



Case IH Combine Harvesting Recommendations:

Setup

Case Flagship Combine

- Use short 1 1/8" finger closed slat sieves (they provide more sensitive air control)
- Start with **small wire concaves** for all four concaves
- Remove all horizontal bars (4 on Case Flagship) and replace each with two rasps
 - a. Camelina shells quickly and the horizontal bars only increases MoG (FM) in the grain
- Pre-sieves should be slightly open when starting harvest. Run 50 yards and check if the fan is plugging. If not open pre-sieves another position. The optimum position will be when the fan is beginning to plug and then back one or two positions closed.
- Chaffer should be open but allowing seed to move across the entire cleaning surface in order to maximize cleaning and removal of FM. If there is significant cleaning loss then open the upper sieves one or two positions (depending on amount of loss) and recheck. Adjust as necessary.
- After concave, pre-sieves and sieve adjustments are optimized check the amount of FM in the grain.
 - a. If FM is 5% or less you're perfect, but 10% will be more common and is ok. Try to keep grain loss below 2% or what is acceptable to you. Monitor cleaning loss and check MoG/FM when emptying grain and adjust as necessary.
 - b. If excess MoG/FM is plugging the return and no grain is being lost through the concave then begin to block the concaves starting with 4 left, then 4 right, 3 left then 3 right as needed to reduce MoG/FM. Check the MoG/FM level after the addition of each blank. Only block as many concaves as needed to get acceptable MoG/FM and make sure grain isn't being held in the concaves and now being sent to the chopper.

Pre-harvest combine checklist should include calibrating the lower sieves

- Remove top sieves if needed to check lower sieve position
- Right and Left bottom sieves should have the same 6 mm clearance (~3/16") when set to that position.
 - a. If sieves are not at the same height and/or there is not 6 mm clearance then follow your combines instructions to set the clearance. (On Case – hit calibrate, measure, adjust with manual adjusters, hit calibrate again. If you lower one or both sides during adjustment then lower all the way and manually raise to 6 mm, then hit calibrate)



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Bed Auger Combines can be a smaller Case Combine (eg 2388) or JD

- Use short 1 1/8" finger closed slat sieves (they provide more sensitive air control)
- Start with **small wire concaves** for all three concaves
 - a. Remove the straight bars from the inside to the outside of the concave. Increased threshing is not needed for camelina
- Remove smooth slot grate
- Position the vanes to speed up material around the cylinder
- Pre-sieves should be slightly open when starting harvest. Run 50 yards and check if the fan is plugging. If not open pre-sieves another position. The optimum position will be when the fan is beginning to plug and then back one or two positions closed.
- Upper sieve or Chaffer should be open allowing seed to move across the entire cleaning surface in order to maximize cleaning and removal of FM. If there is significant cleaning loss then open the upper sieves one or two positions (depending on amount of loss) and recheck. Adjust as necessary.
- Start with the bottom sieve at 6 mm and try to keep your fan speed higher rather than really low. The bottom sieve position dictates where the air from the fan flows.
- After concave, pre-sieves and sieve adjustments are optimized check the amount of FM in the grain.
 - a. If FM is 5% or less you're perfect, but 10% will be more common and is ok. Try to keep grain loss below 2% or what is acceptable to you. Monitor cleaning loss and check MoG/FM when emptying grain and adjust as necessary.
 - b. If excess MoG/FM is plugging the return and no grain is being lost through the concave then begin to block the concaves starting with 3 left, then 3 right, 2 left then 2 right as needed to reduce MoG/FM. Check the MoG/FM level after the addition of each blank. Only block as many concaves as needed to get acceptable MoG/FM and make sure grain isn't being held in the concaves and now being sent to the chopper.

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 - a. If sieves are not at the same height and/or there is not 6 mm clearance then follow your combines instructions to set the clearance. (On Case – hit calibrate, measure, adjust with manual adjusters, hit calibrate again. If you lower one or both sides during adjustment then lower all the way and manually raise to 6 mm, then hit calibrate)