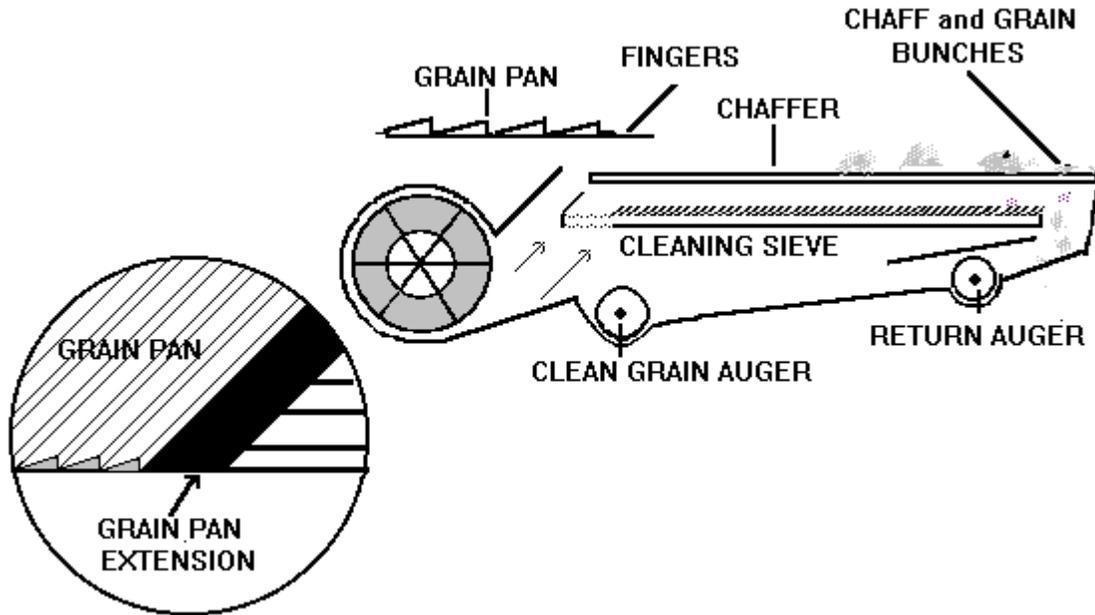


# CASE IH ROTARY COMBINES

**PROBLEM:** Grain and chaff fall off the back of the chaffer in bunches. At the same time, excessive clean grain in the return overloads the right side of the shoe and leaves a stream of grain on the ground.



**REASON:** The cleaning sieve (bottom sieve) is too far forward. On every forward stroke it cuts the air off to the top chaffer. Also, too much air under the bottom sieve blows clean grain into the return, overloading the system.

**SOLUTION:** On most models remove the first five rows of louvers from the front of the clean grain sieve. There is no grain falling on the front 6" of the clean grain sieve, so those louvers are not doing anything but harm. Removing them will let a stronger, steadier stream of air reach the top chaffer. With less air under the cleaning sieve, there will be a big reduction in the amount of clean grain blown in the return. In milo and other crops where spearing is a problem, the Ripple Tin should also be used. Heavy return may also show up as a rotor loss on the sensors. Installing **Harvest Cover Plates** on the concaves will load the shoe more evenly across its width, and enable you to do a better job of threshing the white caps.

**NOTE:** It is a good idea to spray paint the front 12" of the bottom sieve, so you can see where the grain is falling onto the sieve. Then, remove the louvers that still have paint on them. Different year models of these machines will show different wear patterns, so we can't recommend a set number of louvers to be removed for all machines.

On all 1400 series machines and early 1600 series, be sure to cover the extension fingers at the rear of the grain pan with a 4 1/4" wide plate (available at your IH dealer). This plate has been factory installed on the later 1600 series machines (after 1989). Failure to do this may cause a dirty sample when using an adjustable long tooth top chaffer. If you are using an Air Foil chaffer this will not be a problem, as you can install a Ripple Tin on the front of the chaffer, covering the front 10" of the chaffer. This prevents any material from falling through at all. If you are going to use an adjustable long tooth chaffer without installing the 4 1/4" plate over the fingers, then remove only the first **three** louvers from the front of the bottom sieve.

For a **NOTICEABLE** improvement in combine performance