# XPR2

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 <u>**not**</u> 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.

## 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 **<u>not</u>** 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.

#### 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:

Blue = General Start Settings Black = Snapshot User Settings

You do **<u>not</u>** 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.

#### 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.

#### **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)

#### 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

# MILO XPR 2

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

# OATS XPR 2

Concave 15-17 Rotor 480-580 Fan 900-1000 Top Sieve 16 Bottom Sieve 12 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

# **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)

#### 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

# MILO XPR 2

Concave 9-10 Rotor 640-680 Fan 1200 Top Sieve 12 Bottom Sieve 5 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

# RICE XPR 2

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

# 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)

# 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

# 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

# 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

# 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

#### 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 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 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 <u>close</u> <u>the last 12-15 inches of Bottom</u> <u>Sieve manually</u> (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 <u>contact@estesperformanceconcaves.com</u>

#### **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 <u>MUST</u> LEVEL THE CONCAVES AS IN VIDEO HERE <u>https://vimeo.com/611971286</u> (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.