

3. Operation

Wet corn	
Separator configuration	Bar and wire
Top sieve position	28 mm
Bottom sieve position	32 mm

3.9.1.28 Wheat

It is recommended that you use these settings, but adjust the settings if it is necessary.

Wheat	
Rotor speed	920 rpm to 975 rpm
Cleaning fan speed	950 rpm
Concave clearance	10 mm
Concave configuration	Small grain
Separator configuration	Finger
Top sieve position	16 mm
Bottom position	10 mm

3.9.2 Configure the terminal for the AgLeader yield monitor

3.9.2.1 Start calibration screen

The ISOBUS yield monitor shows this screen if the calibration procedure is not complete or is out of date.


Touch  to start the vibration calibration procedure.



Fig. 32

3.9.2.2 Run screen

This screen shows when the calibration procedure is done correctly.

The run screen shows this data:

- Crop type
- Density
- Yield at time
- Moisture at time
- Average yield
- Average moisture
- Area
- Weight
- Volume
- Start/stop calibration load

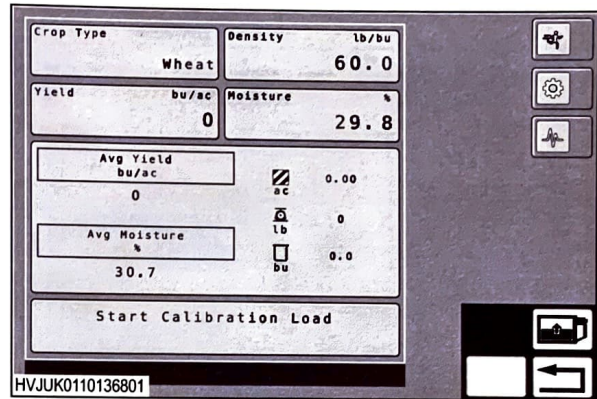


Fig. 33

3.9.2.3 Calibration screen

To see the calibration screen touch the icons in this sequence:

1. Touch icon  on the **Home Menu**.
2. Touch icon .
3. Touch icon  for the calibration screen.

NOTE: Wet and dry corn are 2 different crop types.

The procedures on the calibration screen include:

- Yield calibration
- Vibration calibration
- Moisture calibration
- Temperature calibration

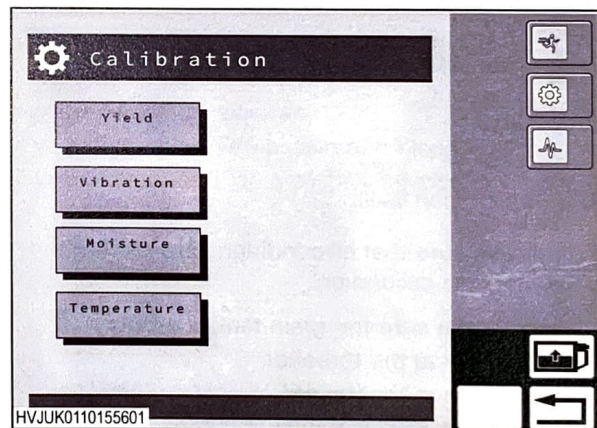





Fig. 34

Calibrate the yield monitor in the correct sequence:

1. Vibration calibration for each type of crop, for each harvest.
2. Yield calibration for each type of crop, for each harvest.
3. Moisture calibration.
4. Temperature calibration.

3.9.2.4 Diagnostics screen

1. Touch icon  on the **Home Menu**.
2. Touch icon .
3. Touch icon  on the run screen for diagnostics.

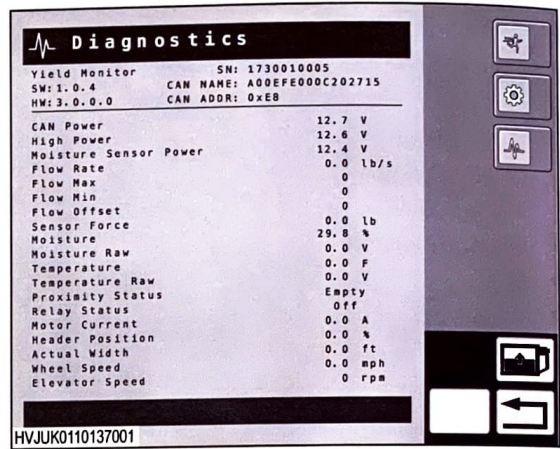



Fig. 35

3.9.3 Calibrations


3.9.3.1 Vibration calibration

You must complete the vibration calibration before all other calibrations and before you use the yield monitor system.

When you touch icon  on the **Home Menu** the vibration screen shows.

Touch icon  to see the calibrations screen. Then touch the vibration calibration icon.

Procedure

1. Touch icon .
2. Make sure that all conditions are correct to start the calibration:
 - a) Make sure the grain tank is empty
 - b) Engage the thresher
 - c) Engage the header
 - d) Increase the engine speed to full throttle

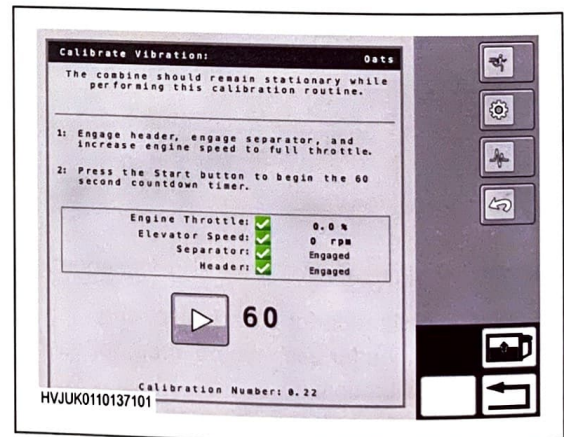



Fig. 36

3. Touch icon .
- The vibration calibration screen shows a countdown from 60 seconds.

Result of the procedure

When the vibration calibration procedure is complete, the terminal shows the run screen.

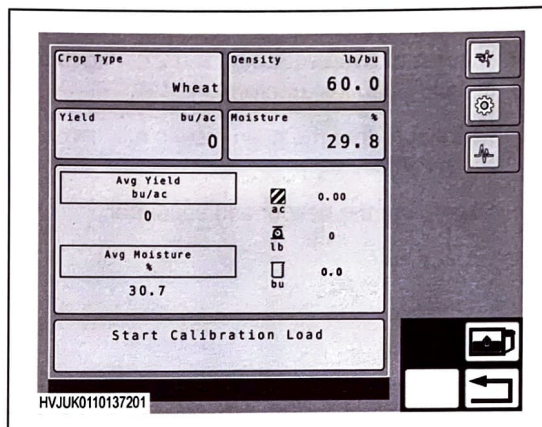


Fig. 37

3.9.3.2 Yield calibration

If the calibration load error is 3% or less after all calibration loads are set to ON, set the yield precision by calibration of the loads:

- One calibration load will give an average between High and Low in the field.
 - Harvest at usual operation speed.
- Two calibration loads: High precision for standard flow rates.
 - Harvest at usual operation speed.
 - Second load harvest at 50% of usual operation speed.
- More than two calibration loads: If the grain flow rates show less than required.
 - When the grain flow shows more than the usual at operation speed, do a calibration load.
 - When the grain flow shows less than 50% of usual operation speed, do a calibration load.

Calibration load scale:

- For the grain tank calibration load: 1360 to 2721kg.
- For the grain trailer calibration load: Full grain tank.

Before you start the procedure

Make sure that you run the vibration calibration before you complete the initial yield calibration.

Procedure

1. Touch icon  on the **Home Menu**.
2. Touch icon .
3. Touch icon  for yield calibration.

3. Operation

4. To start the yield calibration procedure, touch **Start Calibration Load**.
5. Harvest between 1360 kg and 2721 kg (3000 lbs and 6000 lbs) of crop.
6. Make sure that the grain moves fully through the machine.
7. Disengage the header and separator.

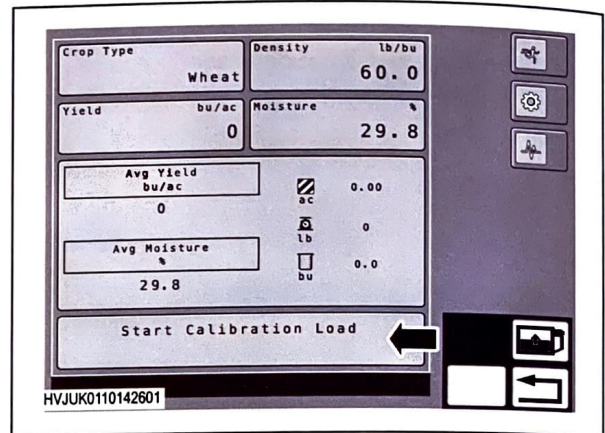




Fig. 38

8. Touch **Stop Calibration Load**.
9. Empty the grain tank and weigh the grain.
10. If necessary, touch icon  to start a new yield calibration. One yield calibration is sufficient for a 2% error rate.
11. Touch icon  to go to the calibration screen.

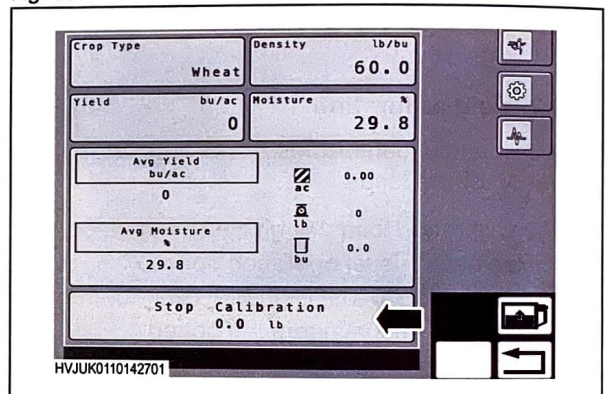




Fig. 39

12. Touch **Yield** on the calibration screen.
13. Touch  and/or  to select the load.

Examine the load error rate:

1. Do not select loads with an error rate that is more than 5%.
2. If all the loads have error rates that are more than 5%, do the yield calibration procedure again.
3. If all the loads again have error rates that are more than 5%, select the most accurate load.

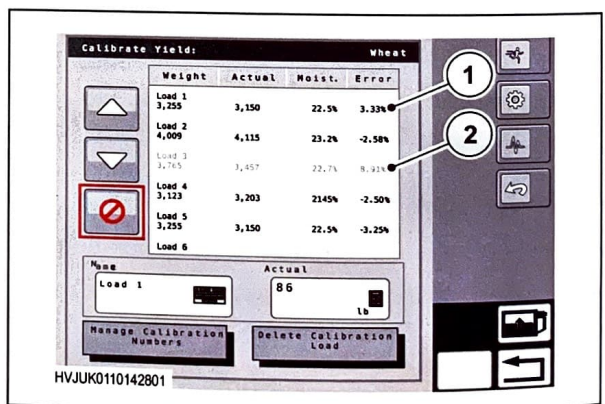





Fig. 40







The calibration:

- Uses the loads that are in black text (1) with the icon  below the arrow icons.
- Does not use the loads that are in gray text (2) with the icon  below the arrow icons.

14. Touch  to go back to the **Home Menu**.

3.9.3.3 Moisture calibration

Procedure

1. Touch icon  on the **Home Menu**:
2. Touch icon .
3. Touch icon .
4. Touch **'Moisture'**.
5. Touch the box (1).
6. Touch icon (2) to enter the crop moisture value.
7. Touch .
8. Touch .
9. Touch  to go back to the **Home menu**.

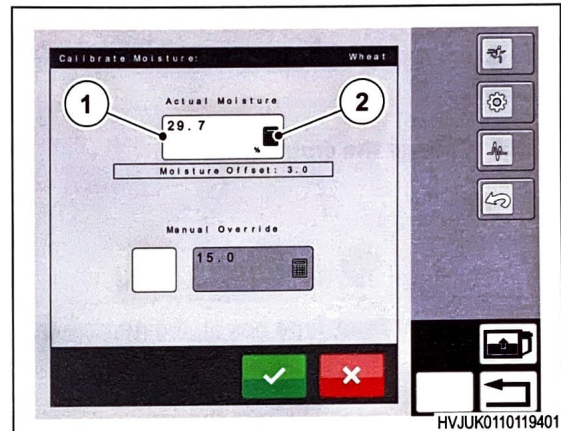








Fig. 41

3.9.3.4 Temperature calibration

Procedure

1. Touch icon  on the **Home Menu**.
2. Touch icon .
3. Touch icon .
4. Touch **Temperature**.

3. Operation

5. Calculate the difference between the calibrated temperature value (1) and the atmospheric temperature (there must be no grain in the clean grain elevator).
6. Touch the box (2).
7. Touch icon (3) to enter the difference between the atmospheric temperature and the calibrated temperature value.
8. Touch .
9. Touch .
10. Touch  to go back to the **Home Menu**.

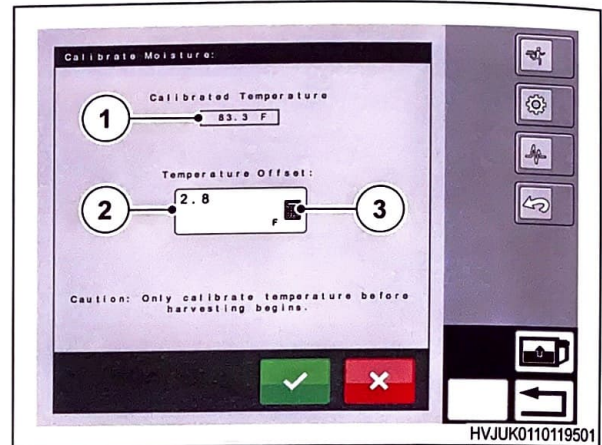






Fig. 42

3.9.3.5 Change the crop type

Procedure





1. Touch icon  on the **Home Menu**.
2. Touch the **Crop Type** box on the run screen for the yield monitor.
3. Touch the crop type box.
4. Touch the crop type from the list.
5. Touch .
6. Touch .
7. Touch  to go back to the **Home Menu**.

3.9.3.6 Change the crop density

NOTE:





The **Density** adjustment is only available when you select a volume for the **Yield** measurement.

Procedure

1. Touch  on the **Home Menu**.
2. Touch **Density** box on the run screen for the yield monitor.
3. Touch the density box.
4. Use the number pad to enter the crop density.
5. Touch .
6. Touch .
7. Touch  to go back to the **Home Menu**.

3.9.3.7 Change the yield type

Procedure

1. Touch  on the **Home Menu**.
2. Touch **Yield** box on the run screen for the yield monitor.
3. Touch the yield type box.
4. Touch the yield type from the list.
5. Touch .
6. Touch .
7. Touch  to go back to the **Home Menu**.

3.9.4 Feeder house

3.9.4.1 Operate the header and feeder reverser

The header/feeder reverser motor can turn the header and feeder components in the opposite direction.

Operate the header/feeder reverser motor to remove the material from the header or the feeder when there is a blockage.

The function will not operate if the material causing the blockage is wound tightly in the machine, or if drive system is broken.

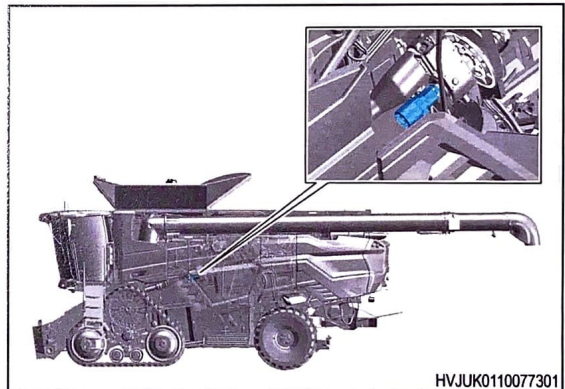


Fig. 43

Procedure


1. Press the STOP button to stop the header.
2. Move the header switch to the OFF (middle) position to disengage the header drive.
3. Set the engine to idle speed.
4. Use the terminal to select header 2 screen.
5. Touch  on the header 2 screen to engage the creeper mode.



Fig. 44

6. **NOTE:** *The header switch is sensitive. The more you move the switch the faster the feeder operates.*
Pull the header switch up, to release the latch and pull back (3) to operate the header and feeder in reverse gear.