



AXIAL-FLOW COMBINES Grain Scan Monitor

Monitors combine operation efficiency in all crops and conditions

Controls field losses in all crops

Measures grain loss at rotor and chaffer



GRAIN SCAN MONITOR

The Case International Grain Scan monitor is a sophisticated electronic instrument. It helps Axial-Flow combines operate at the highest possible efficiency in a wide variety of crops and crop conditions. It constantly monitors material leaving the combine for grain loss and displays the rate of loss. At any time, the operator can determine combine performance at any selected operating point or given area. Unacceptable and expensive crop loss is spotted instantly for corrective action. Excessive separating and cleaning loss indications alert the operator to increase or decrease ground speed or make further combine adjustments — rotor speed, rotor clearance, chaffer setting or fan speed to reduce losses. More bushels can then be saved to increase profitability.

Grain Scan monitors allow fine tuning for varying crops and crop conditions. The grain sensitivity dial can be set for corn, soybeans and cereal grains, as well as fine seeds. The meter-set dial matches meter reading to acceptable grain losses for particular crop conditions.

HOW GRAIN MONITOR WORKS

The monitor has four sensors that examine material for unseparated grain. Two sensors are mounted at the rear of the rotor and two more are located behind the chaffer. As grain and crop residue pass through the rotor or leave the chaffer, some of the material strikes the surface of the sensors to generate an electrical signal. The differing densities of the various materials produce signals of differing strengths and frequencies. The cab-mounted monitor analyzes the signals — rejecting those made by residue and displaying those of the grain on the loss meter.

MONITORS TRUE GRAIN LOSS

The monitor considers combine ground speed and displays loss related to a specific area covered by the combine. Other monitors measure grain loss based only on time. This design is not affected by speed changes, thus providing a more accurate reading.

EASY MONITOR OPERATION

After operator adjusts combine to harvest a particular crop, he sets the Grain Scan monitor to correspond by using the grain sensitivity dial and meter-set dial. With the sensor selector switch, he then checks grain loss at the rotor or chaffer, or both at once. If monitor is correctly matched to combine, the displayed value will be just under combine's maximum capacity . . . the loss indicator will be in the light green area.

Four lights indicate that each monitor channel is operating properly.

The Grain Scan monitor is available for factory or field installation.

The J I Case Company reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold.

J I Case

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