

AFS Field Performer Software For AFS Pro 600 Display

Operator's Manual

**Trip Computer Software Version 25
Large Tractors Software Version 25**



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SOFTWARE OPERATING GUIDE

AFS Pro600

Contents

1 GENERAL	
Manual scope	1-1
2 ICONS AND WINDOWS	
VEHICLE ICONS	
Status and warning icons	2-1
PERFORMANCE AND VEHICLE WINDOWS	
Left hand area	2-2
Performance windows	2-3
Vehicle and framework windows	2-15
3 SETUP	
REMOTE VALVES	
Variable flow controls	3-1
Remote valve timers	3-3
IMPLEMENTS AND THE HITCH NOTEBOOK	
Implements	3-5
Hitch notebook	3-12
TRACTOR SETUP	
Driveline settings	3-20
Slip limit	3-23
Auto PTO settings	3-24
4 OPERATION	
PERFORMANCE APPLICATION	
Overview	4-1
Productivity	4-4
Performance instant	4-8
Fuel range	4-9
Performance overall	4-10
Summary screens	4-12
HEADLAND TURNING SEQUENCES	
Introduction	4-17
Recording a sequence	4-19
Downloading a sequence	4-22
Playing a sequence	4-25
Managing sequences	4-27
SERVICE REMINDERS	
Maintenance schedule	4-28
Service reminder operation	4-35
Sharing the display between vehicles	4-39

1 - GENERAL

Manual scope

This manual covers the AFS Field Performer functions for the large tractor application. The manual assumes that you have read and understood the contents of the display manual in preparation for this manual.

Your manuals have changed to a layered approach to match the layered architecture in your new farming software. Each manual builds on the knowledge learned in the previous manual; the display manual is required reading for this application manual.

This application manual is organized as follows:

- Chapter 2 explains the control and reporting windows available from the Field Performer application for monitoring productivity and performance during crop production.
- Chapter 3 explains how to use new features for the remote valves, rear hitch, Autoshift and auto-PTO.
- Chapter 4 explains how to use the Field Performer application to monitor productivity and performance; how to use new features for the electronic end of row (EOR) system; and how to use the service and maintenance features.

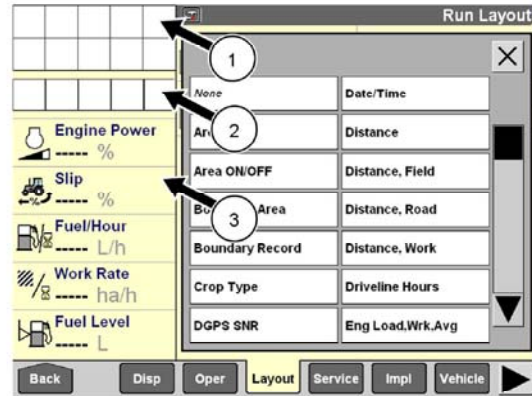
2 - ICONS AND WINDOWS

VEHICLE ICONS







Status and warning icons

The left hand area is visible on all screens and is split into three areas for your tractor:

- the status icon area (1),
- the horizontal sequence bar used with the electronic end of row feature (2). Refer to page 4-17 for information on this feature,
- and the window area providing operator selected performance information, productivity information or maps (3).



Six status icons are specific to the large tractor application and display in the status area when appropriate.

	Implement position icons show the current position of the hitch-mounted or towed implement. The up arrow indicates the implement is raised.
	The down arrow indicates the implement is lowered. Implement position is determined by the position of the hitch, the position of the EHR #1 lever or by input from the implement status switch.
	This area control icon flashes whenever the Area Control ON/OFF window is set to off. The operator must turn area control on to accumulate any area or time data for the current task.
	The roading icon displays whenever the operator selects on in the Road Mode window to indicate the vehicle is roading to or from the field for the task. The icon disappears whenever the selection in the Road Mode window is changed to off.
	Service alert icons inform an operator when scheduled service or maintenance is approaching. The icons count down from 10 hours to 1 hour when a service interval is about to expire.
	When service is due, the icon changes to a flashing service wrench. Refer to page 4-28 for more information on the icons and the maintenance functions within the large tractor application.

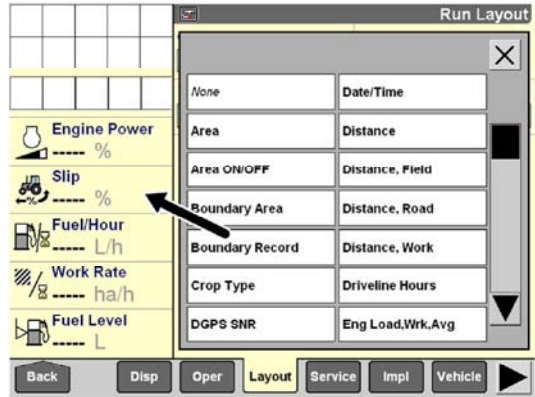
PERFORMANCE AND VEHICLE WINDOWS

Left hand area

The arrangement of the windows in the left hand area can be changed by the operator.

Any single-column window or map which can be placed on the Run and/or Summary screens can be placed in the left hand area.

Refer to the display manual and its explanation of the Run Layout screen in the Toolbox to review window placement in the left hand area.

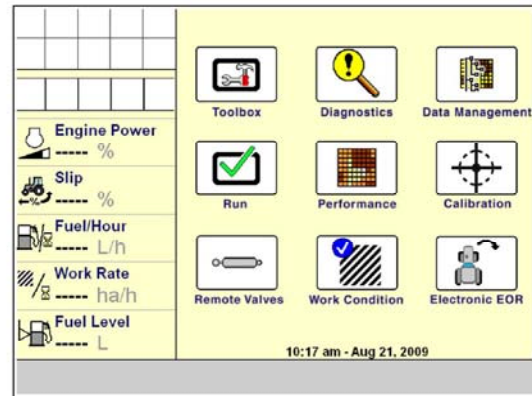


Performance windows

Home screen

The icons on the home screen organize the screens for all farming applications by their function.

Any vehicle specific software (for example, autoguidance, performance, planting, or harvesting software) can add its components to these navigation icons.



Press the Toolbox icon to access screens for setting display preferences and operator preferences, for customizing the Run screens, for setting up the GPS receiver, etc. The selections vary with the applications installed. The Toolbox provides the location where shared tools used by other applications can be configured.



Press the Run icon to access the six user screens for all applications resident on the display. These are the screens normally used while operating the equipment.



NOTE: The names for the Run screen navigation icons cannot be edited.

Press the Diagnostics icon to access screens for checking software revisions, controller status, specific sensor signals, resource usage, GPS signal status (if equipped), GPS receiver interface (if equipped), and for checking and clearing fault codes.



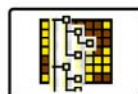
Press the Calibration icon to access the screens for vehicle and application specific calibrations such as distance, area, crop, steering sensor, etc.



Press the Performance icon to access screens for viewing the active data set and analyzing operational results.



Press the Data Management icon to access screens for importing data, filtering data, deleting data, and managing map items.



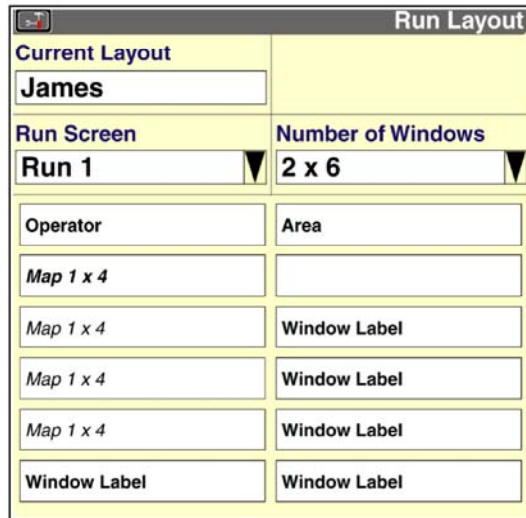
NOTE: The remaining icons are more vehicle specific. Refer to the vehicle or farming application manual.

Field Performer windows

The Field Performer windows from the Precision Farming and Trip Computer applications may be placed on any of the Run and/or Summary screens or the left hand area as indicated. Refer to the display manual and its explanation of the Run Layout screen in the Toolbox to review window placement.

Area/work control and reporting windows

The Area, Work and Road Control windows determine how all information is gathered on area and time spent in work and out of work for the current task. This information is used then to calculate fuel economy, power and productivity.



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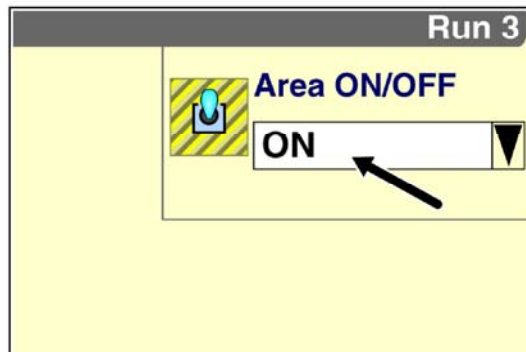
Area On/Off

Placement label: Area On/Off

Placement location: Run screens or left hand area

The Area On/Off window is used to determine whether area and time are accumulated for the current task.

DGPS spatial data provides distance and time information. Swath width is determined by selecting an Implement to perform the work. The Area On/Off window then determines whether work data is accumulated for area and time reporting windows. This window acts as the master control for whether production data is accumulated.



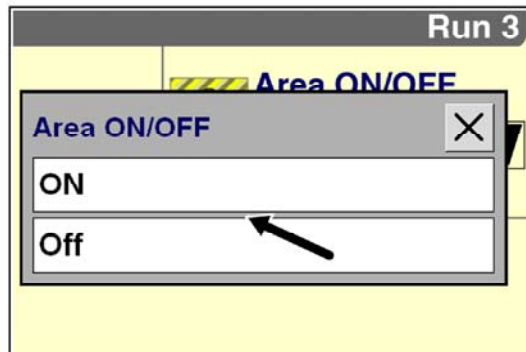
RCIL09DSP002BAA 3



The Area On/Off window has two settings: OFF and ON. Select the Area On/Off window to access the pop-up option window.

Select the desired option from the window.

When Area On/Off is set to OFF, no area or time data is accumulated for the current task. When Area On/Off is set to ON, area and time data is accumulated for the current task.



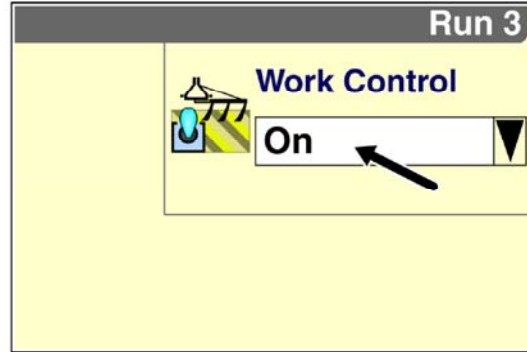
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Work Control

Placement label: Work Control

Placement location: Run screens or left hand area

With the Area On/Off window set to ON, the Work Control window determines when area and time are accumulated for the current task.

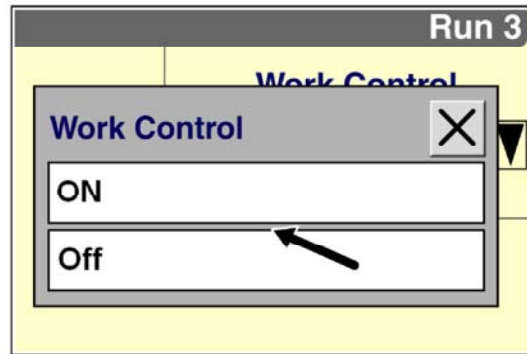


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Work control operates automatically based on the input from the hitch position sensor, EHR #1 lever position or the implement status switch. When the implement is lowered, the Work Control window will read "ON." When the implement is raised, the Work Control window will read "OFF."

Information is gathered on area and time for the current task whenever the tractor is moving and one of three conditions is present:

- the hitch is down as sensed by the standard hitch position sensor,
- the lever for EHR #1 is in the retract or float position,
- or the implement status switch, if equipped, indicates the implement is down.



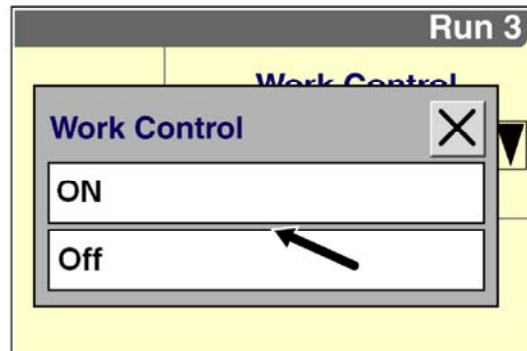
RCIL09DSP003BAG 6

Although the Work Control window has two settings – ON or OFF, automatic operation begins based on the position of the implement, regardless of the current selection in the window.

With the implement raised, if Area On/Off is turned ON and work control is turned OFF, data accumulation will begin when the implement is lowered the first time.

With the implement raised, if Area On/Off is turned ON and work control is turned ON, data accumulation will begin when the tractor is moved. Automatic operation will begin the first time the implement is lowered and raised.

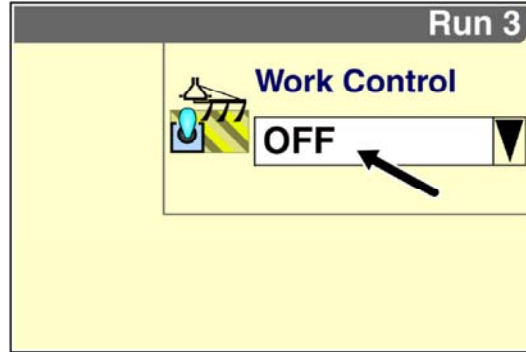
With the implement lowered, if Area On/Off is turned ON and work control is turned OFF, the implement must be raised and then lowered to begin data accumulation.



RCIL09DSP003BAG 7

The OFF selection is normally used by the operator to temporarily stop data accumulation while the implement is lowered. The may be required to cross a non-arable section of the field or when driving an over-lapping pass.

Select the Work Control window to access the pop-up option window. Select "OFF" from the option window to temporarily stop data accumulation. Select the window again to return work control to automatic operation.



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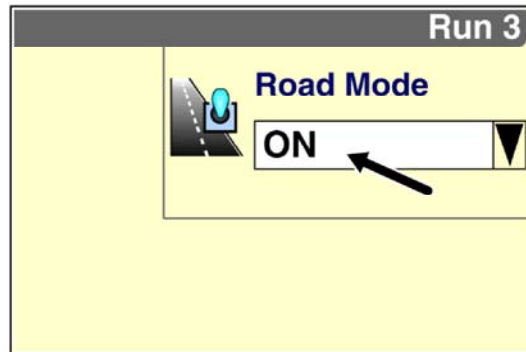
Road Mode

Placement label: Road Mode

Placement location: Run screens or left hand area

The gathered information from the Area On/Off and Work Control windows is further separated into working time and distance as opposed to roading time and distance by use of the Road Mode window.

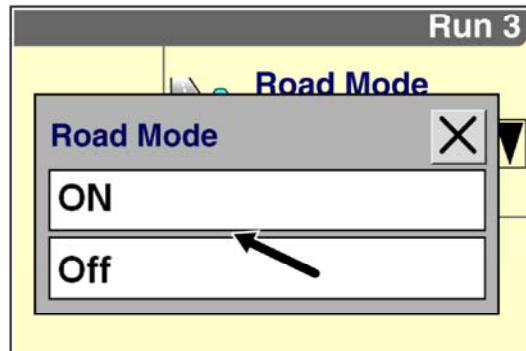
The Road Mode window is used by the operator to indicate when roading occurs for the current task. The Road Mode window has two settings: ON or OFF. Based on this window's setting, the software tracks the distance and time spent roading for the current task separately from the distance and time spent working.



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Select the Road Mode window to access the pop-up option window. Select the desired option from the window. The operator selects ON while the tractor is roading to or from the current task. An icon displays in the Status area to indicate that Road Mode is ON. The operator selects OFF when the tractor is performing the current task.



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Area

Placement label: Area

Placement location: Run and Summary screens or left hand area

On the Run screens or left hand area, this window reports accumulated area in hectares or acres for the current task. The area counter is reset to 0 (zero) when a new task is created or selected.

On the Summary screens, this window reports accumulated area in hectares or acres for the selected filters: crop, tag, grower, farm, field and task.

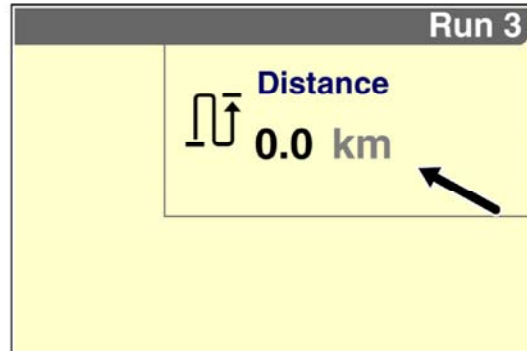


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Distance

Placement label: Distance
 Placement location: Run screens or left hand area

This window reports accumulated distance in kilometers or miles for the current task. The distance counter is reset to 0 (zero) when a new task is created.



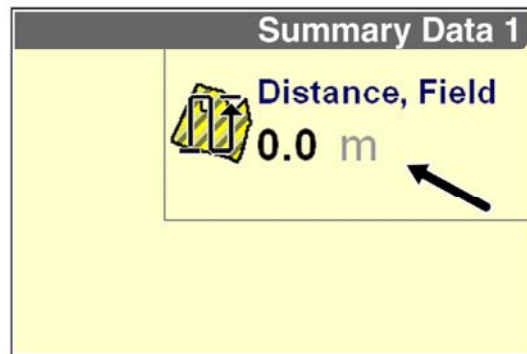
RCIL090SP008BAG 12

Distance, Field

Placement label: Distance, Field
 Placement location: Run and Summary screens or left hand area

On the Run screens or left hand area, this window reports accumulated distance in kilometers or miles for the current task.

On the Summary screens, this window reports accumulated distance in kilometers or miles for the selected filters: crop, tag, grower, farm, field and task.



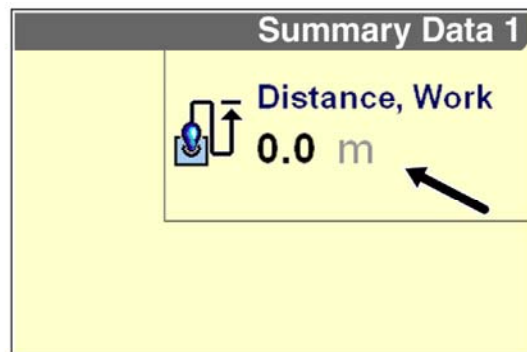
RCIL090SP009BAG 13

Distance, Work

Placement label: Distance, Work
 Placement location: Run and Summary screens or left hand area

On the Run screens or left hand area, this window reports the total distance spent in work (as opposed to out of work) for the current task.

On the Summary screens, this window reports the total distance spent in work (as opposed to out of work) for the selected filters: crop, tag, grower, farm, field and task.



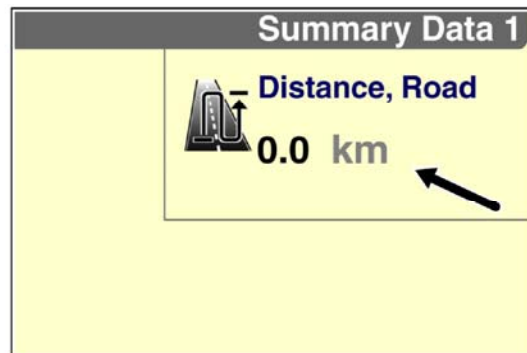
RCIL090SP011BAG 14

Distance, Road

Placement label: Distance, Road
 Placement location: Run and Summary screens or left hand area

On the Run screens or left hand area, this window reports the total distance spent out of work (roading distance) in kilometers or miles for the current task.

On the Summary screens, this window reports the total distance spent out of work (roading distance) in kilometers or miles for the selected filters: crop, tag, grower, farm, field and task.



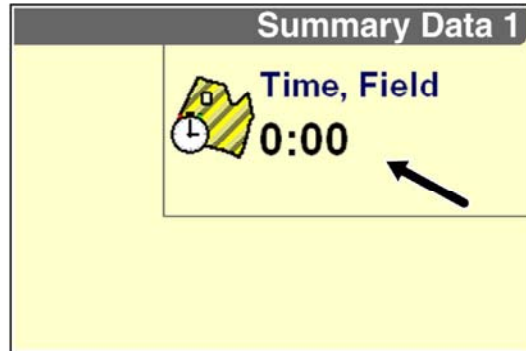
RCIL090SP010BAG 15

Time, Field

Placement label: Time, Field
 Placement location: Run and Summary screens or left hand area

On the Run screens or left hand area, this window reports the total time spent in hours and minutes for the current task.

On the Summary screens, this window reports the total time spent in hours and minutes for the selected filters: crop, tag, grower, farm, field and task.



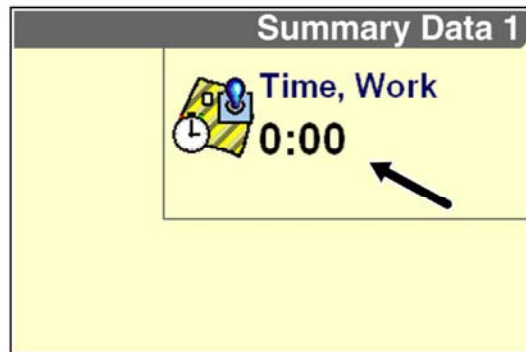
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Time, Work

Placement label: Time, Work
 Placement location: Run and Summary screens or left hand area

On the Run screens or left hand area, this window reports the total time in hours and minutes spent in work (as opposed to out of work) for the current task.

On the Summary screens, this window reports the total time in hours and minutes spent in work (as opposed to out of work) for the selected filters: crop, tag, grower, farm, field and task.



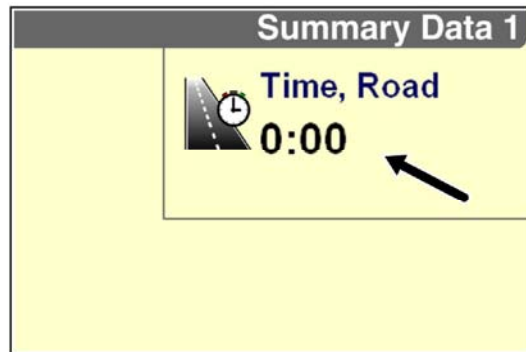
RCIL09DSP014BAG 17

Time, Road

Placement label: Time, Road
 Placement location: Run and Summary screens or left hand area

On the Run screens or left hand area, this window reports the total time in hours and minutes spent out of work (roading time) for the current task.

On the Summary screens, this window reports the total time in hours and minutes spent out of work (roading time) for the selected filters: crop, tag, grower, farm, field and task.

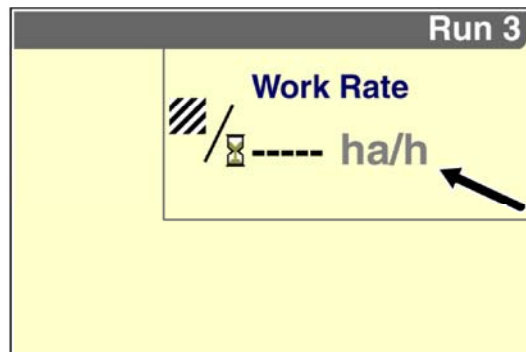


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Work Rate

Placement label: Work Rate
 Placement location: Run screens or left hand area

The Work Rate window reports the area worked at this moment in hectares per hour or acres per hour for the current task.



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