a different location, first create the location in Windows®. Next, enter the new file location.

Save to File Name
This option sets the File Name that the received data will be saved as. The default file name is the path entered in Save to File Folder, date(mmddyy format).CSV.

To save the file to a different name, un-check the Use Default File Name and enter a file name in the Save to File Name box.

When done, click Save Settings to save your entries.

Verify Date of Feed Data
This option will verify the date of the data on the DataKey™. A message box will appear for any data with a date that is outside of 2 weeks of the date set on your computer.

Selecting Yes will flag the data with a column named Invalid Date. No changes to the actual data will be made. Selecting No will read the data as normal without the Invalid Date flag.

Notify of Feed Call Change
This option will display a message box showing any feed call changes or head count changes made at the EZ3500 Indicator.

Display Data after Received
This option will display the received data after read by Diet Manger™.
Note: The data cannot be edited in this screen.

Create Backup Copy
This option will create a backup copy of the data read from a DataKey™. The backup will be stored in the installation directory for the Diet Manager™ program in the file folder Data. The file will be named: date (mmddyy format).BAK.

Receive Data from the DataKey™
To access the Receive Data screen, Select the Receive Data Tab, or from the Main Menu, select DataKey™, Receive Data. Insert the DataKey™ into the DataKey™ Docking Station and click the Receive Data Button.

As the data is read, a green progress bar will track the percent complete. When complete, the program will ask if you want to clear the data from the DataKey™. Select Yes to erase the data or No to exit without erasing the data.

View Data on DataKey™
To access the View Data on DataKey™ screen, from the Main Menu, select DataKey™, View Data on DataKey™.

Insert the DataKey™ into the DataKey™ Docking Station and click Read.

As the data is read, a green progress bar will track the percent complete. When complete, the available data to view will be selectable under the Available Data.

Recipe Requests
Selecting Recipe Requests displays the Recipes called to be loaded. The Batch Number, Ingredients and Call Weights are shown.

Corral Requests
Selecting Corral Requests displays the Corrals called to be fed. The Corral Number, Recipe, Call Weight and Batch Number are shown.
Recipes Complete
Selecting **Recipes Complete** displays the completed Recipes. The Recipe, Date, Total Call Weight, Loaded Weight, Ingredient Call Weight, Ingredient Loaded Weight and Batch Number are shown.

Corrals Complete
Selecting **Corrals Complete** displays the completed Corrals. The Corral, Date, Recipe, Call Weight, Fed Weight, and Batch Number are shown.

DataKey™ Name
Selecting **DataKey™ Name** displays the DataKey™ Header. This file is for Digi-Star® informational purposes only.

Clear DataKey™
To access the Clear DataKey™ screen, from the Main Menu, select **DataKey™, Clear DataKey™**.

Insert the DataKey™ into the DataKey™ Docking Station. The Diet Manager™ program will ask you to verify that you want to clear the DataKey™.

*Note: Once a DataKey™ has been cleared, the data cannot be recovered.*

Test DataKey™
To access the Test DataKey™ screen, from the Main Menu, select **DataKey™, Test DataKey™**.

A message will appear asking you to verify that you want to Test the DataKey™ and that testing will destroy any data on the DataKey™.

Select **Yes** to test the DataKey™.

*Note: The DataKey™ test can take up to 1 minute to complete.*

Select **Run Test** to begin the DataKey™ test.

Authorize DataKey™
To access the Authorize DataKey™ screen, from the Main Menu, select **DataKey™, Authorize DataKey™**.

In the unlikely event that a DataKey™ Header file becomes corrupt, the Authorize DataKey™ function will re-format the DataKey™ Header. Selecting this function will require an Authorization Code provided by Digi-Star®. Enter the code as provided by Dig-Star® and click **Authorize**. The Diet Manager™ program will re-format the DataKey™ header file.

Example Excel® File
This file is an example of the CSV file created by Diet Manager™. The file has been opened in Microsoft Excel® and some formatting has been performed to assist in explaining the data fields.

The first 22 records are data sent from the Diet Manager™ to the DataKey™. The remaining records are records completed and returned from the EZ3500 Indicator.
**Wagon** – Sent from Diet Manager™ as Wagon Number. Returned from EZ3500 as Truck Number entered in Indicator. This can be changed to match the Diet Manager™ program. Please see the document EZII Shortcut numbers.

**RS** – Record Status. U = Undone, S = Done  

**I / P** – Ingredient or Corral. I = Ingredient, P = Corral  

**Loaded** – T = Wagon Loaded  

**Batch #** – First digit represent the Feeding Number, last three digit are a sequencial number  

**I / P** – Ingredient or Corral  

**Recipe** – Recipe Code to be loaded / fed  

**Call Wt** – Weight to be loaded or fed  

**Loaded Wt** – Actual weight loaded or fed  

**Size / ID** – Sent from Diet Manager™ as maximum amount to load. Returned from EZ3500 as Operator ID.  

**Time** – Time stamp of completed record  

**Date F** – Date Format code  

**Date** – Date stamp of completed record  

**# Head** – Head Count as sent from Diet Manager™ and as returned from EZ3500 Indicator  

**Call Chg** – Call Weight change as returned from EZ3500 Indicator  

**Zone** – Zone field  

**Mix Time** – Mix Time as returned from EZ3500 Indicator (requires Mix Timer Option)  

**Gross Wt** – Gross Weight as recorded on EZ3500 Indicator  

**Error** – Error Messages

**Reports**

In the report list, select the desired report. You will now see the date range will highlight. Using the “Select” button, select the start and end date on the calendar. Please note of what month and year the calendar is displaying. Also note the broader the date span the longer it might take for the report to generate.
Report Types/Definitions
Diet Manager offers over 10 reports to show you entered information such as ingredients and recipes, along with the received date of actual ingredient usage and corral feeding.

Ingredient List
This report will list all of the defined ingredients in the database along with their cost and dry matter percentage.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Pre Mix/Grain Mix</th>
<th>Cost $/Ton</th>
<th>Dry Matter %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORN</td>
<td>CORN</td>
<td>12.00</td>
<td>55.00</td>
<td></td>
</tr>
<tr>
<td>CORNIL</td>
<td>CORNILAGE</td>
<td>06.00</td>
<td>21.00</td>
<td></td>
</tr>
<tr>
<td>H2O</td>
<td>Water</td>
<td>00.00</td>
<td>00.00</td>
<td></td>
</tr>
<tr>
<td>HAYL</td>
<td>HAYLAGE</td>
<td>31.00</td>
<td>44.00</td>
<td></td>
</tr>
<tr>
<td>MINER</td>
<td>MINERAL</td>
<td>127.00</td>
<td>95.00</td>
<td></td>
</tr>
<tr>
<td>PREMI</td>
<td>PREMIUM</td>
<td>77.00</td>
<td>65.00</td>
<td></td>
</tr>
<tr>
<td>SOYBE</td>
<td>SOYBEANCON</td>
<td>44.00</td>
<td>78.00</td>
<td></td>
</tr>
</tbody>
</table>

Recipe List
This report will show the defined recipes listing all of the ingredients used, actual weight per head, dry weight per head, cost per ton and their percentage of load.

<table>
<thead>
<tr>
<th>Recipe</th>
<th>Description</th>
<th>Base On</th>
<th>Dry Matter %</th>
<th>Actual Wt</th>
<th>Dry Wt</th>
<th>Cost $/Ton</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRY CO</td>
<td>DRY COWIATI</td>
<td>27.00</td>
<td>46.00</td>
<td>56.75</td>
<td>12.95</td>
<td></td>
</tr>
</tbody>
</table>

Corral Feeding List
This report will show the corrals and their feeding schedule.

<table>
<thead>
<tr>
<th>Corral</th>
<th>POST FRESH PEN</th>
<th>Head Count</th>
<th>145</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feeding</td>
<td>Recipe</td>
<td>Actual Wt</td>
<td>Dry Wt</td>
</tr>
<tr>
<td>1</td>
<td>MCC 900</td>
<td>10685</td>
<td>6999</td>
</tr>
</tbody>
</table>

Wagon List
This report will show all the defined wagons and their load sizes for each recipe.

<table>
<thead>
<tr>
<th>Wagon</th>
<th>GOOD MIXER</th>
<th>Status In Service</th>
<th>Load Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recipe</td>
<td>Load Size</td>
<td>Recipe</td>
<td>Load Size</td>
</tr>
<tr>
<td>DRY CO</td>
<td>10030</td>
<td>MCC</td>
<td>19840</td>
</tr>
</tbody>
</table>
Operator List

This report shows all of the operators and their log-in codes.

<table>
<thead>
<tr>
<th>Operator Name</th>
<th>Operator ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAEHC</td>
<td>2</td>
</tr>
<tr>
<td>JOE</td>
<td>1</td>
</tr>
<tr>
<td>JOHAN</td>
<td>3</td>
</tr>
</tbody>
</table>

Ingredient Usage

This report will show the usage of each ingredient over the selected date range.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Cell Wt</th>
<th>Loaded Wt</th>
<th>Deviation</th>
<th>Error %</th>
<th>Planned $</th>
<th>Actual $</th>
<th>Error $</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORN</td>
<td>17182</td>
<td>17660</td>
<td>478</td>
<td>2.76</td>
<td>103.14</td>
<td>105.86</td>
<td>2.81</td>
</tr>
<tr>
<td>CRNKL</td>
<td>62166</td>
<td>67940</td>
<td>5760</td>
<td>1.33</td>
<td>266.45</td>
<td>269.05</td>
<td>2.60</td>
</tr>
<tr>
<td>WATLAX</td>
<td>32144</td>
<td>38080</td>
<td>5936</td>
<td>1.67</td>
<td>570.01</td>
<td>563.81</td>
<td>6.20</td>
</tr>
<tr>
<td>MIKEL</td>
<td>5876</td>
<td>6320</td>
<td>444</td>
<td>6.91</td>
<td>182.24</td>
<td>198.17</td>
<td>16.92</td>
</tr>
<tr>
<td>PREMIX</td>
<td>59957</td>
<td>59140</td>
<td>810</td>
<td>1.38</td>
<td>1420.55</td>
<td>1468.43</td>
<td>4.78</td>
</tr>
<tr>
<td>SOYBEAN</td>
<td>10306</td>
<td>10940</td>
<td>634</td>
<td>6.76</td>
<td>227.05</td>
<td>228.89</td>
<td>1.75</td>
</tr>
</tbody>
</table>

Ingredient Deviation by Recipe

This report will show the deviation of ingredient loading by grouped recipe over the selected date range.

<table>
<thead>
<tr>
<th>Recipe</th>
<th>DRY COW</th>
<th>DRY COW RATION</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Recipe</th>
<th>Batch</th>
<th>Ingredient</th>
<th>Date</th>
<th>Time</th>
<th>Cell Wt</th>
<th>Loaded Wt</th>
<th>Deviation</th>
<th>Error %</th>
<th>Planned $</th>
<th>Actual $</th>
<th>Error $</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRY COW</td>
<td>10-10-03 10:05</td>
<td>CORN</td>
<td>10-10-03 10:05</td>
<td>1558</td>
<td>1590</td>
<td>32</td>
<td>6.52</td>
<td>6.41</td>
<td>5.82</td>
<td>5.82</td>
<td>0.81</td>
</tr>
<tr>
<td>DRY COW</td>
<td>10-10-03 10:05</td>
<td>CRNKL</td>
<td>10-10-03 10:05</td>
<td>900</td>
<td>990</td>
<td>90</td>
<td>11.11</td>
<td>0.56</td>
<td>9.66</td>
<td>9.66</td>
<td>0.86</td>
</tr>
<tr>
<td>DRY COW</td>
<td>10-10-03 10:05</td>
<td>WATLAX</td>
<td>10-10-03 10:05</td>
<td>675</td>
<td>690</td>
<td>15</td>
<td>6.74</td>
<td>4.56</td>
<td>11.14</td>
<td>11.14</td>
<td>0.80</td>
</tr>
<tr>
<td>DRY COW</td>
<td>10-10-03 10:05</td>
<td>MIKEL</td>
<td>10-10-03 10:05</td>
<td>675</td>
<td>690</td>
<td>15</td>
<td>6.74</td>
<td>4.56</td>
<td>11.14</td>
<td>11.14</td>
<td>0.80</td>
</tr>
<tr>
<td>DRY COW</td>
<td>10-10-03 10:05</td>
<td>PREMIX</td>
<td>10-10-03 10:05</td>
<td>675</td>
<td>690</td>
<td>15</td>
<td>6.74</td>
<td>4.56</td>
<td>11.14</td>
<td>11.14</td>
<td>0.80</td>
</tr>
<tr>
<td>DRY COW</td>
<td>10-10-03 10:05</td>
<td>SOYBEAN</td>
<td>10-10-03 10:05</td>
<td>675</td>
<td>690</td>
<td>15</td>
<td>6.74</td>
<td>4.56</td>
<td>11.14</td>
<td>11.14</td>
<td>0.80</td>
</tr>
</tbody>
</table>
Corral Delivery Summary

This report shows recipe deliveries made to the selected corrals for the selected date range.

Corral Delivery Deviation

This report will show the deviation of recipe weights delivered to the selected corrals for the selected date range.

DMI per Head by Corral

This report will show the dry matter intake per head by corral for the selected date range.

Recipe Delivery by Corral

This report will list all the recipes delivered to the corrals for the selected date range.
### Customizing Reports

#### Date Range:
Select the desired date range to view feeding data.

#### Tolerance:
Reports will use this number by percent to display errors in color. Positive errors will be displayed in BLUE and negative errors will be displayed in RED.
**Operators:**
Select the operator to view only that persons feeding information.

**Wagons:**
Select the wagon to view only that mixers feeding information.

**Corrals:**
Select the corrals to view only that corrals feeding information.

**Recipes:**
Select the recipe to view only that recipies data.