

Machine Component Recommendations

FEEDERHOUSE DRIVE SPROCKET

26T Sprocket

22T Sprocket with Feed Acc. Slow Down Kit

CONCAVES

Round Bar Concaves

Check Auger Bed Distribution

Install Covers if Necessary

SEPARATOR GRATES

HD Separator Grates with Interrupters

Grate Spacers installed for Corn

FRONT CHAFFER

Install Raised Front Chaffer Covers

S680/S780/S690/S790 ONLY

Remove Front Chaffer Extension

Install (4) Front Chaffer Fingers

Install Class 7 Windboard

Machine Settings Recommendations

ROTOR SPEED 350-400 RPM

Less than 350 RPM creates separator loss

Over 400 RPM creates more grain damage

CONCAVE CLEARANCE

Set based off cob diameter in field + 2-3 mm

Higher moisture may require +3-5 mm

FAN SPEED MAX 1350 RPM

CHAFFER

Calibrate Clearance Correctly

17-19 as starting point

Do not exceed cob diameter

SIEVE

Mostly to fully open (18-22)



GOT QUESTIONS?

Resources

www.greenmarkequipment.com

www.johndeere.com

High Moisture Corn

RECOMMENDATIONS

GREENMARK 2022 FALL STUDY



Feederhouse Details

26T SPROCKET USED WITHOUT FEED ACCELERATOR SLOW DOWN KIT

22T SPROCKET USED WITH FEED ACCELERATOR SLOW DOWN KIT

FAST	FH SPROCKET	ROTOR
320	22	300
320	26	250
320	32	250
320	15	300
440	22	500
440	26	400
440	32	350
440	38	350
440	15	400
500	22	400
500	26	400
500	32	300
500	38	400
500	15	500

Concaves



Cleaning Shoe Optimization *S680/S690/S780/S790*



CREATE EVEN DISTRIBUTION

Adjust Auger Beds First

Install Concave Covers if Necessary

MONITOR AND ADJUST AS CROP MOISTURE CHANGES

INSTALL RAISED FRONT CHAFFER COVERS

Cleans Grain Earlier

Reduces Fines

Separator Grates

INSTALL HD GRATES WITH INTERRUPTOR BAR

Provides Extra Separation

More Capacity

INSTALL GRATE SPACERS



RECOMMENDATIONS

REMOVE FRONT CHAFFER EXTENSION

Helps Utilize Full Length of Cleaning Shoe
Fan Air Hits Grain/Chaff Earlier

INSTALL FINGERS IN PLACE OF FRONT CHAFFER EXTENSION

Allows grain separation in higher air volume before dropping into sieve
Gentler handoff to chaffer

INSTALL CLASS 7 WINDBOARD

Creates 25% More Airflow to Chaffer/Sieve

