

XPR 2

2023 Case IH Flagship Settings

SOYBEANS XPR 2

Concave 9
Rotor 600
Fan 1100
Top Sieve 14
Bottom Sieve 8
Pre-Sieve 6 or 11
Covers None
Sieve Offset 0
100% Engine Load

SOYBEANS XPR 2

Concave 17
Rotor 580
Fan 1150
Top Sieve 14
Bottom Sieve 8
Pre-Sieve 3
Covers None
~14% 65 Bu

SOYBEANS XPR 2

Concave 14
Rotor 480
Fan 1050
Top Sieve 15
Bottom Sieve 13
Pre-Sieve 3
Covers None
~13% 60 Bu

SOYBEANS XPR 2

Concave 12
Rotor 600
Fan 1100
Top Sieve 16
Bottom Sieve 6
Pre-Sieve 4
Covers None
~14% 70 Bu

SOYBEANS XPR 2

Concave 7
Rotor 600
Fan 1150
Top Sieve 14
Bottom Sieve 12
Pre-Sieve 3
Covers None

SOYBEANS XPR 2

Concave 14
Rotor 600
Fan 950
Top Sieve 15
Bottom Sieve 10
Pre-Sieve 4
Covers None
Sieve Angle Offset -4.0

SOYBEANS XPR 2

Concave 17
Rotor 470-580
Fan 1000
Top Sieve 15
Bottom Sieve 12
Pre-Sieve 3
Covers None
~12% 70 Bu

SOYBEANS XPR 2

Concave 5
Rotor 800
Fan 1190
Top Sieve 15
Bottom Sieve 13
Pre-Sieve 3
Covers None
Green Stems

Notes:

Blue = General Start Settings

Black = Snapshot User Settings

(You do **NOT** have to have the same Moisture & Bu of a user's snapshot settings for them to work for you)

Keep your engine load between 85-100%. **You must keep the rotor as full as possible (especially when green)**, you can do this by slowing the rotor down, increasing ground speed or tightening the concaves, or adding covers

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

If you need to clean up the tank, try various sets of Top & Bottom Sieve and Fan combinations on this page. If you still have little stems in the tank it's possible you are over-threshing and need to remove a cover

Vanes in **SLOW** for all crops

CORN XPR 2

Concave 21
Rotor 330
Fan 1210
Top Sieve 21
Bottom Sieve 19
Pre-Sieve 7 or 14
Covers None
Sieve Offset 0
100% Engine Load

CORN XPR 2

Concave 22
Rotor 300
Fan 1200
Top Sieve 18
Bottom Sieve 16
Pre-Sieve 5
Covers None
~23% ~260 Bu

CORN XPR 2

Concave 18
Rotor 380
Fan 1200
Top Sieve 17
Bottom Sieve 14
Pre-Sieve 4
Covers None
~18% ~230 Bu

CORN XPR 2

Concave 21
Rotor 430
Fan 1300
Top Sieve 14
Bottom Sieve 20
Pre-Sieve 5
Covers None
~25% ~230 Bu

CORN XPR 2

Concave 22
Rotor 290
Fan 1100
Top Sieve 17
Bottom Sieve 15
Pre-Sieve 5
Cover None
~18% ~220 Bu

CORN XPR 2

Concave 30
Rotor 420
Fan 1150
Top Sieve 14
Bottom Sieve 19
Pre-Sieve 4
Sieve Angle Offset -3.0
Covers None
~32% ~260 Bu

CORN XPR 2

Concave 27
Rotor 470
Fan 1240
Top Sieve 17
Bottom Sieve 14
Pre-Sieve 4
Covers None
~22% ~260 Bu

CORN XPR 2

Concave 14
Rotor 460
Fan 1300
Top Sieve 17
Bottom Sieve Max Open
Pre-Sieve 5
Covers None

Notes:

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Black = Snapshot User Settings

(You do **NOT** have to have the same Moisture & Bu of a user's snapshot settings for them to work for you)

Set your concave at 26 and rotor at 300. Tighten the concave until you notice the first cracked kernel, then back off 1-2mm. Then, if you are seeing any rotor loss at 300, increase your rotor by 10 RPM until it subsides. If you are leaving any kernels on the cob, tighten the concave by 1mm until no kernels are left on cob.

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 need to clean up the tank, try various sets of Top Sieve, Sieve and Fan combinations on this page

If you are in wet or high moisture corn, try your rotor at 400-450 and concave at 20-24

If you are going for HIGH yield to LOW yield you can also put on 1-2 covers on your first module.

If you are seeing any pericap damage, tighten your rotor by 1mm until it goes away

Vanes in **SLOW** for all crops

WHEAT

WHEAT XPR 2

Concave 5
Rotor 900
Fan 1000
Top Sieve 18
Bottom Sieve 6
Pre-Sieve 2 or 5
Covers None
Sieve Offset 0
100% Engine Load

WHEAT XPR 2

Concave 0-3
Rotor 1100
Fan 1200-1350
Top Sieve 15-19
Bottom Sieve 2-7
Pre-Sieve 2
Covers None
~11% 65 Bu

WHEAT XPR 2

Concave 2-4
Rotor 820-860
Fan 1350
Top Sieve 13
Bottom Sieve 4
Pre-Sieve 2
Covers None
~12% 45 Bu

WHEAT XPR 2

Concave 8-10
Rotor 910
Fan 1150-1200
Top Sieve 18
Bottom Sieve 6
Pre-Sieve 3
Covers None
~11% 60 Bu

WHEAT XPR 2

Concave 23
Rotor 910
Fan 880
Top Sieve 19
Bottom Sieve 15
Pre-Sieve 3
Covers None
~12% 120 Bu

WHEAT XPR 2

Concave 6-8
Rotor 900-1000
Fan 1200
Top Sieve 16
Bottom Sieve 6
Pre-Sieve 2
Covers None
~12% 80 Bu

WHEAT XPR 2

Concave 5
Rotor 870-900
Fan 1130
Top Sieve 17
Bottom Sieve 8
Pre-Sieve 2
Covers None
~12% 55 Bu

WHEAT XPR 2

Concave 10
Rotor 980
Fan 1100
Top Sieve 18
Bottom Sieve 8
Pre-Sieve 2
Covers None
~13% 70 Bu

Notes:

Blue = General Start Settings

Black = Snapshot User Settings

(You do **NOT** have to have the same Moisture & Bu of a user's snapshot settings for them to work for you)

If you are having any unthreshed heads, increase your rotor speed up to 1000-1100 and tighten your rotor down to 0-2

If you are having little pieces of straw in the tank, make sure your fan is wide open and try the sieve settings on this page. It's possible you are overthreshing too and can remove a cover.

If you are seeing any rotor loss (not header loss) then increase your capacity by removing a cover plate. You might have to increase your rotor speed and tighten your concave some when you remove a cover.

Some TAILINGS are OK, that's the purpose of the rethresher.

Vanes in **SLOW** for all crops

If you are having sieve loss, try changing your Sieve Angle Offset, try +3 if it gets worse, go to -3 then dial it from there.

BARLEY XPR 2

Concave 6
 Rotor 840
 Fan 720
 Top Sieve 19
 Bottom Sieve 9
 Pre-Sieve 3
 Covers None
 3.5 - 4.8 MPH
 ~11-12 ~50 Bu

BARLEY XPR 2

Concave 7
 Rotor 940
 Fan 960
 Top Sieve 19
 Bottom Sieve 13
 Pre-Sieve 3
 Covers NoneH
 3 MPH
 ~10-12% ~100 Bu (Irrigated)

CANOLA XPR 2

Concave 28
 Rotor 780-840
 Fan 960
 Top Sieve 11
 Bottom Sieve 2
 Pre-Sieve 2
 Covers 1&2 LH; 1&2 RH
 ~11% ~50 bu

CANOLA XPR 2

Concave 24
 Rotor 670-760
 Fan 950-980
 Top Sieve 10
 Bottom Sieve 3
 Pre-Sieve 2
 Covers 1 LH; 1&2 RH
 ~12% ~80 bu

CHICKPEAS XPR 2

Concave 15-20
 Rotor 240-380
 Fan 600-800
 Top Sieve 15-18
 Bottom Sieve 7-12
 Pre-Sieve 3
 Covers 1 LH; 1 RH

CHICKPEAS XPR 2

Concave 6-12
 Rotor 380-580
 Fan 1000-1100
 Top Sieve 12-17
 Bottom Sieve 5-9
 Pre-Sieve 3
 Covers None

EDIBLE BEANS XPR 2

Concave 15-18
 Rotor 380-500
 Fan 1000-1200
 Top Sieve 16-19
 Bottom Sieve 10-13
 Pre-Sieve 3
 Covers 1 LH; 1&2 RH
 Green Pods

EDIBLE BEANS XPR 2

Concave 20-24
 Rotor 280-340
 Fan 1000-1150
 Top Sieve 16-19
 Bottom Sieve 10-13
 Pre-Sieve 3
 Covers 0 LH; 2 RH
 Some Green Pods

EDIBLE BEANS XPR 2

Concave 25-35
 Rotor 260-320
 Fan 900-1100
 Top Sieve 16-19
 Bottom Sieve 10-13
 Pre-Sieve 3
 Covers None
 Dry

FIELD PEAS XPR 2

Concave 15-20
Rotor 260-3380
Fan 750-950
Top Sieve 16-19
Bottom Sieve 8-12
Pre-Sieve 3
Covers 1 LH; 1&2 RH

FLAX XPR 2

Concave 0-6
Rotor 750-950
Fan 800-950
Top Sieve 7-12
Bottom Sieve 1-4
Pre-Sieve 2
Covers 1 LH; 1&2 RH

LENTILS XPR 2

Concave 8-14
Rotor 320-500
Fan 750-950
Top Sieve 12-14
Bottom Sieve 4-6
Pre-Sieve 3
Covers 1 LH; 1&2 RH

MILO XPR 2

Concave 2
Rotor 660
Fan 1200
Top Sieve 7
Bottom Sieve 3
Pre-Sieve 3
Covers 1 LH; 1 RH
~10-12% ~40 Bu

MILO XPR 2

Concave 9-10
Rotor 640-680
Fan 1200
Top Sieve 12
Bottom Sieve 5
Pre-Sieve 3
Covers 1 LH; 1&2 RH
~10% ~40-60 Bu

MILLET XPR 2

Concave 4-6
Rotor 300-500
Fan 700-900
Top Sieve 8-13
Bottom Sieve 2-6
Pre-Sieve 3
Covers 1 LH; 1&2 RH

OATS XPR 2

Concave 15-17
Rotor 480-580
Fan 900-1000
Top Sieve 16
Bottom Sieve 12
Pre-Sieve 3
Covers None

OATS XPR 2

Concave 12-14
Rotor 600-750
Fan 900-1000
Top Sieve 13
Bottom Sieve 7
Pre-Sieve 3
Covers None

POPCORN XPR 2

Concave 22-28
Rotor 220-280
Fan 1050-1240
Top Sieve 17-20
Bottom Sieve 12-15
Pre-Sieve 3
Covers None

RICE XPR 2

Concave 5-8
Rotor 450-550
Fan 1000-1200
Top Sieve 12-18
Bottom Sieve 4-8
Pre-Sieve 3
Covers None

RICE XPR 2

Concave 8-18
Rotor 700-850
Fan 1000-1200
Top Sieve 16
Bottom Sieve 8
Pre-Sieve 3
Covers None

RYE XPR 2

Concave 4-8
Rotor 650-920
Fan 850-950
Top Sieve 13-17
Bottom Sieve 2-5
Pre-Sieve 3
Covers 1&2 LH; 1&2 RH

SESAME XPR 2

Concave 15-25
Rotor 220-300
Fan 550-650
Top Sieve 0
Bottom Sieve 0
Pre-Sieve 2
Covers None

SUNFLOWERS XPR 2

Concave 32-45
Rotor 240-340
Fan 750-950
Top Sieve 10-14
Bottom Sieve 9-12
Covers 2&4 LH; 2&4 RH
(1st open, 2nd cover, etc)

SUNFLOWERS XPR 2

Concave 23-28
Rotor 280-380
Fan 900-1100
Bottom Top Sieve 13-15
Sieve 7-10
Covers None

**COVERS FYI
FOR ALL CROPS**

If the setting were to say
2&4 LH; 2&4 RH, for example
this would mean

1st LH NO COVER

2nd LH COVER

3rd LH NO COVER

4th LH COVER

1st RH NO COVER

2nd RH COVER

3rd RH NO COVER

4th RH COVER

(see image on page 8 on
installation instructions for
numeric reference)

CROP NOT LISTED?

email us at: contact@estesperformanceconcaves.com

How To Setup Harvest Command

<https://bit.ly/3k7AA3T>

CASE IH FLAGSHIP XPR 2 INSTALLATION

CONCAVES

The **1L and 1R concaves** go in the **#1 position** (front of rotor). The **2L & 2R concave** go in the **#2 position**.

The **L & R concaves** both come with **2 covers**. The **LH covers** will fit either the **1L or 2L concave** and the **RH covers** will fit either the **1R or 2R concave**.

Once installed, run your concave from 0mm to wide open, then back to 0mm then Calibrate your Concave Clearance.

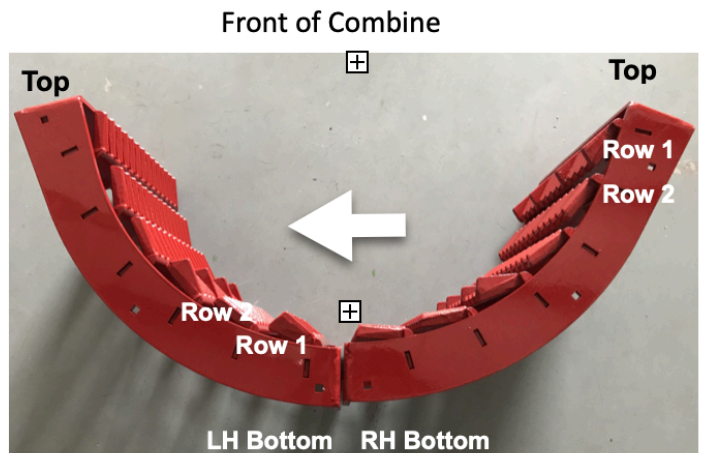
Set ALL your vanes to the SLOW position for ALL crops.



SEPARATION GRATES

For XPR 2 with 1LH & 1RH Xtreme Separation Grates, install in the **3RD POSITION**. For XPR 2+ with 2LH & 2RH Xtreme Separation Grates, install in **3RD & 4TH POSITIONS**. The **FINGERS POINT TO THE LEFT** (as if sitting in the combine drivers seat).

Turn the rotor **SLOWLY** when checking clearance so that you do not break any fingers. If the rasp bars ting any of the fingers, knock the edge off the finger with a grinder so they don't hit (there are many types of rasp bars of various heights, some ting some don't).

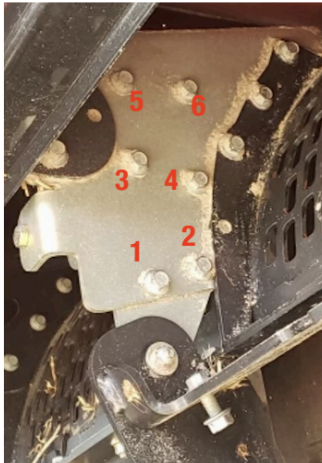


DOUBLE CHECK BOLTS on separation grate, make sure they are tight (approx 60 FT LBS).

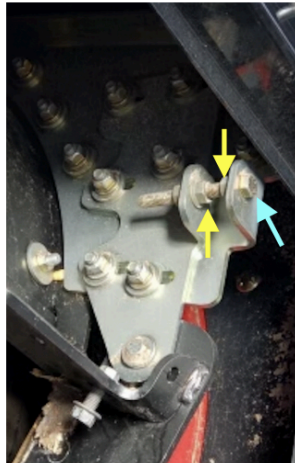
ROTOR BARS

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 rasp 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.**

SHIFT ROTOR CAGE



Set concave to 0. **LOOSEN** the bolts on both the front and rear module carrier supports on right side of machine. 6 bolts shown, some may only have 4 bolts.



Adjust the nuts (yellow arrow) closer together. Tighten the draw bolt (blue arrow) moving the rotor cage to the right (as if sitting in drivers seat). Tighten draw bolt until the rotor bars ting the concaves when you spin the rotor, then back off until the ting stops. Tighten the bolts on the front and rear module carrier supports 103 ft lbs

***Ticks on bars 9 or 10 when shifting the rotor cage**

COVER PLATES

If you are immediately harvesting crops that require cover plates. **TIGHTEN your cover plates.**

Make sure the hook is facing DOWN (see image to the left) then tighten the turnbuckle and jam nut.

Also make sure that the **cover plate lip** (on turnbuckle side, see image to the left) **is sitting on top of the bar.** Give it a healthy jab to make sure.



PARTS REFERENCE

LH grate contains 2 Large inserts
and 4 Small inserts, see page 8 for reference
(rows 1 and 3)

RH grate contains 2 Large inserts
and 4 Small inserts, see page 8 for reference
(rows 1 and 4)

