

Technical Specifications

Engine	
Model	E494
Max Power	100 HP (74 kW)
Air Cleaner	Dry Type
Engine Type	Trem IV 4-Cylinder, HPCR, Turbo charge Electronic Engine
Rated Engine Speed (RPM)	2100
Cooling System	Coolant
Cutter Bar	
Cutter Bar Width (ft)	14
Platform	Adjustable Type
Reel	
Reel Type	6 Bat
Speed Control	Electrically adjustable from operator platform
Height Control	Hydraulically Actuated
Threshing System	
Rasp bar and spike tooth	
Cylinder (WxD) (mm)	Rasp bar - 1020 x 610, Spike tooth - 1010 x 585
Separation Type	Straw walker with 8 wing beater and beater grate
Cleaning Area (m²)	2.45
Grain Tank Storage Capacity (m³)	2.7
Transmission	
Mechanical, combination of synchronizer and constant mesh spur gears with differential unit 4 F + 2 R	
Brakes	
Hydraulically actuated, Oil immersed disc brakes	
Clutch Type	
Dry Fiction Disc	
Tyre Size	Front Rear
	16.9 x 30 (0.43 x 0.76 m), 12 PR 7.5 x 16 (0.19 x 0.41 m), 12 PR
Speed Chart*	
Vehicle Speed at 2100 Engine RPM	Low Range (Km/h) High Range (Km/h)
A1	1.2 3
A2	2.4 6.1
B1	4.9 12.4
B2	10.0 25.1
R1	2.3 5.8
R2	4.7 11.8
Total Weight (Header+Combine) (kg)	7500
Fuel Tank Capacity (L)	240
Dimensions (Harvesting) L×W×H (mm)	8175 x 5945 x 3715
Ground Clearance (mm)	~ 360
Crops	Paddy, Wheat, Soybean, Cluster Bean, Corn, Pigeon Peas, Chick Peas, Black Gram, Sorghum, Pearl Millet, Finger Millet, Mustard, Peas, Barley, Sunflower, Coriander
Factory Fitted Options	Straw Management System

*Speeds may vary based on various road/field conditions.

John Deere India Private Limited

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For more information, please contact our authorised dealer or nearest area office.

Please note: Improvement in the product is a continuous process. Hence the information given in this brochure is subject to change without prior notice. Accessories shown are not the part of standard equipment.

• Tractors • Implements • Harvesters • Finance • Parts



W70 SynchroSmart Combine Harvester PowerPro - 8 Pgs Brochure - 0923 English 280923



JOHN DEERE

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WELCOME ADVANCED TECHNOLOGY, THAT USHERS IN PROSPERITY!

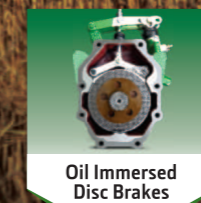
NEW
W70 SYNCHROSMART
COMBINE HARVESTER
POWERPRO



Advanced TremIV Engine



Sychromesh Gear Box



Oil Immersed Disc Brakes



Power Bulge



Rice



Wheat



Soybean



Corn



Now also available with Corn Header

Multi Crop

Harvesting : Critical for Productivity

The new age Indian farmer aspires for global standards of farm productivity . A journey in which timely harvesting and preparing the land for next crop is critical. John Deere's W70 SynchroSmart Combine Harvester Powerpro provides a complete solution to

these challenges. Now , farmers can experience freedom from rising labour costs, dependence on timely availability of labour and harvesting losses resulting in higher output every season.

John Deere : The Name You Can Trust In Mechanized Harvesting

John Deere has been in the forefront of helping farmers the world over, enhancing their productivity through farm mechanization. In addition to the world renowned tractors and other farm equipment, John Deere has been manufacturing self propelled combines since 1947. Now John Deere brings this legacy and experience in service of farmers in India, in the form of its W70 SynchroSmart Combine Harvester Powerpro.

- A high performance machine that
- Reduces crop losses during harvesting
 - Reduces dependence on labour
 - Saves time over manual harvesting
 - Helps in maintaining faster turn around time between crops
 - Increases productivity and income

W70 SynchroSmart Combine Harvester PowerPro



John Deere Promise
WARRANTY

* Conditions apply.

Also
Suitable for:



Mustard



Arahar Dal



Gram



Barley



Sunflower



Sorghum



Finger millet



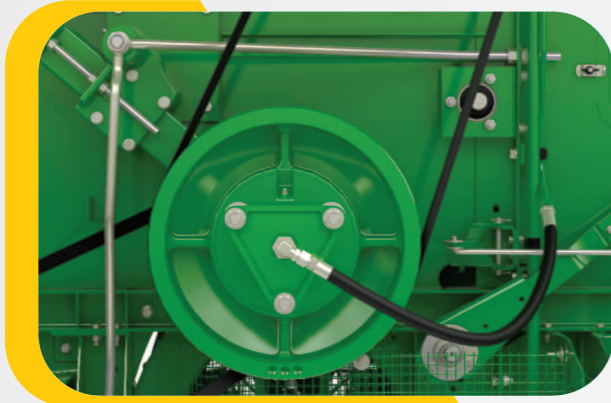
Moong



Urad Dal

Features that make W70 SynchroSmart Combine Harvester PowerPro a Champion

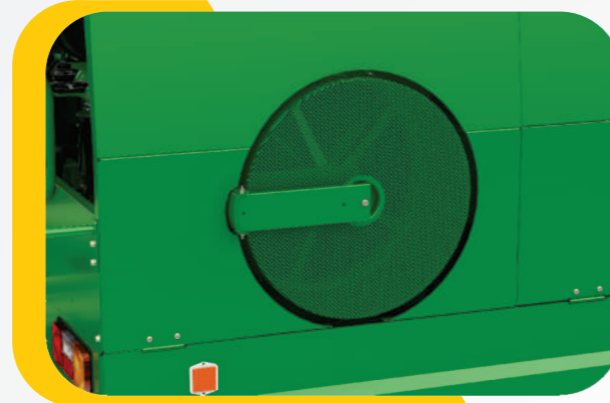
Posi Torque Drive - Ground and Thresher



Value for you

- Harvester works effectively in moist and undulating field conditions.
- Helps to easily cross field bunds and ridges.
- Helps to avoid choking of thresher in bunch feeding crop conditions.
- The life of the belt increases due to less belt slippage.

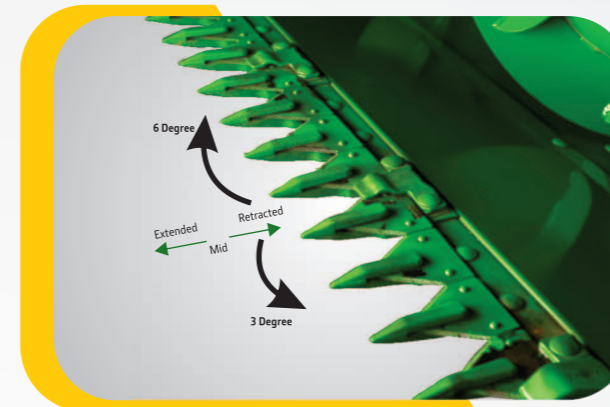
Self Cleaning Radiator



Value for you

- The rotary screen protects the radiator from being choked.
- Enhances the engine life.
- No need to clean the radiator frequently – saves time.
- Ensures safety of operator or helper.

Adjustable Cutter Bar



Value for you

- Platforms can be adjusted backward / forward & cutter bar can be adjusted upward / downward depending on crop condition and crop type.
- Retracted position: For crops that are down or less in height.
- Extended position: For standing, tall, heavy-stemmed crops such as grain sorghum, tall wheat, and soybeans.
- Mid position: suitable for most crops and conditions.
- Angle adjustment helps in cutting of small height crops like chickpea.

6 Bat Reel



Value for you

- The 6-bat reel ensures even loading, hence avoiding clogging of crop material.
- It improves feeding to cutter bar, minimizing header losses.

Electrically Operated Header Reel Speed Adjustment



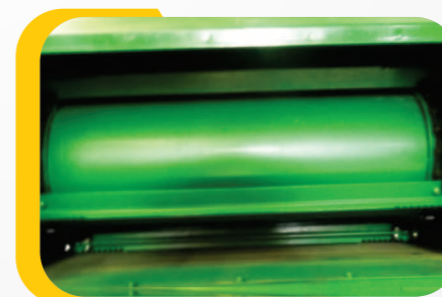
Value for you

- Provided electrical motor for reel RPM adjustment.
- It helps to optimize the header in multiple crops/conditions.



- Enables header reel RPM adjustment from operator station, No need to get down from the machine.
- Improves overall harvesting performance.

Adjustable Floating Drum Type Feeder House



Value for you

- floating drum allows height adjustment for various crops and crop conditions.
- Spring loading mechanism ensures uniform feeding of the crop and avoid choking.
- Reduces grain breakage during crop feeding.

Beater & Beater Grate



Value for you

- 8 wing large diameter beater & beater grate provide excellent material handling and increases threshing capacity significantly.
- It can be easily set to perform in wide range of crops and conditions.

Oil Immersed Disc Brakes

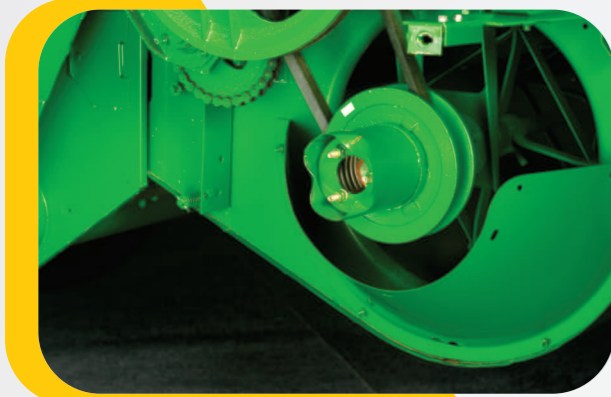


Value for you

- Effective braking.
- Less heat is generated during braking.
- It enhances life of brake disc.
- Less maintenance required due to less wear.

Features that make W70 SynchroSmart Combine Harvester PowerPro a Champion

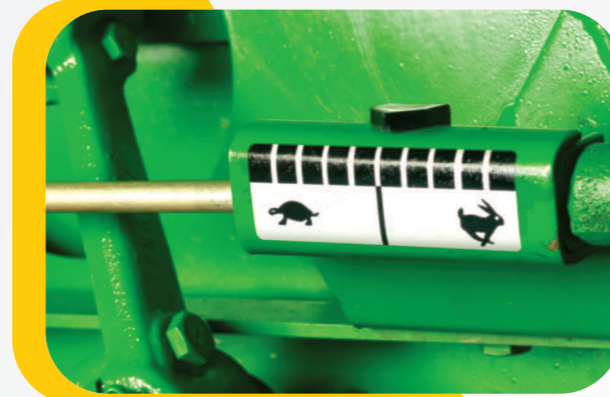
Blower



Value for you

- Helps in blowing out the chaff while allowing the grain to drop into the clean grain augur.
- Blower RPM can be adjusted for different variety of crops or crop conditions.
- Helps in cleaner grain quality.

Blower Speed Adjustment



Value for you

The speed of the blower can be adjusted as per the condition and the amount of crop.

Advanced TremIV Engine with Power Bulge



Value for you

- Advanced TremIV Engine with Power Bulge with HPCR (High pressure common rail) technology which provides optimum power to harvest the crops in adverse field conditions also.
- Power bulge helps in harvesting of moist & lodged crops or during sudden overloads.
- The isochronous governing feature allowing the engine speed to remain fairly consistent and stable irrespective of the load and thus enabling the functional speed of various systems such as threshing, separating leaning etc. to run at best optimum speed for better efficiencies.
- HPCR electronic engine enhances machine performance, optimizes fuel consumption, provides advanced diagnostic capabilities and quieter operations.

Light Weight Machine



Value for you

- Light weight and compact harvester can work in wet & small fields.
- Compact design helps in crossing thru narrow lanes.
- Saves fuel due to light wight and offers high productivity.
- Low soil compaction due to light weight.

Tilt Steering and Adjustable Operator Seat



Value for you

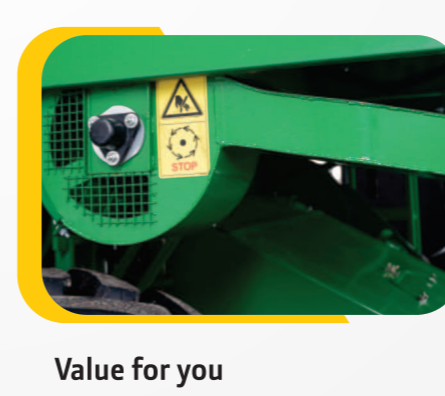
- Seat and steering column can be adjusted as per operator's requirements.
- Helps in comfortable driving and less fatigue, even during long hours of operation.
- Improves operator efficiency.



Value for you

- All controls and levers are conveniently positioned and easily accessible with a built-in warning system. These controls are colour coded and clearly marked for easy identification.

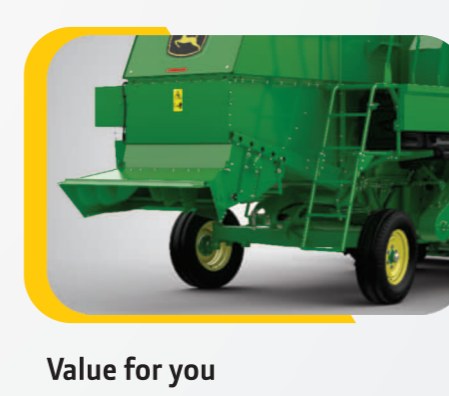
Dust Diverter



Value for you

- Blows the dust coming towards operator.
- Increases operator efficiency.

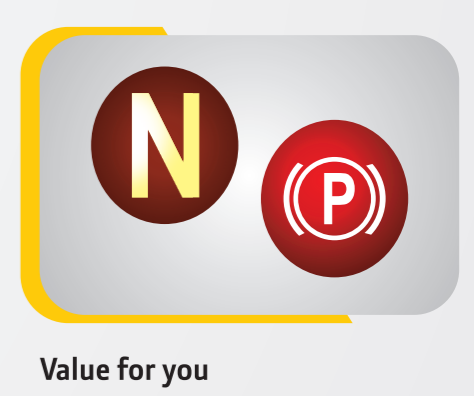
Straw Management System[#]



Value for you

- The straw is cut into small pieces and spread evenly, so that it can mix well with the soil.
- It helps to improve soil fertility.
- It helps reduce post harvest operation by effectively managing the straw.

Neutral start and Park brake alert



Value for you

- Neutral start switch helps in safety of the operator and others around the machine while starting.
- Parking brake indicator helps to indicate the operator not to move the machine with park brake engaged.