



Harvest TrackerTM

A stylized green wheat stalk icon with a curved stem and several grains, positioned to the right of the "Harvest Tracker" text.

PC Software Manual

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D3833-EN Harvest Tracker Rev C

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1.0 INTRODUCTION

Harvest Tracker PC software is designed exclusively for use with Digi-Star GT460, GT465, and GT560 scale indicators used on Grain Carts, Weigh Wagons, Forage Wagons & Carts, and other harvest transport equipment.

Harvest Tracker PC software also works in conjunction with Digi-Star's Harvest Tracker On-Line software.

Harvest Tracker PC software is a utility software interface for GT460, GT465 and GT560 scale indicators. Harvest Tracker provides the following features:

- Setup and manage “Fields” in Harvest Tracker and the Scale Indicator
- Setup and manage “ID’s” and “Capacities” in Harvest Tracker and the Scale Indicator (GT560 Only)
- Setup and manage “Crops” in Harvest Tracker and the Scale Indicator
- Display, manage, produce reports, and export harvest data that is collected by the Scale Indicator.

A USB drive with Harvest Tracker PC software is provided with each GT460, GT465, and GT560 indicator. Harvest Tracker PC software is also available as a free download from the Digi-Star website at the following location:

http://digi-star.com/products/5/Software_and_Data_Transfer

2.0 USE AND SETUP

2.0.1 Minimum PC Requirements

- Microsoft .NET 2.0 Framework or above
- Microsoft Windows Vista SP2 or above
- 100 MB free disk space
- 500 MB Ram
- Free USB port

2.0.2 Setup



To load Harvest Tracker PC software on the computer plug the supplied USB drive into a USB port on the PC. Once the PC recognizes the USB drive and opens the menu, double-click on the “Setup” file. If the software was downloaded from the Digi-Star website find the “Download” folder and double-click on the “Setup” file.

Name	Date modified	Type	Size
Setup	3/23/2016 10:19 AM	Application	40,267 KB

3.0 RETRIEVING DATA

Data retrieval from Digi-Star Scale Indicator is performed by using a USB drive.

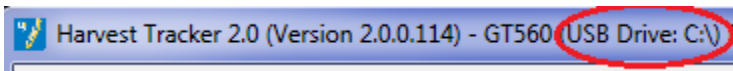


1. Insert a USB drive into the USB port located on the bottom of the GT Scale Indicator. Wait for the Scale Indicator to acknowledge the USB drive. **USB IN** will be displayed.
2. Press  to transfer the data record onto the USB drive.
3. Press 1 to transfer the field and ID names onto the USB drive.
4. Press .
5. Remove the USB drive from the USB port.

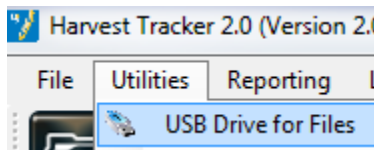
NOTE: All of the load records stored in the GT indicator are appended to the data in the USB drive each time you save records to the USB drive. **No data is ever lost.**

USB Port Function—the USB port is only to be used to upload or download data from a USB Memory Stick. The USB Port is not to be used as a charging port for any type of electronic device. Use of the USB Port for any purpose other than for which it is designed may void the product's warranty.

6. Once you have the data stored from the Indicator to the USB drive, plug the USB into a USB port on your PC.
7. Verify that the selected Drive Letter is the same as the USB drive. You will find this in the top ribbon of Harvest Tracker:



- a. If this is not the correct drive, then choose the Utilities/USB Drive for Files and follow the prompts:




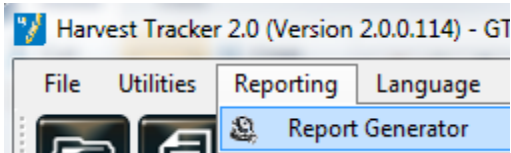
8. Click  to transfer USB drive records to the PC.

4.0 REPORTING

There are two ways you can view reports in Harvest Tracker:



1. Click  to open the report generator. In the screen that opens, chose the date range and print format (see item 4 in section 4.0.1) then click the open button.
2. Clicking Reporting/Report Generator



The Report Generator allows for Filtering and Hide/Display columns of data. It also allows you to display Google Maps of your GPS identified GT560 data.

- a. Double click any row that has GPS coordinates to map that single Load/Unload.



- b. Click  to map all Load/Unload events currently displayed.

Example Report Generator Screen:

ID	Date/Time	Wt	WtTag	AccWt	AccTag	Field	Moist	LoadLat	LoadLatHem	LoadLng
ID 1	2/9/2016 9:29 AM	0	NE	0	PA	FIELD 1	0	4256.0796	N	8848.5061
ID 1	2/9/2016 9:29 AM	0	NE	0	PA	FIELD 1	0	4256.0796	N	8848.5061
ID 1	2/9/2016 9:30 AM	112000	NE	112000	PA	FIELD 1	0	4256.0796	N	8848.5061
ID 1	2/9/2016 9:30 AM	112000	NE	112000	PA	FIELD 1	0	4256.0796	N	8848.5061
ID 1	2/9/2016 9:31 AM	-13000	NE	125000	PA	FIELD 1	21.7	4256.0796	N	8848.5061
ID 1	2/9/2016 9:31 AM	-13000	NE	125000	PA	FIELD 1	21.7	4256.0796	N	8848.5061
ID 1	2/9/2016 11:09 ...	-15100	NE	140100	PA	FIELD 1	21.5	4256.0796	N	8848.5061
ID 1	2/9/2016 11:09 ...	-15100	NE	140100	PA	FIELD 1	21.5	4256.0796	N	8848.5061
ID 1	2/9/2016 11:10 ...	-5700	NE	145800	PA	FIELD 1	21.5	4256.0796	N	8848.5061

4.0.1 Report Screen Information

ID	Date/Time	Wt	WtTag	AccWt	AccTag	Field	Moist	LoadLat	LoadLatHem	LoadLng
ID 1	2/9/2016 9:29 AM	0	NE	0	PA	FIELD 1	0	4256.0796	N	8848.5061
ID 1	2/9/2016 9:29 AM	0	NE	0	PA	FIELD 1	0	4256.0796	N	8848.5061
ID 1	2/9/2016 9:30 AM	112000	NE	112000	PA	FIELD 1	0	4256.0796	N	8848.5061
ID 1	2/9/2016 9:30 AM	112000	NE	112000	PA	FIELD 1	0	4256.0796	N	8848.5061
ID 1	2/9/2016 9:31 AM	-13000	NE	125000	PA	FIELD 1	21.7	4256.0796	N	8848.5061
ID 1	2/9/2016 9:31 AM	-13000	NE	125000	PA	FIELD 1	21.7	4256.0796	N	8848.5061
ID 1	2/9/2016 11:09 ...	-15100	NE	145800	PA	FIELD 1	21.5	4256.0796	N	8848.5061
ID 1	2/9/2016 11:09 ...	-15100	NE	145800	PA	FIELD 1	21.5	4256.0796	N	8848.5061
ID 1	2/9/2016 11:10 ...	-5700	NE	145800	PA	FIELD 1	21.5	4256.0796	N	8848.5061

- 1. Summary Table** – Shows results of selections in tables 2 and 3
- 2. Items to Show** – Click on the box to show a check mark next to the items that will display in the summary table. Click on the box again to remove the item.
- 3. Filters** – Allows user to filter data in table 1 by date, field and ID.
- 4. Print Format** – Click on the down arrow at the right end of the box to see print format selects then click on same print format as the indicator uses. See indicator direct access number 216 or 2304 depending on model.
- 5. Reports** – Click on the button of the type of file needed to print report: Adobe Acrobat (PDF), Microsoft Excel (Spreadsheet), Web Browser (Print from PC Web Browser) CVS, (move date from one file to another). The report generated contains all the information in the summary table. The appropriate software must already be installed on the PC.
- 6. Save Report Definition** – Saves the setting in the **Items to Show** and **Filters** section. Program will ask for a name to save. This gives the ability to have multiple saved settings.
- 7. Open Report Definition** – Opens a saved report definition
- 8. Load Single File** – View the information from a single Retrieve Data action
- 9. Location** - Click on icon to see map of where loads: originated, field, crop, moisture and amount unloaded.

5.0 FIELDS



Click  to transfer Field information to/from the indicator via the USB drive.

The indicator contains a single “file” of 150 fields. The Harvest Tracker PC program allows creation of many “files” of 150 fields. Individual files are transferred via the USB drive.

Example Fields Screen:

Fields

Files

Default

Fam 1

Fam 2

+ (Add)

👤 (Users)

✖ (Remove)

↑ (Up)

↓ (Down)

Fields

	Field	Accumulator
▶ 1	SOUTH 30	20300
2	FIELD 2	0
3	FIELD 3	0
4	FIELD 4	0
5	FIELD 5	0
6	NORTH 60	36800
7	FIELD 7	0
8	FIELD 8	0
9	FIELD 9	0
10	FIELD 10	0
11	FIELD 11	0
12	FIELD 12	0
13	FIELD 13	0
14	FIELD 14	0
15	FIELD 15	0
16	FIELD 16	0
17	FIELD 17	0
18	FIELD 18	0
19	FIELD 19	0
20	FIELD 20	0
21	FIELD 21	0
22	FIELD 22	0
23	FIELD 23	0

✖ (Close)

↑ (Up)

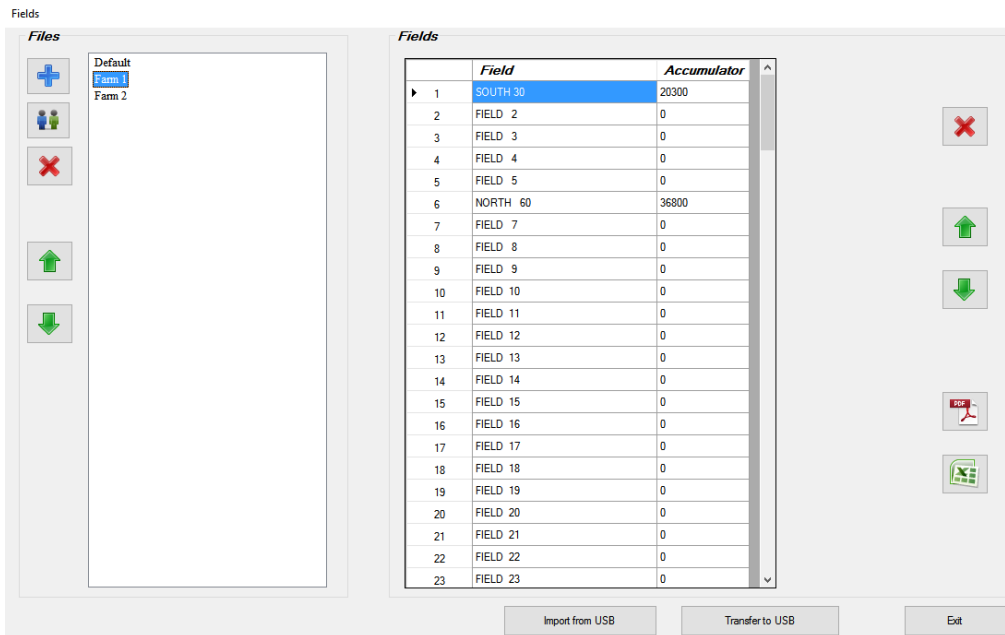
↓ (Down)

📄 (PDF)






📊 (Excel)

Import from USB Transfer to USB Exit




5.0.1 Fields Screen Information



Files Area



1. Click  to add a set of fields. Program will ask for a file name to represent these fields.
2. Click  to copy an existing file and give it a new name.
3. Click  to delete a file.
4. Click  or  to reorder the selected file up or down

Fields Area

1. Click in the cell to modify a **Field** or **Accumulator** value
2. Click  to delete a **Field/Accumulator**
3. Click  or  to reorder **Field**


Import from USB – click to transfer **Field** and **Accumulator** information from indicator to highlighted file via USB drive

Transfer to USB – click to transfer **Field** and **Accumulator** information from program to USB drive. Insert USB drive in indicator to transfer information.

NOTE: Click  or  to transfer Fields for printing

6.0 ID'S



Click  to transfer ID information to/from the indicator via the USB drive.

The indicator contains a single “file” of 150 ID’s. The Harvest Tracker PC program allows creation of many “files” of 150 ID’s. Individual files are transferred via the USB drive.

Example ID Screen:

ID's

Files

- Default
- Farm 1
- Farm 2

+ (add) | - (remove) | < (back) | > (forward) | ↕ (refresh)

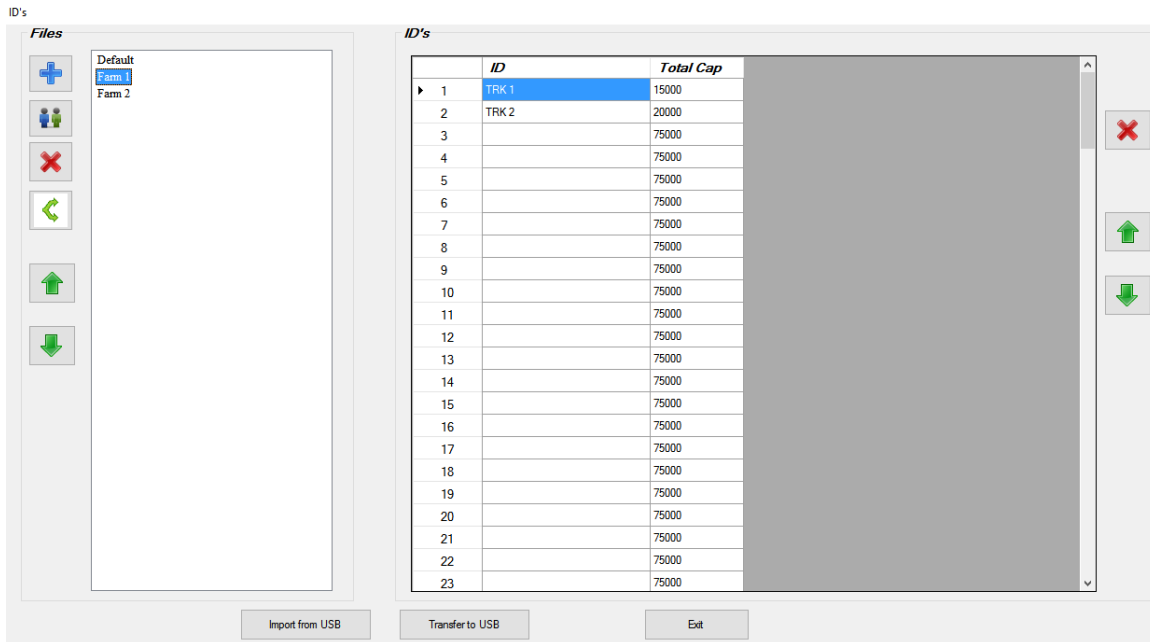
ID's

	ID	Total Cap
1	TRK 1	15000
2	TRK 2	20000
3		75000
4		75000
5		75000
6		75000
7		75000
8		75000
9		75000
10		75000
11		75000
12		75000
13		75000
14		75000
15		75000
16		75000
17		75000
18		75000
19		75000
20		75000
21		75000
22		75000
23		75000






⌫ (delete) | ⬆ (up) | ⬇ (down)

Import from USB
Transfer to USB
Exit




6.0.1 ID's Screen Information



Files Area

1. Click  to add a set of ID's. Program will ask for a file name to represent these ID's.
2. Click  to copy an existing file and give it a new name.
3. Click  to delete a file.
4. Click  or  to reorder the selected file up or down

ID's Area


1. Click in the cell to modify a **ID** or **Total Cap** value
2. Click  to delete a **ID/Total Cap**
3. Click  or  to reorder **ID**

Import from USB – click to transfer **ID** and **Total Cap** information from indicator to highlighted file via USB drive

Transfer to USB – click to transfer **ID** and **Total Cap** information from program to USB drive. Insert USB drive in indicator to transfer information.

7.0 CROPS



Click  to transfer Crop information to/from the indicator (GT560 only) via the USB drive.

The indicator contains a single “file” of 150 Crops. The Harvest Tracker PC program allows creation of many “files” of 150 Crops. Individual files are transferred via the USB drive.

Example Crops Screen:

Crops

Files

Default
 Farm 1
 Farm 2

+ - × ↑ ↓

Crop's

	Name	Std %	Dry Bushel Wt	Factor B	Factor C
▶ 1	CORN	20	56	4.51	6
2	SOY	14	60	2.29	7.7
3	WHEAT	14	60	7.04	4.1
4	OATS	12	32	5.52	8.4
5	BARLEY	13	48	3.75	10.2
6	CANOLA	9	50	2.12	10
7	RICE	20	45	7.91	2
8	HAYLAG	50	30	0	0
9	CRP 9	0	0	0	0
10	CRP 10	0	0	0	0
11	CRP 11	0	0	0	0
12	CRP 12	0	0	0	0
13	CRP 13	0	0	0	0
14	CRP 14	0	0	0	0
15	CRP 15	0	0	0	0
16	CRP 16	0	0	0	0
17	CRP 17	0	0	0	0
18	CRP 18	0	0	0	0
19	CRP 19	0	0	0	0
20	CRP 20	0	0	0	0
21	CRP 21	0	0	0	0
22	CRP 22	0	0	0	0

× ↑ ↓

Import from USB

Transfer to USB




Exit



7.0.1 Crops Screen Information

Crops

Files




Default
Farm 1
Farm 2






Crop's

	Name	Std %	Dry Bushel Wt	Factor B	Factor C
1	CORN	20	56	4.51	6
2	SOY	14	60	2.29	7.7
3	WHEAT	14	60	7.04	4.1
4	OATS	12	32	5.52	8.4
5	BARLEY	13	48	3.75	10.2
6	CANOLA	9	50	2.12	10
7	RICE	20	45	7.91	2
8	HAYLAG	50	30	0	0
9	CRP 9	0	0	0	0
10	CRP 10	0	0	0	0
11	CRP 11	0	0	0	0
12	CRP 12	0	0	0	0
13	CRP 13	0	0	0	0
14	CRP 14	0	0	0	0
15	CRP 15	0	0	0	0
16	CRP 16	0	0	0	0
17	CRP 17	0	0	0	0
18	CRP 18	0	0	0	0
19	CRP 19	0	0	0	0
20	CRP 20	0	0	0	0
21	CRP 21	0	0	0	0
22	CRP 22	0	0	0	0




  

Import from USB Transfer to USB Exit

Files Area

1. Click  to add a set of Crops. Program will ask for a file name to represent these ID's.
2. Click  to copy an existing file and give it a new name.
3. Click  to delete a file.
4. Click  or  to reorder the selected file up or down

Crop's Area

1. Click in the cell to modify a **Name**, **Std. %**, **Dry Bushel Weight**, **Factor B**, and **Factor C** values
2. Click  to delete a **Crop**
3. Click  or  to reorder **Crop**

Import from USB – click to transfer **Crop** information from indicator to highlighted file via USB drive

Transfer to USB – click to transfer **Crop** information from program to USB drive. Insert USB drive in indicator to transfer information.

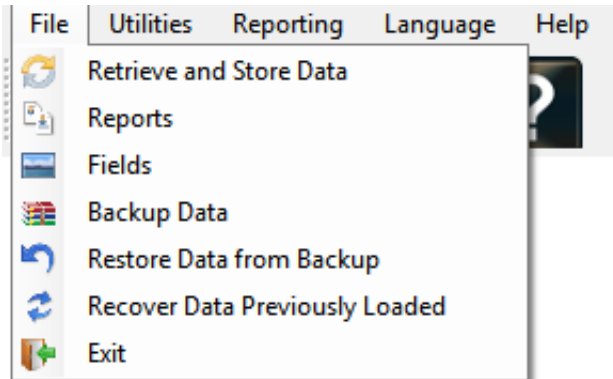
8.0 TRANSFER OF FIELD AND ID DATA FROM THE USB DRIVE TO THE GT INDICATOR



1. Insert USB drive. Indicator will automatically detect the USB drive. USB IN will be display.
2. Using the number key pad, press 9 to transfer Field names and ID names from USB drive to GT560 indicator.
3. When data transfer is complete, the LCD display will return to the Data Transfer menu.

Important: This action will overwrite Field names, ID names and Accumulator on the GT560 indicator.

9.0 FILE OPTIONS



Retrieve and Store Data – use to retrieve or store data to a selected PC file

Reports – view reports see section 4.0

Fields – transfer field information to or from the indicator, see section 5.0

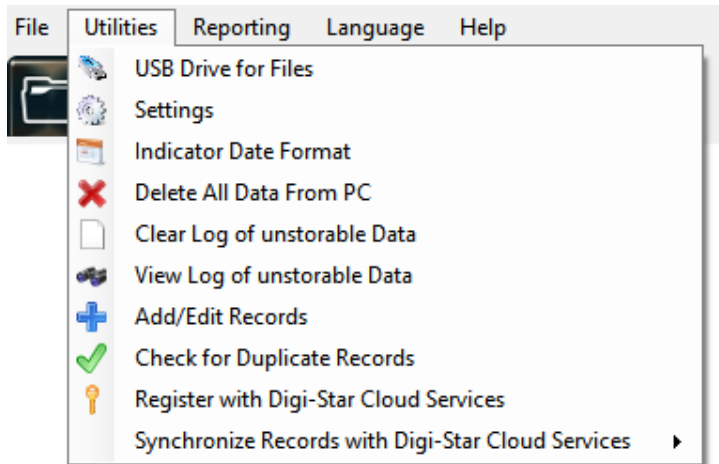
Backup Data – use to backup data to a selected PC file

Restore Data from Backup – use to restore previously save data, this will delete current data

Recover Data Previously Loaded – recovers USB data by date

Exit – exits the Harvest Tracker Program

10.0 UTILITIES OPTIONS



USB Drive for Files - browse for USB Drive containing Harvest Tracker files

Settings – use to select:

- Report Format
- Farm Name
- Indicator Print Format
- Use Touch Screen
- Indicator Model – 460,510,520,560

Indicate Date Format – MM/dd (Month/Day) or dd/MM (Day/Month)

Delete All Data from PC – use to delete selected data:

- Loads
- Fields
- ID's
- Seed Type (Touch Screen)
- Brands (Touch Screen)
- Varieties (Touch Screen)

Clear Log of Unstorable Data – delete unrecognized program data

View Log of Unstorable Data – click to view unrecognized program data

Add/Edit records – delete, add, edit:

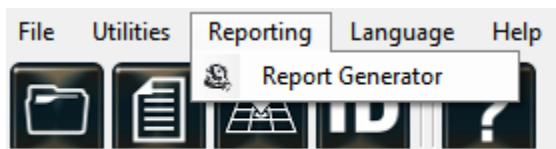
- ID's
- Date
- Weight
- Weight Tag
- Accumulated Weight
- Accumulated Tag
- Field Name

Check for Duplicate Records – enter beginning and end date to check for duplicate records

Register with Digi-Star Cloud Services – enter information indicated and click REGISTER

Synchronize Records with Digi-Star Cloud Service – schedule number of minutes to synchronize records of Harvest Tracker with Harvest Tracker Online, see section 13.0

11.0 REPORTING OPTIONS

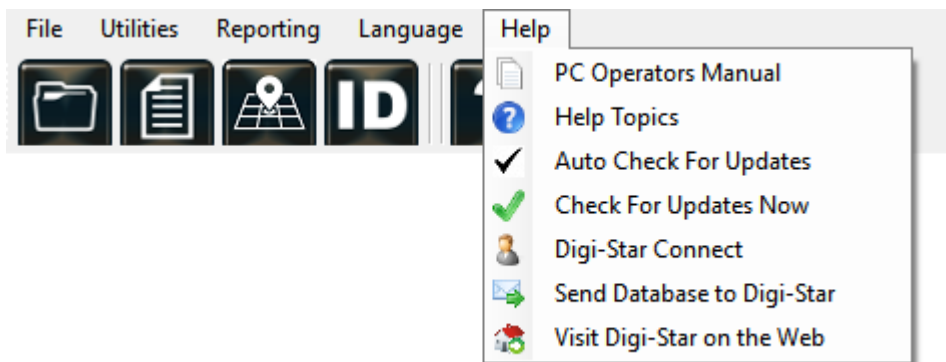


Report Generator – see section 4.0

12.0 LANGUAGE OPTIONS

Choose language: English, Spanish, Portuguese, Dutch, and German

13.0 HELP OPTIONS



PC Operators Manual – view this manual on a PC

Help Topics – click for various Harvest Tracker help topics

Auto Check for Updates – click to show check mark, click again to hide check mark, if a check mark is showing, program automatically check for updates

Check for Updates Now – click to update Harvest Tracker software

Digi-Star Connect – at direction of Digi-Star technical support, click for remote connection

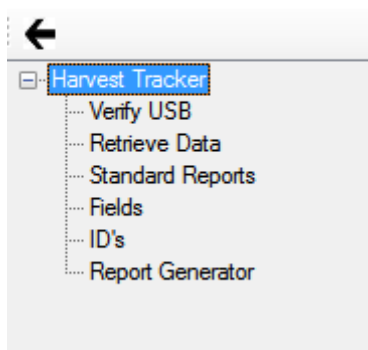
Send Database to Digi-Star- click to store a backup of program data at Dig-Star

Visit Digi-Star on the Web – click to connect to Digi-Star home page



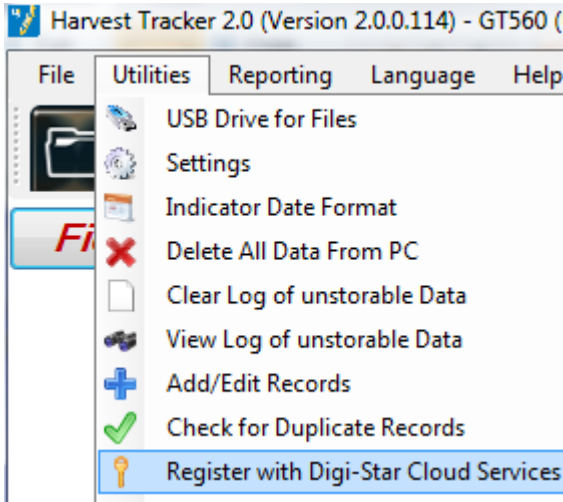
Click here for Harvest Tracker Help

 Harvest Tracker Help



14.0 REGISTRATION AND SYNCING WITH HARVEST TRACKER ON LINE

Harvest Tracker PC has the ability to synchronize its data with Harvest Tracker Online. To do this register via Utilities/Register with Digi-Star Cloud Services:



After registration is complete, you have the ability to:

1. Synchronize your records



2. Synchronize your Fields and ID's



15.0 SOFTWARE LICENSE AGREEMENT

Digi - Star LLC

SOFTWARE LICENSE AGREEMENT

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