

Orchard and Vineyard

Specialty Tractors



JOHN DEERE



JOHN DEERE SPECIALTY TRACTORS

MORE POWER.¹ MORE CHOICES.

Competitively priced with build-your-own models, get what you need and don't worry about what you don't. Specialty Tractors are technology-accessible to deliver verifiable documentation for data-driven results.

Whether you specialize in orchards or vineyards, you'll find specialty tractors and precision technology tailored to your needs.



¹ Compared to previous John Deere 5 Series Specialty Tractor options.



Producers from coast to coast rely on Specialty Tractors from John Deere. From width and height to horsepower and features, every specialty model is designed to accommodate unique agricultural operations - including the one you manage.

As you go through this brochure, you'll quickly discover how John Deere Specialty Tractors answer the call of growers across the country.

5EN	4-7
5ML	8-9
Technology	10-11
Spraying	12
Support & Service	13
Specifications	14-15

5EN TRACTORS

*NARROW BUILD.
BIG CAPABILITIES.*

The 5EN Tractor is the perfect fit. Featuring its narrow frame, the 5EN Tractor can glide through tight rows of orchards and vineyards with ease. With three horsepower options, choose the level of power you need to pull crucial implements for spraying, trimming, mowing, handling fruit, or transporting.

Experience more comfort with the redesigned 5EN cab. Effectively monitor and manage your operation with Precision Technology, featuring a JDLink™ modem¹ as standard equipment, optional G5 Display, StarFire™ Receiver, AutoTrac™ Universal Ready, and complimentary access to John Deere Operations Center™ for analyzing machine performance, maintenance, and agronomic data.





By The Numbers

75 HP | 90 HP | 105 HP

More power.² Period.

CAT II & IV

Improved filtration system.³

AS **51.6"** WORKING
NARROW AS WIDTH

(1.3 m)

Perfect for navigating tight rows.

JDLink™ hardware comes standard with the machine. You can turn on JDLink connected service in your John Deere Operations Center™ account for free. JDLink requires a cellular connection to transfer information from machine to Operations Center. Consult your John Deere Dealer for coverage availability.

² Compared to previous John Deere 5 Series Specialty Tractor options.

³ Compared to previous John Deere 5 Series Specialty Tractor options. New cab includes Cat II and the option to switch to Cat IV for a higher level of filtration.

WHY THE 5EN IS SPECIAL

You've seen Specialty Tractors from John Deere before—*maybe even a 5 Series*. But we promise, you've never seen one like this.

We've taken feedback from growers and built you a tractor we think you'll love.



ENGINE POWER

75 HP || 90 HP || 105 HP

TRANSMISSION OPTIONS:

PowrReverser™

- 4 gears and 3 ranges (12x12 PR)
- 4 gears and 3 ranges HiLo (24x12 PR)

Creeper Transmission

Optional creeper transmission when slower speeds desired

STANDARD MECHANICAL FRONT-WHEEL DRIVE (MFWD)

HYDRAULIC SYSTEM

Open Center

- Up to 24.8 GPM (94 L/m)
- Up to 3 rear SCVs optional

WHY THE 5EN?



- **More Comfort than Ever -**
flat floor, ergonomic controls, digital display interface
- **Climate-Controlled**



- **Cat II and Cat IV Filtration –**
convertible to Cat II filter, extended Cat IV life span



- **LED Lights -**
for clear low lighting or night conditions



- **JDLink™ Modem¹**
- **StarFire™ Receiver**
- **G5 Display Options**

✓ STAY CONNECTED WITH PRECISION TECHNOLOGY

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5ML TRACTORS

LOW PROFILE. HIGH REWARD.

POWERFUL & EFFICIENT

From the high-power engine aided by a high-efficiency transmission to the premium cab experience, the 5ML is an excellent option for growers.

The 5ML Tractor easily maneuvers orchards and vineyards with a low-profile and working width as narrow as 61 in. (1.6 m). It can be equipped with up to four selective control valves (SCVs), optionally with additional mid-SCV couplers. And with integrated John Deere Precision Technology¹ such as JDLink™, StarFire™ 7500, AutoTrac™, and iTEC™ Basic, you have the machine performance and field management tools you need to effectively monitor and manage your operation.

By The Numbers

105 HP | 120 HP | 130 HP

More power.² Period.

UP
TO **31 GPM**

(117 L/min) Hydraulic Flow

AS
NARROW AS **61" WORKING
WIDTH**

(1.6 m)

5ML NARROW CAB

Perfect for navigating tight rows.

¹JDLink™ hardware comes standard with the machine. You can turn on JDLink connected service in your John Deere Operations Center™ account for free. JDLink requires a cellular connection to transfer information from machine to Operations Center. Consult your John Deere Dealer for coverage availability.

²Compared to previous John Deere 5 Series Specialty Tractor options.

A. TRANSMISSIONS

The 5ML offers you not one but three transmission choices – the PowrReverser™, PowrQuad™ PLUS, or the Powr8™. All options come with a left-hand reverser for clutch-free forward and reverse directional changes; plus a convenient, right-hand declutch button to easily change ranges.

B. HORSEPOWER

With horsepower ranging from 105-130, John Deere PowerTech™ engines provide plenty of power to operate larger-sized implements to help you accomplish more in less time.

C. INCREASED HITCH CAPACITY

Along with greater horsepower, the increased hitch capacity of the 5ML (optional on 105 and 120 horsepower models) helps maintain the load of your bigger implements. A larger hitch cylinder (up to 80 mm - 3.14 in.) elevates your total capacity to 7,868 pounds (3,568 kg) for OOS – making this tractor even more capable around the farm.

D. HYDRAULIC SYSTEMS

The 5ML Series features open center hydraulics on the 5105ML and 5120ML (OOS) with a standard pump rated output of 24.7 GPM (93.5 L/min), while the 5130ML comes equipped with a standard pressure flow compensated closed center hydraulic system with 31 GPM (117 L/min) rated output. Closed center is optional on 5105ML/5120ML. All models provide three selective control valves.

E. COOLING PACKAGE

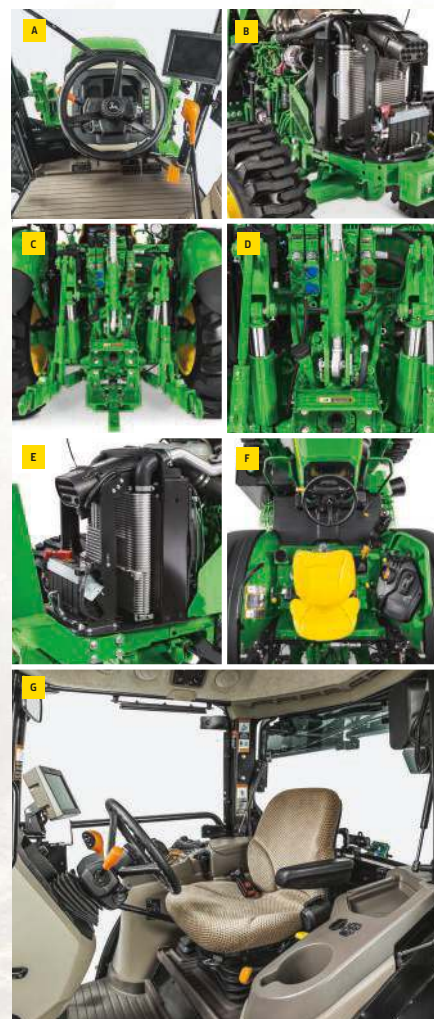
John Deere designed the 5ML with superior cooling packages to minimize engine heat. In addition to reducing heat and keeping the tractor cooler, it also extends the life of your components and reduces fluid consumption – keeping your machine in tip-top shape for years to come.

F. OPEN OPERATOR STATION

Performance is important, but so is comfort. That's where the operator station comes in with its relaxing, low-profile seat to help ease you into the workday. Complemented by a sloping hood, you'll also realize the benefit of superior visibility. And let's not overlook improved floor mats that reduce engine vibration for a quieter ride.

G. PREMIUM FACTORY-INSTALLED CAB

Enjoy head to toe comfort with spacious headroom, unmatched visibility, customizable digital display, ergonomically placed controls, intelligent programmable LED lights, plenty of storage, and a flat floor for more leg room. Optional features like limb lifters protect your sensitive crops, while the Cat IV Filtration System reduces dust, aerosols, and vapors getting into the cab.



MORE CONNECTION. MORE CONTROL.

With Integrated Precision Technology from John Deere—like JDLink™, StarFire™ Receiver, Orchard Mode, and John Deere Operations Center™—gain more control over your machines and achieve greater efficiency than ever before.

Orchard Mode provides a clear signal to unlock technology even under canopy. Simplify compliance and regulatory documentation requirements with tools in John Deere Operations Center.

Elevate performance and consistency across every operator by combining the StarFire™ 7500 Receiver with Orchard Mode and a rate controller, ensuring every job is completed as prescribed, across every acre.

Wondering if that section was sprayed?

Check it in Operations Center.

Enjoy peace of mind with accurate records and the ability to initiate remote support from your dealer.

**BETTER DATA.
BETTER DECISIONS.**

¹JDLink™ hardware comes standard with the machine. You can turn on JDLink connected service in your John Deere Operations Center™ account for free. JDLink requires a cellular connection to transfer information from machine to Operations Center. Consult your John Deere Dealer for coverage availability.

JOHN DEERE OPERATIONS CENTER™

*Manage your operation.
Anytime. Anywhere.*

PLAN
SETUP
MONITOR
ANALYZE

Simplify in-cab set up by planning work before operators begin field work.

Set up and manage your entire farm, including equipment, fields, products, and team.

Keep a pulse on your equipment and fields to ensure the right work is being done at the right time.

After work is done, evaluate your results and use precise data to determine what worked best as you begin planning next season



JDLink™ Modem¹

- Stream operation and machine data.
- Get connected support from your dealer.
- Works on older machines and other brands.
- Sync to John Deere Operations Center™ for more informed decision-making and planning.



G5 Display

- Bigger, high-resolution display for easy readability.
- Faster processing boots up quicker in the cold.
- Base includes Data Sync, Documentation, OTA Updates, and Remote Display Access.
- Factory-installed option on select 2024 and later models with CommandCenter™ controls.



StarFire™ Receiver

- Reduce your guesswork with more accuracy.
- Enable hands-free guidance capabilities.
- Consistent boundary settings every year.
- Easily adopt new technology at your pace.

¹JDLink™ hardware comes standard with the machine. You can turn on JDLink connected service in your John Deere Operations Center™ account for free. JDLink requires a cellular connection to transfer information from machine to Operations Center. Consult your John Deere Dealer for coverage availability.

NEXT-LEVEL SPRAYING

SMART APPLY™ INTELLIGENT SPRAY CONTROL SYSTEM

Smart Apply delivers precision application, precision data and analytics, and can elevate the performance of blast sprayers.

By sensing the presence of individual trees and vines, Smart Apply automatically adjusts spray volume based on tree size and foliage density. It optimizes protection, avoids over-spraying, and reduces both chemical and water use an average of 50%.

SEE YOUR DEALER FOR DETAILS.

¹ Based on results of an ASABE study, available here:
Spray Drift and Off-Target Loss Reductions with a Precision Air-Assisted Sprayer ([asabe.org/https://elibrary.asabe.org/abstract.asp?aid=44133](https://elibrary.asabe.org/abstract.asp?aid=44133))
Development of a Laser-Guided, Embedded-Computer-Controlled, Air-Assisted Precision Sprayer ([asabe.org/https://elibrary.asabe.org/abstract.asp?aid=48657](https://elibrary.asabe.org/abstract.asp?aid=48657))
Individual results will vary based on crop and spraying conditions.

SUPPORT & SERVICE

The John Deere Difference

Your John Deere equipment is a long-term investment. We understand that and provide more parts and an unrivaled dealer network to support you with:

- » The Right Part for Any Budget
- » Highly Trained Expert Technicians
- » 12 Months Parts & Labor Warranty²
- » Short & Long Term Financing Options

John Deere Financial

John Deere Financial offers value no other lender can—a deep understanding of your industry, unmatched equipment expertise, and personalized financial solutions that can be quickly arranged through your dealer at the time of your purchase.

Learn more online at:
JohnDeereFinancial.com
JohnDeereFinancial.ca

Protect Your Investment

PowerGard™ Protection Plan lets you purchase additional protection beyond the normal John Deere factory warranty. In addition, you can lock in annual maintenance costs³ on select John Deere products with the John Deere Protect™ Maintenance, Maintenance Plus Plan, or Maintenance Plus Wear Plan.

Ask your dealer for details, or
visit us online at
PowerGard.com | PowerGard.ca



² 12 month/unlimited hour warranty on new OEM agricultural parts installed by an authorized John Deere dealer. 6 month/unlimited hour warranty for all new OEM agricultural equipment parts. Terms, conditions, exclusions, and warranty limitations apply. See John Deere Service Parts Warranty US & Canada and participating dealer for more details.

³ Excludes diesel fuel and diesel exhaust fluid.

ORCHARD & VINEYARD TRACTORS

MODELS	5075EN	5090EN	5105EN
ENGINE			
Type	3 cylinder: 2.9L 179 cu in.	4 cylinders: 4.5L 276 cu in.	4 cylinders: 4.5 L 276 cu in.
Rated Engine Power HP (kW) ¹	75 (55) @ 2,100 rpm ²	90 (67.4) @2,400 rpm ²	105 (77.4) @2,400 rpm ²
Rated PTO power HP (kW)	OOS: 60.3 (45) @ 2,100 rpm ^{2†} Cab: 57.6 (43) @2,100 rpm ^{2†}	76.7 (57.2) @2,400rpm ²	90 (67.1) @2,400rpm ²
Fuel capacity, US gal. (L)	OOS: 18.50 (70 L) CAB: 19.10 (72.3)	28.53 (108)	28.53 (108)
TRANSMISSION			
Base equipment	12F/12R PowrReverser	Standard: PowrReverser™ 12F/12R	Standard: PowrReverser™ 12F/12R
Optional transmissions	24F/12R PowrReverser	Optional: PowrReverser™ 24F/12R	Optional: PowrReverser™ 24F/12R
Optional transmissions	---	---	---
Creeper option available	Yes	Yes	Yes
Drive	MFWD	MFWD	MFWD
PTO			
Type	Standard: 540/540E	Standard: 540/540E	Standard: 540/540E
Actuation	Electrohydraulic	Electrohydraulic	Electrohydraulic
HYDRAULICS			
Type: Base/Option	Open Center	Open center	Open center
Pump rated output GPM (L/min) Base/Option	11.5 (43.4)	18.2 (68.8)	18.2 (68.8)
Rear SCVs, Base/Option Mid SCVs, Base/Option	Standard: Two Optional: Three Standard: Zero Optional: Up to Two	Standard: Two Optional: Three Standard: Zero Optional: Up to Two	Standard: Two Optional: Three Standard: Zero Optional: Up to Two
Hitch category, SAE	Category 2N; convertible to 1	Category 2N; convertible to 1	Category 2N; convertible to 1
Max Lift Cap. Behind Lift Pts lb (kg)	3,064 (1,390)	3,064 (1,390)	3,064 (1,390)
DIMENSIONS			
Wheelbase, in. (mm)	76.8 (1,950)	88.6 (2,250)	88.6 (2,250)
Minimum width, in. (m)	As narrow as 51.7 in. (1.3 m)	As narrow as 51.7 in. (1.3 m)	As narrow as 51.7 in. (1.3 m)
Turning radius, ft (m)	15.3 (4.65)	16.99 (5.18)	16.99 (5.18)
Average shipping weight, MFWD	OOS: 6,336 lb (2,874 kg) Cab: 6,415 lb (2,910 kg)	7,840 lb (3,556 kg)	7,840 lb (3,556 kg)

¹Manufacturer's estimate of power (ISO) per 97/68/EC. Power output is within + or - 5% at standard SAE J 1995 and ISO3046.²Horsepower at rated speed effective 2025[†]PTO horsepower will vary based on tractor configuration.

- All specifications subject to change. See dealer for details.

ORCHARD & VINEYARD TRACTORS

MODELS	5105ML	5120ML	5130ML
ENGINE			
Type	4-cylinder: 4.5 L 276 cu in.	4-cylinder: 4.5 L 276 cu in.	4-cylinder: 4.5 L 276 cu in.
Rated Engine Power HP (kW) ¹	105 (77.4) @ 2,200 rpm ²	120 (92) @ 2,200 rpm ²	130 (99.7) @ 2,200 rpm ²
Rated PTO power HP (kW)	90 (66.2) @ 2,100 rpm ^{2†}	114 (85) @ 2,200 rpm ^{2†}	115 (85.7) @ 2,100 rpm ^{2†}
Fuel capacity, US gal. (L)	PowrReverser™: 29.6 (112) PowrQuad/Powr8™: 38 (144)	PowrReverser™: 29.6 (112) PowrQuad/Powr8™: 38 (144)	38 (144)
TRANSMISSION			
Base equipment	OOS: 16F/16R PowrReverser Cab: PowrQuad PLUS 16F/16R	OOS: 16F/16R PowrReverser Cab: PowrQuad PLUS 16F/16R	OOS/Cab: PowrQuad PLUS 16F/16R
Optional transmissions	OOS: PowrQuad™ PLUS 16F/16R and Powr8 32F/16R	OOS: PowrQuad PLUS 16F/16R and Powr8 32F/16R	OOS: Powr8 32F/16R
Optional transmissions	Cab: Powr8 32F/16R with creeper	Cab: Powr8 32F/16R with creeper	Cab: Powr8 32F/16R with creeper
Creeper option available	Available with Cab	Available with Cab	Available with Cab
Drive	MFWD	MFWD	MFWD
PTO			
Type	OOS Standard: 540/540E OOS Optional: 540/540E/1000 Cab: 540/540E/1000	OOS Standard: 540/540E OOS Optional: 540/540E/1000 Cab: 540/540E/1000	Standard: 540/540E/1000
Actuation	Electrohydraulic	Electrohydraulic	Electrohydraulic
HYDRAULICS			
Type: Base/Option	Open Center/Closed Center	Open Center/Closed Center	Closed Center
Pump rated output GPM (L/min) Base/Option	OOS: 24.7 (94)/31 (117) Cab Standard: 31 (117)	24.7 (94)/31 (117)	31 (117)
Rear SCVs, Base/Option Mid SCVs, Base/Option	3 0 up to 3	3 0 up to 3	3 0 up to 3
Hitch category, SAE	2	2	2
Max Lift Cap. Behind Lift Pts lb (kg)	OOS: 4,900 (2,223)-7,868 (3,569) Cab: 5,996 (2,720)-6,883 (3,122)	OOS: 4,900 (2,223)-7,868 (3,569) Cab: 5,996 (2,720)-6,883 (3,122)	OOS: 6,975 (3,164)-7,868 (3,569) Cab: 5,996 (2,720)-6,883 (3,122)
DIMENSIONS			
Wheelbase, in. (mm)	OOS/Cab: 92.5 (2,350) Narrow: 90.5 (2,300)	OOS/Cab: 92.5 (2,350) Narrow: 90.5 (2,300)	OOS/Cab: 92.5 (2,350) Narrow: 90.5 (2,300)
Minimum width, in. (m)	As narrow as Standard Axle: 71.9 in. (1.8 m) Narrow Axle: 61.5 in. (1.6m)	As narrow as Standard Axle: 71.9 in. (1.8 m) Narrow Axle: 61.5 in. (1.6m)	As narrow as Standard Axle: 71.9 in. (1.8 m) Narrow Axle: 61.5 in. (1.6m)
Turning radius, ft (m)	OOS: 11 (3.35) Cab: 13 (4)	OOS: 11 (3.35) Cab: 13 (4)	OOS: 11 (3.35) Cab: 13 (4)
Average shipping weight, MFWD	OOS: 8,740 lb (3,964 kg) Cab: 10,640 lb (4,826 kg)	OOS: 8,740 lb (3,964 kg) Cab: 10,640 lb (4,826 kg)	OOS: 9,280 lb (4,209 kg) Cab: 10,640 lb (4,826 kg)

¹Manufacturer's estimate of power (ISO) per 97/68/EC. Power output is within + or - 5% at standard SAE J 1995 and ISO3046.

²Horsepower at rated speed effective 2022.

[†]PTO horsepower will vary based on tractor configuration.

- All specifications subject to change. See dealer for details.

DISCOVER ORCHARD & VINEYARD TRACTORS AT
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