

Machine settings:

The machine operates on the principle that produce will bounce farther than clods, stones and debris. Separation takes place at the divider where everything rebounds off the roller. For this to perform as intended, the geometry of the machine must be properly set.

a. Roller Position

Set the position of the rollers so the stream of material strikes each roller at the 10:00 to 10:30 position. Watch the flow of material. Move the rollers away from the conveyor when the produce is large. Move closer when small. Always maintain the roller impact point.

b. Adjusting of the Clod Hopper

Level the Clod Hopper side to side. The input end should be slightly lower than the roller end

Potatoes should generally feed over the first stage in a single layer; however, when the Clod Hopper is working at capacity, there will occasionally be potatoes riding on potatoes.

An occasional stone or clod going with the potatoes in the first stage is acceptable; if there are none, adjust the divider to decrease the distance from the roller.

On the second stage, adjust the divider so that one person can handle separating potatoes from the tare.

Start the Roller in the Med. Position for both stages.
Start the Divider at the #2 position for both stages.

THE THREE MOST COMMON CAUSES RELATING TO POOR SEPARATION

1. FEEDING PRODUCE TO THE FIRST STAGE ROLLER IN MORE THAN ONE LAYER.
2. SETTING THE ROLLER TOO CLOSE TO THE CONVEYOR CHAIN ON BOTH FIRST AND SECOND STAGES.
3. SETTING THE DIVIDER TOO CLOSE TO THE ROLLER.

