

XPR

2023 Case IH 88 Settings

SOYBEANS XPR 2

Concave 7 (0.7cm)
Rotor 550
Fan 1240
Top Sieve 15
Bottom Sieve 7
Covers None
Load Engine 100%

SOYBEANS XPR 2

Concave 9
Rotor 550
Fan 1200
Top Sieve 16
Bottom Sieve 5
Covers None
Load Engine 100%
~11% 60 Bu

SOYBEANS XPR 2

Concave 7
Rotor 520
Fan 1220
Top Sieve 14
Bottom Sieve 6
Covers None
Load Engine 100%
~12% 80 Bu

SOYBEANS XPR 2

Concave 17
Rotor 480
Fan 1250
Top Sieve 14
Bottom Sieve 5
Load Engine 100%
Covers None
~12% 70 Bu

SOYBEANS XPR 2

Concave 11
Rotor 480
Fan 1250
Top Sieve 14
Bottom Sieve 9
Covers None
Load Engine 100%
~10% 70 Bu

SOYBEANS XPR 2

Concave 8
Rotor 540
Fan 1250
Top Sieve 13
Bottom Sieve 7
Load Engine 100%
Covers None
~13% 70 Bu

SOYBEANS XPR 2

Concave 20
Rotor 570
Fan 1300
Top Sieve 16
Bottom Sieve 4
Load Engine 100%
Covers None
~13% 75 Bu

SOYBEANS XPR 2

Concave 5
Rotor 800
Fan 1190
Top Sieve 12
Bottom Sieve 5
Load Engine 100%
Covers None
Green Stems

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 the NEW video on page 8.**

Keep your engine load between 85-100%. **You must keep the rotor as full as possible** by increasing your ground speed.

If you have unthreshed pods, close your rotor 1mm until you notice any splits, then back off 1-2mm, then increase your rotor speed by 10 RPM increments. If this does not fix it, **RE-LEVEL your concaves according to the leveling video page 8.**

If you are seeing any rotor loss (not header loss) then **remove a cover plate** and/or increasing your rotor speed and tightening your concave.

If you still have little stems in the tank, it's possible you are over threshing and need to remove a cover

If your tailings are overloaded, manually close the last 12 inches of Top Sieve to 5-7mm.

Vanes in **MEDIUM** for all crops

CORN XPR 2

Concave 21 (2.1cm)
Rotor 280
Fan 1300 (or Max)
Top Sieve 17
Bottom Sieve 15
Load Engine 100%
Covers None

CORN XPR 2

Concave 22
Rotor 270
Fan 1250
Top Sieve 17
Bottom Sieve 16
Load Engine 100%
Covers None
~18% ~220 Bu

CORN XPR 2

Concave 25
Rotor 270
Fan 1200
Top Sieve 17
Bottom Sieve 14
Load Engine 100%
Covers None
~27% ~180 Bu

CORN XPR 2

Concave 24
Rotor 330
Fan 1330
Top Sieve 23
Bottom Sieve 18
Load Engine 100%
Covers None
~20% ~200 Bu

CORN XPR 2

Concave 27
Rotor 280
Fan 1300
Top Sieve 19
Bottom Sieve 18
Load Engine 100%
Covers None
~24% ~270 Bu

CORN XPR 2

Concave 25
Rotor 330
Fan 1200
Top Sieve 17
Bottom Sieve 14
Load Engine 100%
Covers None
~19% ~220 Bu

CORN XPR 2

Concave 29
Rotor 290
Fan 1240
Top Sieve 20
Bottom Sieve 14
Load Engine 100%
Covers None
~22% ~260 Bu

CORN XPR 2

Concave 26
Rotor 280
Fan 1200
Top Sieve 16
Bottom Sieve 21
Load Engine 100%
Covers None
~20% ~240 Bu

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 the NEW video on page 8.**

Keep your engine load between 95-110%. **You must keep the rotor as full as possible**, do this by increasing your ground speed.

The concave is not as tight as you think because the area below the notch and zeroing, majority run 22-28 mm on concave

If you have any unthreshed cobs, busted cobs, fines or grinding that settings will not fix, **RE-LEVEL your concaves according to the leveling video page 8.**

If you have any fines and/or grinding, tighten your concave to 21-25 and rotor to 280-300.

To rid cobs from your tank, try your Top Sieve 14-17, Bottom Sieve 20, fan 1300 or other Top Sieve & Bottom Sieves combos on this page.

When new the bars can be "sharp" from being milled which may cause some fines initially but will go away as they wear in.

Vanes in **MEDIUM** for all crops

WHEAT XPR 2
Concave 5 (0.4cm)
Rotor 850
Fan 910
Top Sieve 12
Bottom Sieve 3
Load Engine 100%
Covers None

WHEAT XPR 2
Concave 6
Rotor 910
Fan 950
Top Sieve 15
Bottom Sieve 5
Load Engine 100%
Covers None
~12% ~60 Bu

WHEAT XPR 2
Concave 8-10
Rotor 840-910
Fan 1150-1300
Top Sieve 18
Bottom Sieve 6
Load Engine 100%
Covers None
~14% ~95 Bu

WHEAT XPR 2
Concave 2-3
Rotor 820
Fan 1350
Top Sieve 13
Bottom Sieve 4
Load Engine 100%
Covers None
~12% ~50 Bu

WHEAT XPR 2
Concave 8-11
Rotor 910-1000
Fan 950-1100
Top Sieve 19
Bottom Sieve 10
Load Engine 100%
Covers None
~12% ~85 Bu

WHEAT XPR 2
Concave 5
Rotor 870-900
Fan 1130
Top Sieve 17
Bottom Sieve 8
Load Engine 100%
Covers None
~10% ~110 Bu

WHEAT XPR 2
Concave 6
Rotor 760
Fan 950
Top Sieve 18
Bottom Sieve 8
Load Engine 100%
Covers None
~12% ~90 Bu

WHEAT XPR 2
Concave 1-2
Rotor 700-750
Fan 1250
Top Sieve 18
Bottom Sieve 6-8
Load Engine 100%
Covers None
~12% ~100 Bu

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 the NEW video on page 9.**

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, or adding covers

If you are having any unthreshed heads, you can add a cover plate or tighten your concave 1mm until they away

If you need to clean up the tank, try various sets of Top Sieve, Bottom 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 and need to remove a cover

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

Vanes in **MEDIUM** for all crops

WHEAT XPR 2

Concave 1-2
 Rotor 820
 Fan 1250
 Top Sieve 18
 Bottom Sieve 7
 Load Engine 100%
 Covers 1
 Grate Blanks 3 LH Side
 Header Speed 580
 35ft Shelbourn Stripper

BARLEY XPR 2

Concave 6
 Rotor 840
 Fan 720
 Top Sieve 19
 Bottom Sieve 9
 Load Engine 100%
 Covers None
 ~12 ~50 Bu

CANOLA XPR 2

Concave 28
 Rotor 780-840
 Fan 960
 Top Sieve 11
 Bottom Sieve 2
 Load Engine 100%
 Covers 1 & 2
 ~11% ~50 bu

CHICKPEAS XPR 2

Concave 15-20
 Rotor 240-380
 Fan 600-800
 Top Sieve 15-18
 Bottom Sieve 7-12
 Load Engine 100%
 Covers None

WHEAT XPR 2

Concave 2-3
 Rotor 540
 Fan 1200
 Top Sieve 18
 Bottom Sieve 7
 Load Engine 100%
 Covers 1
 Grate Blanks 3 LH Side
 Header Speed 540
 35ft Shelbourn Stripper

BARLEY XPR 2

Concave 7
 Rotor 940
 Fan 960
 Top Sieve 19
 Bottom Sieve 13
 Load Engine 100%
 Covers None
 ~11% ~100 Bu (Irrigated)

CANOLA XPR 2

Concave 24
 Rotor 670-760
 Fan 950-980
 Top Sieve 10
 Bottom Sieve 3
 Load Engine 100%
 Covers None
 ~12% ~80 bu

CHICKPEAS XPR 2

Concave 6-12
 Rotor 380-580
 Fan 1000-1100
 Top Sieve 12-17
 Bottom Sieve 5-9
 Load Engine 100%
 Covers None

With a stripper header, **when the straw gets tougher** then speed up the rotor in 50 RPM increments.

Install the blanks into your grates if the Top Sieve is being overloaded, typical with stripper headers

If you are overloading your Left auger, pull the deflector up to deflect material to center auger

For ALL crops. **ADD COVERS ONLY IF** you can't get it threshed by tightening the concave and trying various rotor speeds. **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.

Vanes in **MEDIUM** for all crops

EDIBLE BEANS XPR 2

Concave 15-18
 Rotor 380-500
 Fan 1000-1200
 Top Sieve 16-19
 Bottom Sieve 10-13
 Load Engine 100%
 Covers 1 & 2 (Green Pods)

EDIBLE BEANS XPR 2

Concave 20-24
 Rotor 280-340
 Fan 1000-1150
 Top Sieve 16-19
 Bottom Sieve 10-13
 Load Engine 100%
 Covers 1 (Some Green Pods)

EDIBLE BEANS XPR 2

Concave 25-35
 Rotor 260-320
 Fan 900-1100
 Top Sieve 16-19
 Bottom Sieve 10-13
 Load Engine 100%
 Covers None (Dry)

FIELD PEAS XPR 2

Concave 15-20
 Rotor 260-3380
 Fan 750-950
 Top Sieve 16-19
 Bottom Sieve 8-12
 Load Engine 100%
 Covers None

FLAX XPR 2

Concave 0-6
 Rotor 750-950
 Fan 800-950
 Top Sieve 7-12
 Bottom Sieve 1-4
 Load Engine 100%
 Covers None

LENTILS XPR 2

Concave 8-14
 Rotor 320-500
 Fan 750-950
 Top Sieve 12-14
 Bottom Sieve 4-6
 Load Engine 100%
 Covers None

MILO XPR 2

Concave 2
 Rotor 660
 Fan 1200
 Top Sieve 7
 Bottom Sieve 3
 Load Engine 100%
 Covers None

MILO XPR 2

Concave 9-10
 Rotor 640-680
 Fan 1200
 Top Sieve 12
 Bottom Sieve 5
 Load Engine 100%
 Covers None

MILLET XPR 2

Concave 4-6
 Rotor 300-500
 Fan 700-900
 Top Sieve 8-13
 Bottom Sieve 2-6
 Load Engine 100%
 Covers 1 & 2

OATS XPR 2

Concave 15-17
 Rotor 480-580
 Fan 900-1000
 Top Sieve 16
 Bottom Sieve 12
 Load Engine 100%
 Covers None

OATS XPR 2

Concave 12-14
 Rotor 600-750
 Fan 900-1000
 Top Sieve 13
 Bottom Sieve 7
 Load Engine 100%
 Covers None

POPCORN XPR 2

Concave 22-28
 Rotor 220-280
 Fan 1050-1240
 Top Sieve 17-20
 Bottom Sieve 12-15
 Load Engine 100%
 Covers None

POPCORN XPR 2

Concave 15-17
 Rotor 250-270
 Fan 1340
 Top Sieve 10
 Bottom Sieve 8
 Load Engine 100%
 Covers None

RICE XPR 2

Concave 8-18
 Rotor 700-850
 Fan 1000-1200
 Top Sieve 16
 Bottom Sieve 8
 Load Engine 100%
 Covers None

RICE XPR 2

Concave 5-8
 Rotor 450-550
 Fan 1000-1200
 Top Sieve 12-18
 Bottom Sieve 4-8
 Load Engine 100%
 Covers None

RYE XPR 2
Concave 4-8
Rotor 650-920
Fan 850-950
Top Sieve 13-17
Bottom Sieve 2-5
Load Engine 100%
Covers 1 & 2

SESAME XPR 2
Concave 15-25
Rotor 220-300
Fan 550-650
Top Sieve 0
Bottom Sieve 0
Load Engine 100%
Covers None

SUNFLOWERS XPR 2
Concave 32-45
Rotor 240-340
Fan 750-950
Top Sieve 10-14
Bottom Sieve 9-12
Load Engine 100%
Covers None

SUNFLOWERS XPR 2
Concave 23-28
Rotor 280-380
Fan 900-1100
Top Sieve 13-15
Bottom Sieve 7-10
Load Engine 100%
Covers None

For sunflowers in 88 Series combines (with a two-part Top Sieve) we recommend you **close the last 12-15 inches of Bottom 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

CASE IH 88 XPR 2 INSTALLATION



INSTALLING CONCAVES

Concave with flange/lip is #1 concave. #2 & #3 concave have #2 & #3 stickers on the end plate. **YOU MUST LEVEL THE CONCAVES AS IN VIDEO HERE <https://vimeo.com/611971286> (same as JD) OR BY INSTRUCTIONS ATTACHED WHEN SHIPPED** (NOT THE WAY OEM INSTRUCTS) then ZERO/CALIBRATE the concaves in the cab (also in video). **DOUBLE CHECK** LIP/FLANGE NUTS on the first concave to 90 FT LBS and SEPARATION GRATE INSERT NUTS to 60 FT LBS.

Vanes in **MEDIUM** for all crops

INSTALLING SEPARATION GRATES

For **XPR 2** with 1x Xtreme Separation Grate, remove OEM and install in the **2ND POSITION** (if you've already installed it in the 1st position you can leave it). For **XPR 2+** with 2x Xtreme Separation Grates, install in **1ST & 2ND POSITION** (shown above). For XPR 2+Max with 3x Xtreme Separation Grates, install in **1ST, 2ND & 3RD POSITION**. The **1st separation grate is the one directly behind the 3rd concave. Grate fingers POINT TO THE LEFT (as in drivers seat).**

Our Xtreme Separation Grates are wider, heavier built and much stronger than stock or previous grates. If the rotor tines ting any of the grate fingers, **knock the edge off the grate finger(s) with a grinder so they no longer ting**. The tines are meant to come close to the fingers to clear them of trash but not hit them. (Turn rotor **SLOWLY** when checking clearance to determine if they ting)

COVER PLATES

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.

TIGHTEN your cover plates. If you are immediately harvesting crops that require cover plates, make sure you **tighten the turnbuckle and jam nut.**



ROTOR BARS

You do **NOT** have to change rotor bars for our system. Many ask about various configurations and it really all depends on crops and how green they are. We recommend you put 6 to 8 **spike bars** on back of rotor if you have heavy straw in wheat, green stem beans, corn sprayed heavily with fungicide, etc. The spike bars help break up material. If you are harvesting corn and beans only, then you can run 4 to 8 **straight bars** on back of the rotor in place of regular rasps bars as many find they help get more grain out / less rotor loss. **The different configurations have their various advantages and disadvantages but ultimately it all depends on your crops and conditions but changing them from regular rasp bars are not necessary.**