2024 John Deere X9 Settings

SOYBEANS XPR 3
Concave 10
Rotor 700
Fan 1240
Chaffer 15
Sieve 7
Run to Top Yellow Kw

SOYBEANS XPR 3
Concave 10
Rotor 720
Fan 1340
Chaffer 16
Sieve 5

SOYBEANS XPR 3
Concave 11
Rotor 760
Fan 1360
Chaffer 11
Sieve 8

SOYBEANS XPR 3
Concave 8
Rotor 740
Fan 1160
Chaffer 15
Sieve 6

SOYBEANS XPR 3
Concave 11
Rotor 680
Fan 1340
Chaffer 16
Sieve 5

SOYBEANS XPR 3
Concave 2
Rotor 760
Fan 1160
Chaffer 12
Sieve 0

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**.

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**, **per OEM leveling instructions.**

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CORN XPR 3
Concave 21
Rotor 300
Fan 1300 (or Max)
Chaffer 17
Sieve 15
Run to Top Yellow Kw
Head 3rd/4th Gear
Deck Plates 5/6

CORN XPR 3
Concave 26
Rotor 310
Fan 1250
Chaffer 17
Sieve 16

CORN XPR 3
Concave 24
Rotor 330
Fan 1260
Chaffer 17
Sieve 14

CORN XPR 3
Concave 27
Rotor 350
Fan 1330
Chaffer 23
Sieve 17

CORN XPR 3
Concave 34
Rotor 440
Fan 1410
Chaffer 22
Sieve 15

Notes:
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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**.

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.

WHEAT XPR 3

Notes:

Concave 8
Rotor 800
Fan 1000
Chaffer 12
Sieve 3
Run to Top Yellow Kw

WHEAT XPR 3
Concave 10
Rotor 700
Fan 950
Chaffer 15
Sieve 5

WHEAT XPR 3
Concave 12
Rotor 740
Fan 1150-1300
Chaffer 18
Sieve 6

WHEAT XPR 3
Concave 0-2
Rotor 500
Fan 1350
Chaffer 13
Sieve 4
Stripper Header

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**

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

BARLEY XPR 3
Concave 24
Rotor 820
Fan 720
Chaffer 19
Sieve 9
Feed Acc Slow

BARLEY XPR 3
Concave 26
Rotor 770
Fan 960
Chaffer 19
Sieve 13
Feed Acc Slow

BARLEY XPR 3
Concave 6
Rotor 840
Fan 720
Chaffer 19
Sieve 9
Feed Acc Slow

BARLEY XPR 3
Concave 6
Rotor 840
Fan 720
Chaffer 19
Sieve 9
Feed Acc Slow

CANOLA XPR 3
Concave 28
Rotor 780-840
Fan 960
Chaffer 11
Sieve 2
Feed Acc Slow

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

CHICKPEAS XPR 3
Concave 15-20
Rotor 240-380
Fan 600-800
Chaffer 15-18
Sieve 7-12
Feed Acc Slow

CHICKPEAS XPR 3
Concave 6-12
Rotor 380-580
Fan 1000-1100
Chaffer 12-17
Sieve 5-9
Feed Acc Slow

EDIBLE BEANS XPR 3
Concave 15-18
Rotor 380-500
Fan 1000-1200
Chaffer 16-19
Sieve 10-13
Feed Acc Slow

EDIBLE BEANS XPR 3
Concave 20-24
Rotor 280-340
Fan 1000-1150
Chaffer 16-19
Sieve 10-13
Feed Acc Slow

EDIBLE BEANS XPR 3
Concave 25-35
Rotor 260-320
Fan 900-1100
Chaffer 16-19
Sieve 10-13
Feed Acc Slow

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.

FIELD PEAS XPR 3
Concave 15-20
Rotor 260-3380
Fan 750-950
Chaffer 16-19
Sieve 8-12
Feed Acc Slow

FLAX XPR 3
Concave 0-6
Rotor 750-950
Fan 800-950
Chaffer 7-12
Sieve 1-4
Feed Acc Slow

LENTILS XPR 3
Concave 8-14
Rotor 320-500
Fan 750-950
Chaffer 12-14
Sieve 4-6
Feed Acc Slow

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

MILO XPR 3
Concave 9-10
Rotor 640-680
Fan 1200
Chaffer 12
Sieve 5
Feed Acc Slow

MILLET XPR 3
Concave 4-6
Rotor 300-500
Fan 700-900
Chaffer 8-13
Sieve 2-6
Feed Acc Slow

OATS XPR 3
Concave 15-17
Rotor 480-580
Fan 900-1000
Chaffer 16
Sieve 12
Feed Acc Slow

OATS XPR 3
Concave 12-14
Rotor 600-750
Fan 900-1000
Chaffer 13
Sieve 7
Feed Acc Slow

POPCORN XPR 3
Concave 22-28
Rotor 220-280
Fan 1050-1240
Chaffer 17-20
Sieve 12-15
Feed Acc Slow

POPCORN XPR 3
Concave 15-17
Rotor 250-270
Fan 1340
Chaffer 10
Sieve 8
Feed Acc Slow

RICE XPR 3
Concave 8-18
Rotor 700-850
Fan 1000-1200
Chaffer 16
Sieve 8
Feed Acc Slow

RICE XPR 3
Concave 5-8
Rotor 450-550
Fan 1000-1200
Chaffer 12-18
Sieve 4-8
Feed Acc Slow

RYE XPR 3
Concave 4-8
Rotor 650-920
Fan 850-950
Chaffer 13-17
Sieve 2-5
Feed Acc Slow

SESAME XPR 3
Concave 15-25
Rotor 220-300
Fan 550-650
Chaffer 0
Sieve 0
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.

SUNFLOWERS XPR 3
Concave 32-45
Rotor 300-340
Fan 750-950
Chaffer 10-14
Sieve 9-12
Feed Acc Slow

SUNFLOWERS XPR 3
Concave 23-28
Rotor 300-380
Fan 900-1100
Chaffer 13-15
Sieve 7-10
Feed Acc Slow

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 ¼" 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 ⅛" 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 ¼" allen on concave #1 and ⅛" 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.

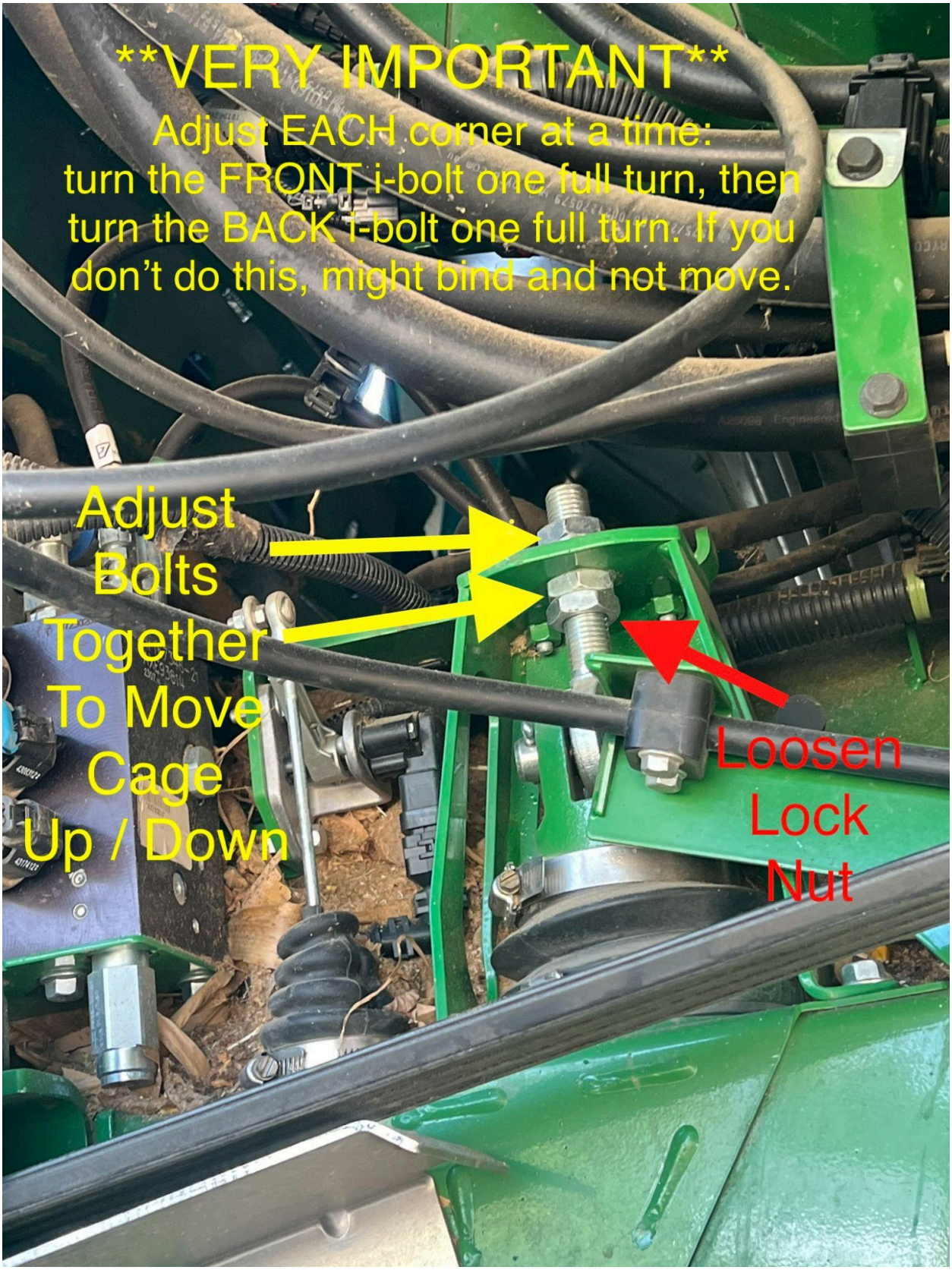
06 RE-CHECK LEVEL - CONCAVE #1

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 ⅛" or 3mm, then 0mm in the cab, is actually 3mm. Remember this when setting crops.


VERY IMPORTANT
Adjust EACH corner at a time:
turn the FRONT i-bolt one full turn, then
turn the BACK i-bolt one full turn. If you
don't do this, might bind and not move.
Adjust
Bolts
Together
To Move
Cage
Up / Down
Loosen
Lock
Nut