Grain Program

Software Application Version 1.00

Operator Manual







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Version 1.00 September 26, 2016



1.0 Introduction

The Grain Program (PN 156886) is a custom software application for the 920i® using the iRite® language of the indicator to support weighing trucks of grain. The program stores 500 accounts, 1000 trucks, 200 grain types, the associated divisor and accumulation.



Manuals can be viewed and downloaded from the Rice Lake Weighing Systems website at www.ricelake.com

Warranty information can be found on the website at www.ricelake.com/warranties

1.1 Configuration

Two files must be downloaded to the 920i to configure the program:

- PN 156886.920
- PN 156886.cod

The database information must be included with the configuration as this program utilizes the databases.

A 1 M memory card option (PN 67600) is required with this software.

1.2 Serial Ports

Serial port 2 is the default printer port. The printer port settings must be changed if using the port for an optional keyboard. See Section 2.9 on page 6.



2.0 Operation

2.1 Truck Weighing

- 1. Press the Weigh softkey after a truck pulls onto the scale. The indicator displays Enter Truck Id.
- 2. Enter in the truck ID, then press enter
 - If the ID is new, the weigh-in weight is printed out port 1.
 - If the ID is found, the indicator displays Enter Grain No.
- 3. Enter the grain number, then press enter
 - If the grain number is not valid, the indicator displays Not Defined Re-Enter.
 - If the grain is valid, the indicator displays *Enter* % *Shrink*.
- 4. Enter the shrink percentage, then press enter. The indicator displays Enter % Dockage.
- 5. Enter the dockage percent, then press enter. The indicator displays *Enter* % *FM*.
- 6. Enter the foreign material percentage, then press enter . The indicator prompts *Enter % Moisture*.
- 7. Enter the moisture percentage, then press enter. The indicator prompts Is This a Contract.
- 8. Select the Yes or the No softkey.
 - If the No softkey is pressed, the weigh out ticket is printed.
 - If the Yes softkey is pressed, the indicator displays Enter Contract Number.
- 9. Enter the contract number, then press enter
 - If the contract number is found, the weigh out ticket is printed with the contract information.
 - If the contract number is new, the indicator displays On Fly Enter Contract ID.
- 10. Enter the new contract number, then press enter. The indicator displays *Enter Amount Required*.
- 11. Enter the required bushels for the contract, then press enter. The weigh out ticket with the contract information is printed.



If the enter key is pressed when the operator is prompted for a value, the value is set to 0. The indicator is programmed for the TM-U295 printer.

Sample weigh tickets are shown in Figure 2-1.



Weigh in ticket:

7460 lb 10:12AM SCALE S 1

Weigh out ticket with contract:

09/01/2016 10:10AM
Grain 1 BEANS
G 9940 lb R 60 LB/BU 145.00 BU
T 1240 lb 5.0 %DOCK 7.25 BU
N 8700 lb 5.0 %SHRK 7.25 BU
130.50 NET BU
% MOISTURE 15.0 % FM 3.0

CONTRACT NO. REQUIRED DELIVERED
1 6000 242.68

Weigh out ticket no contract:

Figure 2-1. Sample Weigh Tickets

2.2 Manual Tickets

- 1. Print a manual ticket by pressing the Manual Ticket softkey. The indicator displays *Enter Gross Weight*.
- 2. Enter the gross weight, then press enter. The indicator displays Enter Tare Weight.
- 3. Enter the tare weight, then press enter. The indicator displays Enter Truck ID.
- 4. Enter the Truck ID, then press enter. The indicator displays Enter Grain No.
- 5. Enter the grain number, then press enter. The indicator displays *Enter* % *Shrink*.
- 6. Enter the shrink percentage, then press enter. The indicator displays *Enter* % *Dockage*.
- 7. Enter the dockage percentage, then press enter. The indicator displays *Enter* % *FM*.
- 8. Enter the foreign material percentage, then press enter. The indicator displays Is This a Contract?.
- 9. Select the **Yes** or the **No** softkey.
 - If the No softkey is pressed, the weigh out ticket is printed.
 - If the Yes softkey is pressed, follow the prompts for the contract ticket.
- 10. The printed ticket is similar to the automatic ticket but weights have a *K* printed next to them indicating the values were keyed.

Note Using a manual ticket does not remove truck ID's from the truck database.

2.3 Supervisor Mode

The supervisor mode allows the operator to:

- add and delete grains and contracts
- print totals for all the grains or contracts
- clear the totals for individual or all grains or contracts.

To enter the supervisor mode:

- 1. Press the Supervisor Mode softkey. The indicator displays *Enter Password*.
- 2. Key in the password (default password is 2349171). The supervisor keys are displayed.

2.4 Editing Grains

2.4.1 Adding Grain

- 1. Press the Edit Grains softkey. The grain softkeys are displayed.
- 2. Press the Add Grain softkey. The indicator displays Enter Grain No.
- 3. Enter the grain number, then press enter. The indicator displays *Enter Grain Name*.
- 4. Enter the grain name, then press enter. The indicator displays Enter Divisor.
- 5. Enter the divisor, then press enter. The grain information is stored.

2.4.2 Removing Grain

- 1. Press the Edit Grains softkey. The grain softkeys are displayed.
- 2. Press the Remove Grain softkey. The indicator displays Enter Grain No.
- 3. Enter the grain ID, then press enter. The indicator displays Enter Grain ID to Delete.
- 4. Enter the grain name, then press enter. The grain is removed from the database.
- 5. Enter the divisor, then press enter. The grain information is stored.

2.4.3 Clear Grain Totals

- 1. Press the Edit Grains softkey. The grain softkeys are displayed.
- 2. Press the Clear All Totals softkey. The indicator displays *Clear Grain Totals*.
- 3. Select the Yes or the No softkey.
 - Press the Yes softkey to confirm deletion of all grain totals.
 - Press the No softkey to return to the grain softkeys without deleting.

2.4.4 Print Grain Totals

- 1. Press the Edit Grains softkey. The grain softkeys are displayed.
- 2. Press the Print All Totals softkey. The grain report is printed.

GRAIN REPORT 11:56AM 11/01/2002 **********************************				
NO. NAME	DIVISOR	ACCUMULATION		
1 BEANS 2 CORN	60 75	242.39 0.00		
TOTAL ALL GRAINS 242.39				

Figure 2-2. Sample Grain Report



2.4.5 View. Clear or Print Individual Grain

- 1. Press the Edit Grains softkey. The grain softkeys are displayed.
- 2. Press the Add Grain softkey. The indicator displays Enter Grain No.
- 3. Enter the grain number, then press enter. The indicator displays the grain information.
 - Press Print an individual grain report.
 - Press CLR to clear the total for the individual grain.

2.5 Editing Contracts

2.5.1 Add a Contract

- 1. Press the Edit Contracts softkey. The contract softkeys are displayed.
- 2. Press the Add Contract softkey. The indicator displays Enter Contract Number.
- 3. Enter the contract number, then press enter .The indicator displays *Enter Contract Req'd Amount*.
- 4. Enter the amount of bushels required for the contract, then press enter. The contract is stored.

2.5.2 Remove a Contract

- 1. Press the *Edit Contracts* softkey. The contract softkeys are displayed.
- 2. Press the Remove Contract softkey. The indicator displays Enter Contract # to Delete.
- 3. Enter the contract number, then press enter. The contract is removed from storage.

2.5.3 Clear Contract Totals

- 1. Press the Edit Contracts softkey. The contract softkeys are displayed.
- 2. Press the Clear All Totals softkey. The indicator displays Clear Contract Totals.
- 3. Select the **Yes** or the **No** softkey.
 - Press the Yes softkey to confirm deleting all the totals.
 - Press the No softkey to retain the totals and return to the contract softkeys.

2.5.4 Print Contract Report

- 1. Press the *Edit Contracts* softkey. The contract softkeys are displayed.
- 2. Press *Print All Totals*. The contract report prints.

CONTRACT REPORT 12:36PM 09/01/2016 ************************************				
NUMBER	REQ'D	DELIVERED	REMAINING	
5 1	8000 4000	0.00 0.00	8000.00 4000.00	
TOTALS	12000	0.00	12000.00	

Figure 2-3. Sample Contract Report



2.5.5 View or Print Individual Contract

- 1. Press the *Edit Contracts* softkey. The contract softkeys are displayed.
- 2. Press the *Add Contract* softkey. The indicator displays *Enter Contract Number*.
- 3. Enter the contract number, then press enter. The indicator displays the contract information.
 - Press Print an individual contract report.
 - Press clear the total for the individual contract.

2.6 Change the Supervisor Password

- 1. Press the Change Password softkey. The indicator displays Enter New Password.
- 2. Enter the new password, then press enter. The indicator displays Re-Enter To Verify.
- 3. Enter the new password again, then press enter. The new password is stored. If the two passwords do not match, the operator is prompted to start over.
- Important Remember the new password. It cannot be recovered.

2.7 Change the Time and Date

- 1. Press the Time/Date softkey. The indicator displays the current time until the new time is entered in 24-hr. format.
- 2. Enter the time (HHMM), then press enter. The indicator displays the current date until the new date is entered.
- 3. Enter the date (MMDDYY), then press enter . The new time and date is stored.

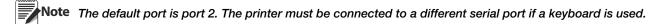
2.8 Set Shrink Calculation

- 1. Press the More=> softkey.
- 2. Press the Shrink Calculation softkey. The Off Gross Weight and the After Dockage softkeys are displayed.
 - Press Off Gross Weight to calculate the shrink off gross weight.
 - Press After Dockage to calculate the shrink after dockage has been removed.



2.9 Select the Printer Port

- 1. Press the Printer Port softkey. The indicator displays the current printer port.
- 2. Press a softkey to change the printer port.



2.10 Removing a Truck

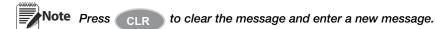
- 1. Press the Remove Trucks softkey.
- 2. Scroll through the truck database using the Previous and Next softkeys until the desired truck is displayed.
- 3. Press the Delete softkey. The indicator displays Are You Sure You Want To Delete?.
 - Press Yes to remove the truck from the database
 - Press No to leave it in the database.
- 4. Press the Exit=> softkey to exit.



2.11 Editing the Message

A message is printed when a weigh out ticket is printed without a contract. This message can be edited in the supervisor mode.

- 1. Press the Message softkey. The indicator displays *Enter Message*.
- 2. Enter the message on the upper status line. The end of the greeting is displayed on the lower status line.
- 3. Press enter to save the message.





3.0 Setup

3.1 Hardware Setup

Slot	Туре
1	Single Channel A/D Card
2	1 M Memory Card

Table 3-1. Option Card Locations

Port	Туре	Description	Setup
1	CMD	Not used	9600,8,N,2
2	CMD	Default: TM-U295 Printer. Option: Set to Keyboard for QWERTY keyboard use	115200,8,N,2
3	CMD	Not used	9600,8,N,2
4	CMD	Not Used	9600,8,N,2

Table 3-2. Serial Port



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September 26, 2016 PN 159468