

XPR

2024 John Deere Settings

SOYBEANS XPR

Concave 7
Rotor 550
Fan 1240
Chaffer 15
Sieve 7
Feed Acc Slow
Run to Top Yellow Kw

SOYBEANS XPR

Concave 9
Rotor 550
Fan 1200
Chaffer 16
Sieve 5
Feed Acc Slow

SOYBEANS XPR

Concave 7
Rotor 520
Fan 1220
Chaffer 14
Sieve 6
Feed Acc Slow

SOYBEANS XPR

Concave 17
Rotor 480
Fan 1250
Chaffer 14
Sieve 5
Feed Acc Slow

SOYBEANS XPR

Concave 20
Rotor 570
Fan 1300
Chaffer 16
Sieve 4
Feed Acc Slow

SOYBEANS XPR

Concave 20
Rotor 420
Fan 1250
Chaffer 13
Sieve 7
Feed Acc Slow

SOYBEANS XPR

Concave 10
Rotor 630
Fan 1290
Chaffer 14
Sieve 3
Feed Acc Slow

SOYBEANS XPR

Concave 3-5
Rotor 800-850
Fan 1250
Chaffer 12
Sieve 4
Feed Acc Fast

Notes:

Blue = General Start Settings
Black = Snapshot User Settings

You do **NOT** have to have the same Moisture & Bu for settings to work

STEP 1 is to make certain your concaves are **LEVEL according to [LEVELING INSTRUCTIONS HERE](#)**

Keep your engine load between 90-110% (3 YELLOW BARS). You must keep the rotor as full as possible with your ground speed, especially in tough beans.

If you run a DEEP TOOTH CHAFFER AND/OR SIEVE set Chaffer 7, Sieve 0-1, Fan 1000 & completely close Rear Manual Chaffer

If you have unthreshed pods, load machine to 3 Yellow Bars, set Sieve to 4, close Concave 1mm until you notice splits then back off 1-2mm, then increase your Rotor speed by 10 RPM increments up to 750. If this does not work **RE-LEVEL concave, [leveling instructions here](#)**

If you are overloading LH side, pull up your deflector between your augers, set your Fan to 1250 and completely close Rear Manual Chaffer.

If **overloading tailings**, open Sieve to 4-7mm and close Rear Manual Chaffer to 5-7mm

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CORN XPR

Concave 21
 Rotor 280
 Fan 1300 (or Max)
 Chaffer 17
 Sieve 15
 Feed Acc Slow
 Run to Top Yellow Kw
 Head 3rd/4th Gear
 Deck Plates 5/6

CORN XPR

Concave 22
 Rotor 330
 Fan 1250
 Chaffer 17
 Sieve 16
 Feed Acc Slow

CORN XPR

Concave 25
 Rotor 270
 Fan 1200
 Chaffer 17
 Sieve 14
 Feed Acc Slow

CORN XPR

Concave 22
 Rotor 350
 Fan 1330
 Chaffer 23
 Sieve 17
 Feed Acc Slow

CORN XPR

Concave 27
 Rotor 280
 Fan 1300
 Chaffer 19
 Sieve 18
 Feed acc slow

CORN XPR

Concave 25
 Rotor 330
 Fan 1200
 Chaffer 17
 Sieve 14
 Feed Acc Slow

CORN XPR

Concave 29
 Rotor 290
 Fan 1240
 Chaffer 20
 Sieve 14
 Feed Acc Slow

CORN XPR

Concave 26
 Rotor 280
 Fan 1200
 Chaffer 16
 Sieve 21
 Feed Acc Slow

Notes:

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 Black = Snapshot User Settings

You do **NOT** have to have the same Moisture & Bu for settings to work

STEP 1 is to make certain your concaves are **LEVEL** according to [LEVELING INSTRUCTIONS HERE](#)
 Note: **WE DO NOT LEVEL SAME AS DEERE.**

Keep your engine load between 90-110% (3 YELLOW BARS). You must keep the rotor as full as possible with your ground speed.

If you are EVER doing worse than OEM 1) [Check Level of Concaves](#)
 2) Calibrate your Chaffer & Sieve
 3) Make sure Fan is not blocked
 4) Check / Tighten Shoe & Fan Belt
 5) Check Chaffer & Sieve Frame

If you run a DEEP TOOTH CHAFFER AND/OR SIEVE set Chaffer 17, Sieve 7-9, Fan 1300 & Rear Manual Chaffer to 9

If you have kernels still on cobs, busted cobs, fines or grinding that settings will NOT fix, [RE-LEVEL your concaves](#)

If you have any fines, set Rotor 280 and tighten your Concave by 1mm until you get mostly whole cobs. **If cobs are split down the middle,** open your concave 1mm until it dissipates.

Notes:

WHEAT XPR
Concave 8
Rotor 880
Fan 910
Chaffer 12
Sieve 3
Feed Acc Slow
Run to Top Yellow Kw

WHEAT XPR
Concave 6
Rotor 910
Fan 950
Chaffer 15
Sieve 5
Feed Acc Slow

WHEAT XPR
Concave 8-10
Rotor 840-910
Fan 1150-1300
Chaffer 18
Sieve 6
Feed Acc Slow

WHEAT XPR
Concave 2-3
Rotor 820
Fan 1350
Chaffer 13
Sieve 4
Feed Acc Slow

WHEAT XPR
Concave 1
Rotor 550
Fan 1100
Chaffer 8
Sieve 1
Feed Acc Slow
Header Speed 550
35ft Shelbourn Stripper

WHEAT XPR
Concave 8-11
Rotor 910-1000
Fan 950-1100
Chaffer 19
Sieve 10
Feed Acc Slow

WHEAT XPR
Concave 5
Rotor 870-900
Fan 1130
Chaffer 17
Sieve 8
Feed Acc Slow

WHEAT XPR
Concave 6
Rotor 760
Fan 950
Chaffer 18
Sieve 8
Feed Acc Slow

WHEAT XPR
Concave 1-2
Rotor 700-750
Fan 1250
Chaffer 18
Sieve 6-8
Feed Acc Slow

Blue = General Start Settings
Black = Snapshot User Settings

You do **NOT** have to have the same Moisture & Bu for settings to wor

STEP 1 is to make certain your concaves are **LEVEL according to [LEVELING INSTRUCTIONS HERE](#)**
Keep your engine load between 80-100%. **You must keep the rotor as full as possible**, you can do this by slowing the rotor down, increasing ground speed or tightening the concaves

If you run a DEEP TOOTH CHAFFER AND/OR SIEVE set Chaffer 4-6, Sieve 0-1, Fan 980-1080 completely close Rear Manual Chaffer

If you are having any unthreshed heads tighten concave by 1mm and close sieve until they go away

If you are seeing any rotor loss (not header loss) then slow your rotor 10 RPM until it decreases.

If you need to clean up the tank, try various sets of Chaffer, Sieve and Fan combinations on this page. If you still have little pieces of straw in the tank it's possible you are over-threshing

In wheat with stripper header, if at 0mm and 500-600 and still not threshing completely, you may want to add covers on 2nd or 3rd concave.

WHEAT XPR

Concave 1-2
Rotor 820
Fan 1250
Chaffer 18
Sieve 7
Feed Acc Slow
Grate Blanks 3 LH Side
Header Speed 580
35ft Shelbourn Stripper

BARLEY XPR

Concave 24
Rotor 820
Fan 720
Chaffer 19
Sieve 9
Feed Acc Slow

BARLEY XPR

Concave 6
Rotor 840
Fan 720
Chaffer 19
Sieve 9
Feed Acc Slow

CANOLA XPR

Concave 28
Rotor 780-840
Fan 960
Chaffer 11
Sieve 2
Feed Acc Slow

CHICKPEAS XPR

Concave 15-20
Rotor 240-380
Fan 600-800
Chaffer 15-18
Sieve 7-12
Feed Acc Slow

WHEAT XPR

Concave 2-3
Rotor 540
Fan 1200
Chaffer 18
Sieve 7
Feed Acc Slow
Grate Blanks 3 LH Side
Header Speed 540
35ft Shelbourn Stripper

BARLEY XPR

Concave 26
Rotor 770
Fan 960
Chaffer 19
Sieve 13
Feed Acc Slow

BARLEY XPR

Concave 6
Rotor 840
Fan 720
Chaffer 19
Sieve 9
Feed Acc Slow

CANOLA XPR

Concave 24
Rotor 670-760
Fan 950-980
Chaffer 10
Sieve 3
Feed Acc Slow

CHICKPEAS XPR

Concave 6-12
Rotor 380-580
Fan 1000-1100
Chaffer 12-17
Sieve 5-9
Feed Acc Slow



If the chaffer is being overloaded on a particular side then **ADD 2-3 BLANKS to the top of the separation grates (as seen above) to the side overloading.** With a stripper header, you will likely want to run blanks as well.

For ALL crops. **ONLY CHANGE ONE VARIABLE** at a time. For example, set the concave, then try different rotor speeds at that concave clearance, **AND KEEP SAME ENGINE LOAD** at every new rotor speed you try, which means you might have to increase/decrease your ground speed.

For ALL crops. FYI, the concave is NOT as tight as you think it is. Your cab reading is from the rotor bar to the top of the notch, not accounting for the entire notch or zeroing variances. Don't be afraid of being tighter than you have been in the past, they aren't the same as OEM.

EDIBLE BEANS XPR

Concave 15-18
 Rotor 380-500
 Fan 1000-1200
 Chaffer 16-19
 Sieve 10-13
 Feed Acc Slow

FIELD PEAS XPR

Concave 15-20
 Rotor 260-3380
 Fan 750-950
 Chaffer 16-19
 Sieve 8-12
 Feed Acc Slow

MILO XPR

Concave 2
 Rotor 660
 Fan 1200
 Chaffer 7
 Sieve 3
 Feed Acc Slow

OATS XPR

Concave 15-17
 Rotor 480-580
 Fan 900-1000
 Chaffer 16
 Sieve 12
 Feed Acc Slow

POPCORN XPR

Concave 15-17
 Rotor 250-270
 Fan 1340
 Chaffer 10
 Sieve 8
 Feed Acc Slow

EDIBLE BEANS XPR

Concave 20-24
 Rotor 280-340
 Fan 1000-1150
 Chaffer 16-19
 Sieve 10-13
 Feed Acc Slow

FLAX XPR

Concave 0-6
 Rotor 750-950
 Fan 800-950
 Chaffer 7-12
 Sieve 1-4
 Feed Acc Slow

MILO XPR

Concave 9-10
 Rotor 640-680
 Fan 1200
 Chaffer 12
 Sieve 5
 Feed Acc Slow

OATS XPR

Concave 12-14
 Rotor 600-750
 Fan 900-1000
 Chaffer 13
 Sieve 7
 Feed Acc Slow

RICE XPR

Concave 8-18
 Rotor 700-850
 Fan 1000-1200
 Chaffer 16
 Sieve 8
 Feed Acc Slow

EDIBLE BEANS XPR

Concave 25-35
 Rotor 260-320
 Fan 900-1100
 Chaffer 16-19
 Sieve 10-13
 Feed Acc Slow

LENTILS XPR

Concave 8-14
 Rotor 320-500
 Fan 750-950
 Chaffer 12-14
 Sieve 4-6
 Feed Acc Slow

MILLET XPR

Concave 4-6
 Rotor 300-500
 Fan 700-900
 Chaffer 8-13
 Sieve 2-6
 Feed Acc Slow

POPCORN XPR

Concave 22-28
 Rotor 220-280
 Fan 1050-1240
 Chaffer 17-20
 Sieve 12-15
 Feed Acc Slow

RICE XPR

Concave 5-8
 Rotor 450-550
 Fan 1000-1200
 Chaffer 12-18
 Sieve 4-8
 Feed Acc Slow

RYE XPR

Concave 4-8
Rotor 650-920
Fan 850-950
Chaffer 13-17
Sieve 2-5
Feed Acc Slow

SESAME XPR

Concave 15-25
Rotor 220-300
Fan 550-650
Chaffer 0
Sieve 0
Feed Acc Slow

SUNFLOWERS XPR

Concave 32-45
Rotor 300-340
Fan 750-950
Chaffer 10-14
Sieve 9-12
Feed Acc Slow

SUNFLOWERS XPR

Concave 23-28
Rotor 300-380
Fan 900-1100
Chaffer 13-15
Sieve 7-10
Feed Acc Slow

For sunflowers in John Deere combines (with a two-part chaffer) we recommend you **close the last 12-15 inches of sieve manually** (it doesn't move with controls in the cab). This will drastically help eliminate trash from the grain tank.

CROP NOT LISTED?

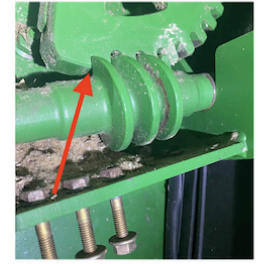
email us at contact@estesperformanceconcaves.com

How To Setup CombineAdvisor

<https://bit.ly/3jRuYLp>

Installation

These instructions are for Standard Installation. For Active Concave Isolation, visit SETMYCOMBINE.COM



01 ZERO THRESHING CLEARANCE

Set concaves to 0 in the cab. Make sure worm gear for concave adjustment is bottomed out to the slotted bracket. If worm gear is not bottomed, adjust hanger bolts until the worm gear bottoms, then zero the concaves in the cab.

02 REMOVE OEM CONCAVES

Remove all existing concaves and retain bolts, nuts and latch pin hardware. Z-bar will be able to swing and rotate when concaves are removed.

03 INSTALL NEW CONCAVES

Concave #1 should be installed first, concave #3 second, and concave #2 last. Positions are marked on concave. Make sure the transition lip on concave #1 is NOT touching front bulkhead and concave #3 is NOT touching the rear bulkhead. Concave have slotted holes for side-to-side movement. Put pin in before bolting to Z-bar. **TIGHTEN ALL TOP / VERTICAL Z-BAR BOLTS FIRST**, then tighten horizontal / angled ones last.

04 LEVEL CONCAVES

Loosen z-bar safety stop bolts. Count down 5 bars (on LH side) on **CONCAVE #1**, then insert a 1/4" or 6mm allen key between the rotor element (red line) and top of notch on 5th bar. You should be able to barely slide the allen key from front to back on the bar while threshing element is aligned with it. (you may have to rotate rotor around by hand to line up rotor element to the 5th bar.)

Then, on the 5th bar of **CONCAVE #3**, insert an 1/8" or 3mm allen key between rotor element and top of notch of 5th bar.

In order to get these measurements, adjust the front and rear linkage arms (you might have to go back and forth between adjustment arms a few times). If you can't get 1/4" allen on concave #1 and 1/8" allen on concave #3, then make sure that **CONCAVE #3** is **CLOSER** to the rotor element than concave #1 (anywhere from 1/4" to 1/32" closer).



05 CYCLE CONCAVES

Once level, cycle the concaves fully open and fully closed 2-3 times to ensure the full range is achievable. The full open position should be ~44-57mm, depending on the model. Fully close the concave to 0mm, ensure the worm gear is bottomed out. Locate the 'Re-Calibrate Threshing Clearance' on the display or corner post, and follow the procedure. After the recalibration is complete, fully open the concave to check the maximum setting for your machine, then fully close it again to verify it returns to 0mm, confirming the calibration was successful.

06 RE-CHECK LEVEL - CONCAVE #1

After cycling the concaves, re-check the level. On the 5th bar of Concave #1, use a 1/4" or 6mm allen key (or the size you previously used) and verify that it can slide from front to back along the concave bar and rotor bar. If it doesn't slide, you'll need to slightly open the concave by adjusting the i-bolt and jam nuts.

07 RE-CHECK LEVEL - CONCAVE #3

Repeat step 5 on Concave #3 using a 1/8" or 3mm Allen key (or the size you previously used). Once you've confirmed that Concave #3 is closer (by 1/4" to 1/32") than Concave #1, tighten all jam nuts and set the Z-bar safety stop bolts.

Important: Take note what allen you used on concave #3 (concave closest to element) because that is your gap. i.e. if you used a 1/8" or 3mm, then 0mm in the cab, is actually 3mm. Remember this when setting crops.

Grate Installation

01 REMOVE OEM GRATE

If you have one Xtreme separation grate, remove #2 OEM grate.

If you have two Xtreme separation grates, remove #1 & #2 OEM grates.

If you have three Xtreme separation grates remove #1, #2, #3 OEM grates; leave in 4th OEM grate (in back).

02 INSTALL XTREME SEPARATION GRATE

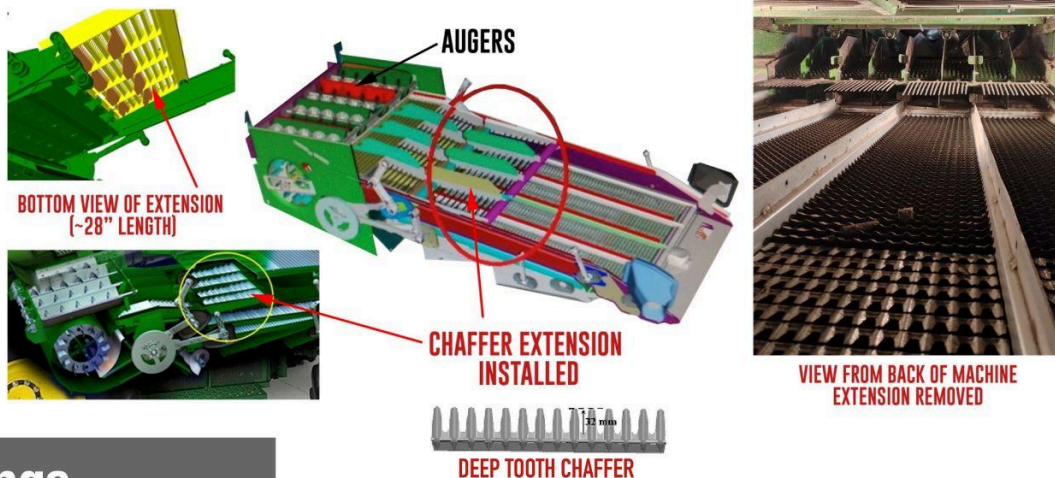
Install Xtreme separation grate into position as described in step 1. If installing three Xtreme separation grates, install #1 Xtreme grate first, #3 Xtreme grate second, and #2 Xtreme grate last.

Xtreme separation grates are now 2-piece. First, bolt long section of the 2-piece grate to the right side of the combine (as if in drivers seat). **DO NOT TORQUE.** Grate fingers go in same direction as OEM. Then, bolt short section of the grate to the left side of the combine (use the OEM spacers between the grate and rail). **DO NOT TORQUE.**

Once sections are bolted to the machine. Connect the large section to the small section of grate with nuts and bolts provided (these are prevailing torque one-time use nuts). Lastly, torque the grates up tight to the combine rail on right and left side.

03 REMOVE CHAFFER EXTENSION

Class 8 and 9 combines may have a chaffer extension. Remove and replace the chaffer extension with 4 combs (Deere Part #H132161) using the same bolts and bolt holes. **IF** the combine already has the plastic combs, **THEN** the chaffer extension has **ALREADY** been removed. Also, check and see if you have a **DEEP TOOTH** chaffer (image below) if you do, then pay attention to deep tooth chaffer settings at [SETMYCOMBINE.COM](https://www.setmycombine.com)



Settings

VISIT [SETMYCOMBINE.COM](https://www.setmycombine.com) Click on your combine and system. There you will find all the latest settings and tips for combine. You can also **CREATE A HELP TICKET** for tech support.

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COVER PLATES

REMOVE COVERS FOR ALL CROPS. Only use them to manage material overloading or in some cases with a stripper header. You should be able to get everything threshing without them. Make sure your cover plate lip is **ON TOP** of the bar and that the **TURNBUCKLE HOOK** is turned in the direction where it can't come off once tightened.



PARTS REFERENCE

Each Xtreme separation grate contains Large inserts and Small inserts, if you need to order, visit [estesparts.com](https://www.estesparts.com)

