

# FORD 7000





**Now available with 16-speed Dual Power.  
The 83-hp Ford 7000...  
with exclusive Load Monitor.**



**Engine.** The 83-horsepower turbo-charged engine delivers the power needed for today's high-speed farming... helps you eat up acres in a hurry. Strong, massive working parts provide great endurance... reliable engine performance. Big - capacity, dual element dry air cleaner with dash-mounted warning light helps protect engine from dust.

**Transmission and PTO.** Now you can get 8-speed or 16-speed Dual Power transmission in the rugged Ford 7000. Eight-speed is standard, 16-speed optional. Strong constant-mesh helical gears provide quiet running and positive performance. With the 16-speed Dual Power transmission, you power-shift on-the-go from

Direct Drive to Power Drive and back again. The husky 13-inch clutch is smooth, dependable. Fully independent 540/1000 rpm PTO gives you flexibility for all kinds of power-take-off work.

**Load Monitor hydraulics.** Ford's famous 3-point hitch, coupled with amazing Load Monitor, gives you a remarkably versatile hydraulic sys-



Meet the turbocharged 83-horsepower Ford 7000. A high performance tractor for high-speed farming. Exclusive Load Monitor automatically controls draft of mounted, semi-mounted and pull-type implements. It's standard on the Ford 7000. Big, turbocharged 256 CID engine is protected

by a large dual element dry air cleaner. Now, the 7000 is available with optional 16-speed Dual Power—the transmission that lets you shift on-the-go from Direct Drive to Power Drive. Boost pull power at the flip of a lever. New two-speed PTO gives you flexibility to use 540 and 1000 rpm power-

take-off equipment. New super-comfort seat makes long days on the 7000 seem shorter and easier. And, with remote hydraulics, you get Ford's new quick-couplers that are easy to connect and disconnect, even with pressure in the lines.



tem. It provides draft control of pull-type, semi-mounted or mounted implements. You have to see the Load Monitor system in action to fully appreciate it. Watch it control a pull-type chisel plow. A short-coupled row-crop cultivator. A semi-mounted moldboard plow. Compare it with any other tractor hydraulic system—see why it's called one of the greatest ad-

vances in tractor hydraulics since the 3-point hitch. For the full story on this amazing Ford advance in tractor hydraulics, see pages 6 and 7.

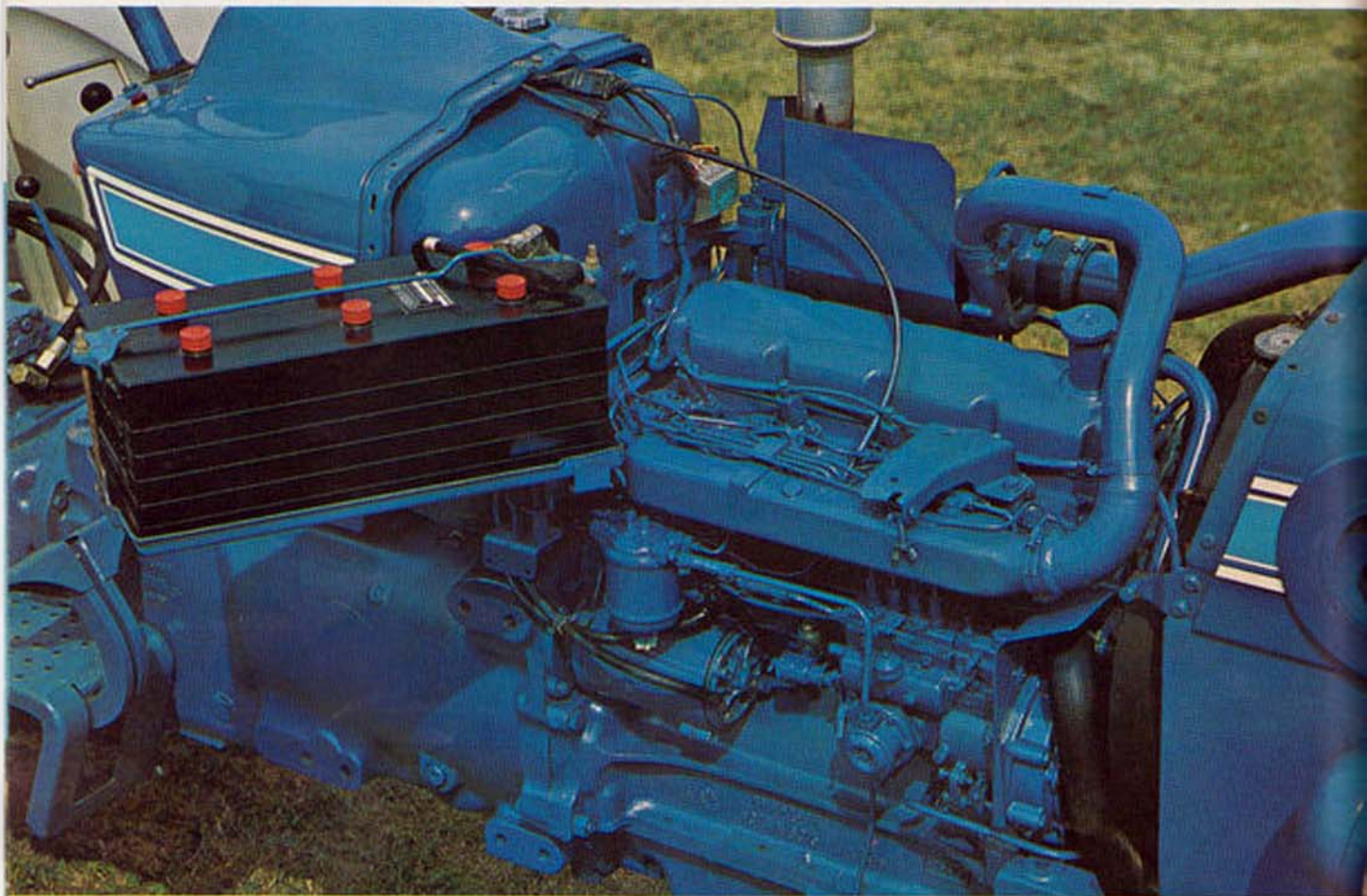
**Comfort and convenience.** Stretch your legs and get comfortable. Settle into the 7000's new super-comfort seat. Adjust it fore and aft and to your weight. Relax. Deep cushioned seat and backrest absorb the jolts. Enjoy

the ease of power steering—the smoothness of multiple disc brakes. Controls are easy to reach, easy to operate. You'll feel better at sundown after a day on a Ford 7000.

Tractor illustrated is equipped with extra-cost options including: Dual Power, roll bar and seat belt, power adjustable wheels, front-end and wheel weights.



## Strong, quiet engine.



Powerful, responsive, smooth-running and quiet. That's the way to describe the big 83-horsepower turbocharged 7000 engine. Turbo-balanced design with strong, massive working parts built in not added on, for long life and dependability. Direct fuel in-

jection into highly efficient swirl chambers squeezes the last bit of work-power from every gallon of fuel. Oil-cooled pistons with keystone top rings, extra big radiator and large oil sump guard against heat. Excellent cooling and stress-relieved block

give the Ford 7000 engine great endurance. Swing-away battery mounting provides easy access to engine. The strong and quiet turbocharged 7000 engine has the power you need for today's high-speed farming.



**Big-capacity dry air cleaner** with back-up safety element thoroughly filters the large volume of air needed by a turbocharged engine. It helps keep dirt and dust from reaching the internal working parts of the engine... guards against damage. Big capacity extends service intervals. Big pre-cleaner is also standard.

**Dash-mounted warning light** tells you when the air cleaner needs cleaning or service. Reduces need to check the filter element. Adds convenience, saves time.





## Transmission and PTO options to fit your jobs.



Now you can tailor the 7000 tractor to your type of farming. New power options let you make more efficient use of 83 horsepower.

Optional Dual Power transmission puts 16 forward speeds at your command . . . spaced to give you the most productive travel speeds. And you

shift from Direct Drive to Power Drive on-the-move . . . without using the clutch. Instantly you have more torque available at the rear axle to help you pull on through.

You'll find the standard 8-speed transmission rugged and reliable. It's an easy-shifting, constant mesh trans-

mission with a smooth, positive 13-inch clutch.

Fully independent 540/1000 rpm PTO allows you to start or stop the PTO whether the tractor is moving or standing. It engages hydraulically, smoothly, quietly. This new 540/1000 rpm PTO provides great flexibility for any kind of power-take-off work.

Dual Power lever is located on the dash, within easy reach. Shifts from Direct Drive to Power Drive on-the-go. Just flip down the lever in tough spots. Flip it up to Direct Drive when the going is easier. Dual Power and Load Monitor together almost eliminate clutching to shift gears between ends of the fields. Very little effort, hydraulic power does the shifting.

Tractors illustrated are equipped with extra-cost options including: Dual Power, roll bar and seat belt, power-adjustable wheels and wheel weights.



**TRAVEL SPEEDS**, at 2100 engine rpm  
(Approximate, depending on tire size)

Forward	MPH	Forward	MPH
1st Direct Drive	1.5	5th Direct Drive	5.8
Power Drive*	1.2	Power Drive*	4.4
2nd Direct Drive	2.0	6th Direct Drive	7.0
Power Drive*	1.5	Power Drive*	5.4
3rd Direct Drive	3.5	7th Direct Drive	12.4
Power Drive*	2.7	Power Drive*	9.82
4th Direct Drive	4.7	8th Direct Drive	18.8
Power Drive*	3.7	Power Drive*	12.80
Reverse		Reverse	
1st Direct Drive	2.3	2nd Direct Drive	8.1
Power Drive*	1.8	Power Drive*	6.3

\*Dual Power Transmission option permits on-the-move power-shifting between Direct Drive and Power Drive in any of the eight basic gear ratios.



## Exclusive Load Monitor.

Another great advance  
in tractor hydraulics.

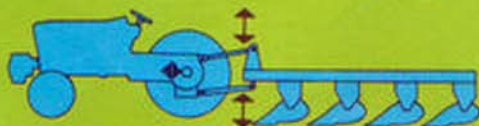
Ford established leadership in tractor hydraulics by pioneering the 3-point hitch more than 30 years ago. Now another great advance...the Load Monitor system...continues this leadership. Load Monitor comes *standard* on the Ford 7000 and offers you great control versatility. It's more than draft control—it's *total load control*. Consider the ways Load Monitor can improve your tractor operations. *Total load control* gives you:

- All the advantages of a dual-sensing top link system for fully mounted 3-point hitch implements.

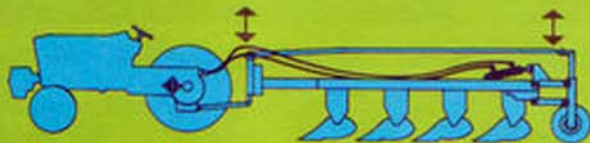


### How Load Monitor works and what it does.

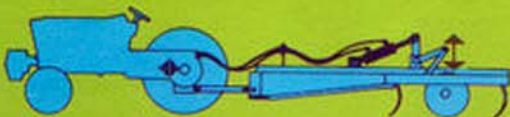
**Upper link sensing** detects change in push or pull on the top link—signals 3-point hitch hydraulics to raise or lower the implement. Upper link sensing excels for light draft implements, such as 3-point mounted row-crop cultivators. Because so many Ford owners like it so well, it is retained as part of the Load Monitor system.



**Load Monitor senses torque load** in the main drive line, between transmission and differential. When torque changes, the hydraulic system adjusts implement depth. The Load Monitor system provides excellent control for 3-point mounted implements whether heavy or light, long or short coupled, under all kinds of soil conditions.



**With semi-mounted implements**, the unique Load Monitor remote cylinder corrects working depth at the rear while the hitch linkage corrects in front. No other system does this. You benefit from superior performance—smooth corrections and more uniform tillage. A single lever also lifts the implement, front and back, for turns.



**With trailed implements**, the Load Monitor remote cylinder regulates implement depth automatically. This speeds work with chisel plows, field cultivators and other hydraulically controlled trailed implements. Or the operator can use position control—raise, lower and regulate working depth of trailed implements with a single lever, right from the tractor seat.



**Load Monitor sensing** works with the tractor moving forward or in reverse. Provides control of blades for back-filling and other jobs. The Load Monitor remote cylinder can be used to adapt front or mid-mounted equipment for load control. Load Monitor is, by far, the most versatile control system available today.



- Plus full control of semi-mounted equipment, with depth corrections front and rear.
- Plus draft control of hydraulically-controlled pull-type implements.
- Plus "position control" of pull-type implements. The operator can regulate working depth right from the tractor seat. He can also lift the implement for turns and return to the same selected work depth by means of the "lift control" lever.

**No other** hydraulic control system does all of these things. Few can do any of them as well as Ford Load Monitor. Key to Load Monitor advantages is a unique load-sensing concept—monitoring torque changes in the main drive line. Load sensing is completely independent of hitch linkage—works even with the tractor in reverse.

**The Ford Load Monitor system**, a true breakthrough, does it all. Gives unexcelled draft control of fully-mounted, semi-mounted or pull-type equipment. It is the most versatile hydraulic system ever available for farm tractors.



**Here's the brain** for the unique Ford Load Monitor system. This rugged mechanical device senses torque changes in the main drive line—and signals the hydraulic system to adjust working depth of the implement. Simple and strong—built to last and last... and last. Another better idea from Ford.

**For a new experience in plowing**, hitch a Ford 7000 tractor to a Ford semi-mounted plow with Load Monitor cylinder. Pick a tough field with varying soil conditions. And plow!

You'll wonder where the tough spots went. Draft corrections are so smooth you hardly feel them. So accurate you seldom see a break in a furrow slice. So quick you seldom hear the tractor engine start to lug. The difference is the coordinated action of the 3-point hitch and the unique Load Monitor remote cylinder. It corrects plowing depth on all bottoms, front and back, to maintain uniform load. You get a more uniform plowing job.



**Remote Load Monitor cylinder.** This special Load Monitor remote cylinder works with the 3-point hitch lift cylinder to regulate depth at front and rear of a semi-mounted plow... simultaneously. This unique cylinder also works with pull-type implements, because Load Monitor uses torque-sensing to measure load. Or it can be used with front or mid-mounted equipment. Through it and 3-point hitch control, you can regulate working depth of pull-type equipment, without need for adjusting stops on implement or cylinder (It also serves as a double-acting cylinder. Just rotate rod clevis one-half turn.)



**Five-position selector** offers "just right" sensitivity and versatility.

**Upper link sensing** blocks out Load Monitor signal. The system now works exactly like the hydraulics that serve so many Ford 2000, 3000, 4000 and 5000 tractor owners so well. Ideal for close-coupled mounted implements.

**Position control** blocks out all load signals, holds 3-point hitch in selected position. A must for mounted mowers, rakes, etc.

**Three degrees of Load Monitor sensitivity** match draft corrections to implement weight and soil conditions. You can further refine the reaction with flow control, standard on Ford 7000 tractors. With selector in any one of the three Load Monitor positions, implement working depth can be controlled through either the 3-point hitch or Load Monitor remote cylinder. Or cylinder and hitch can work together, as with a semi-mounted plow.

**Load Monitor offers draft control for pull-type implements**, like this Ford chisel plow. Load Monitor senses torque changes and maintains constant load by adjusting implement depth with the Load Monitor remote cylinder.

Load Monitor speeds up heavy tillage jobs—makes the work easier for you and your tractor. Automatic control helps prevent the overloading that can cause wheel slippage or require shifting gears.



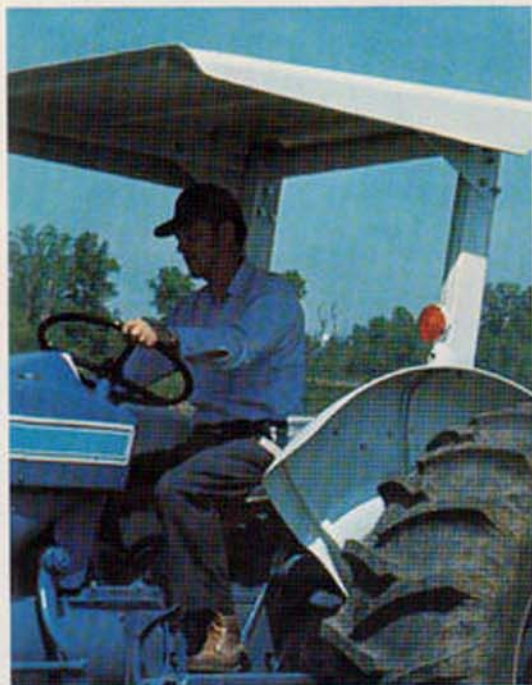
**Comfort and convenience  
make the 7000 a nice place to work.**





## Choose all-purpose or row-crop models.

You know that work, any kind of work, always goes faster and easier when you're comfortable. We took this into consideration when we designed the 7000. The operator's area is clean, uncluttered and extra wide on the row-crop version, so you can stretch out. We made it easy for you to get on and off with conveniently positioned hand grips and foot mounts. The row-crop model also has a tilting steering wheel so you can choose the steering position most natural to your reach.



Row-crop or all-purpose, all levers and pedals are placed where you can reach them with as little effort as possible. Optional roll bar and seat belt help protect you in case of a rollover. And you can add a canopy to shield you from the sun. A super-comfort seat, spring-supported and with hydraulic shock absorber, helps make a day on a tractor go easy. We want to make operating the 7000 as pleasant for you as possible.

Tractors illustrated are equipped with extra-cost options including: Dual Power, roll bars and seat belt, canopy, power adjustable wheels, front-end and wheel weights.

**The compact 7000 All-Purpose.** Its name tells the story. It's an all-purpose, do-anything tractor with low center-of-gravity and 18-inch front axle clearance for heavy tillage and cultivation. Power-assist steering is standard along with differential lock. Telescopic front axle adjusts from 52 to 80 inches. Adjustable rear wheel tread from 56 to 80 inches (90 inches with power adjusted wheels). Put the 7000 All-Purpose to work on heavy jobs and in close quarters.



**The high-clearance 7000 Row-Crop.** Work tall and comfortable on the row-crop model of the Ford 7000. High 24-inch front axle clearance. Extra-wide operator's platform. Good, comfortable working view. Hydrostatic power steering and tilting steering wheel lets you handle this hard-muscled tractor with ease. Get it with wide front axle, which adjusts from 56 to 88 inches, or tricycle dual front wheels. Optional power-adjusted rear wheels let you vary tread from 56 to 90 inches without reversing the wheels.



## 7000 options and extras.



**Dual wheels and big tires.** For maximum traction and flotation, have your 7000 equipped with dual rear wheels or the new larger tires that are now available. The added traction and weight will more fully utilize the power of the 7000 tractor.

You'll make more efficient use of your time and get maximum productivity from your new 7000 tractor with the proper options for your operation. Every farm is different... every operator unique in his use of modern farm practices. That's why Ford offers such a wide array of optional equipment. They're designed to make your work easier and more productive. With Ford options you can tailor your new 7000 exactly to your needs. Talk to your Ford dealer before you decide; he can help you choose the options that will give you the best performance for your farm operation.



**Auxiliary hydraulics.** Single or double-spool remote hydraulic valves can be ordered factory installed on the 7000 tractor. Adds additional hydraulic versatility to your tractor.



**New quick couplers for remote hydraulics.** Connect or disconnect in seconds. A valve instantly seals the hydraulic line when it is disengaged. Makes coupling of hoses clean and easy, even with pressure in the lines.



**Front-end weights.** Add weight and stability to your 7000 for more balanced performance when using heavy equipment. Up to fifteen 75-lb front-end weights can be added to the all-purpose model for a total of 1,160 pounds (including mounting bracket). Rear wheel weights also available.

**Power-adjusted rear wheels.** Use engine power to space rear wheel tread. Ford design permits tread widths from 56 to 90 inches, without reversing rims on wheel discs. Eliminates need for removing tires and rims.

Options are available at extra cost.



# 7000 Specifications

<b>Engine</b>	Turbocharged Diesel
PTO horsepower, observed	83.49
Cylinders	4
Displacement	256 cu. in. (4.19 liters)
Bore & stroke	4.4x4.2 in. (111.18 x 106.68mm)
Compression ratio	16.5:1
Rated engine speed	2,100 rpm
Starting	Electric starter with safety switch
<b>Air cleaner</b>	Dry dual element with warning light
<b>Capacities</b>	
Fuel tank	20 gal (75.5 liters)
Transmission, rear axle and hydraulics with Dual Power	52 qt (49.2 liters) 55 qt (52.0 liters)
Crankcase (with filter)	9 qt (8.5 liters)
Cooling system	14.5 qt (13.5 liters)
<b>Hydraulics</b>	Live hydraulics with position control, double-acting top link draft control, flow control, Load Monitor control. Load Monitor remote cylinder, auxiliary services control valve and Category II, 3-point hitch linkage with flexible link ends. Provision for Category I linkage.
<b>Transmission and PTO</b>	8-speed, 16-speed Dual Power optional. Power engaged, fully independent 540/1000 rpm PTO. 13-in. clutch.
<b>Final drive</b>	Double reduction with planetary reduction gears mounted inboard on axles.
<b>Differential lock</b>	Standard
<b>Brakes</b>	Wet disc, foot operated. Parking brake latch.
<b>Electrical system</b>	12-volt, 128-amp battery, 55-amp alternator, safety starter switch, key ignition, transistorized voltage and current regulator.

	<b>7000 Row-Crop</b>	<b>7000 All-Purpose</b>
<b>Dimensions</b>		
Length	149 in. (378cm)	141.6 in. (360.7cm)
Height to top of hood	68 in. (172.5cm)	61 in. (154.8cm)
Wheelbase	—	87.5 in. (222.25cm)
tricycle	96 in. (244cm)	—
wide axle	88 or 104 in. (223 or 264cm)	—
Rear wheel tread with power adjusted wheels	56 to 80 in. (142 to 203cm)	56 to 80 in. (142 to 203cm)
Front wheel tread, adjustable axle	56 to 90 in. (142 to 229cm)	56 to 90 in. (142 to 229cm)
Turning radius, brake locked	—	10 ft (304.8cm)
dual front wheels	9 ft (274.3cm)	—
Front axle clearance	24 in. (61cm)	18 in. (45.7cm)
Shipping weight	5956-6057 lbs (2701.6-2747.4 kg)	5694-5814 lbs (2582.7-2637.2 kg)
<b>Steering</b>	Hydrostatic	Power assist
<b>Tires</b>		
Standard	Front: 7.50-15, 6-ply Rear: 13.6-38, 6-ply	Front: 7.50-16, 6-ply Rear: 13.6-38, 6-ply
Optional	Front: 7.50-18, 6-ply 7.50-16, 6-ply 10.00-16, 6-ply Rear: 16.9-38, 6-ply 18.4-34, 6-ply 15.5-38, 6-ply 16.9-34, 6-ply	Front: 7.50-18, 6-ply 10.00-16, 6-ply Rear: 16.9-38, 6-ply 18.4-34, 6-ply 15.5-38, 6-ply 16.9-34, 6-ply

**Instruments and lighting**  
 Lighted instrument panel  
 Tachometer and hourmeter  
 Fuel gauge  
 Air cleaner restriction warning light  
 Coolant temperature gauge  
 Warning lights, oil pressure and alternator  
 Two headlights  
 Taillight  
 Flashing safety light on left fender

**Other standard equipment**  
 Swinging drawbar  
 Tool box  
 Fuel filter, single element  
 Full flow 1-qt oil filter  
 Fenders  
 Super-comfort seat  
 Vertical exhaust  
 PTO guard  
 Cooling thermostat and anti-freeze

**Optional and accessory equipment**  
 Power adjusted rear wheels  
 Swinging drawbar clevis  
 Linkage drawbar  
 Linkage stabilizers  
 Air cleaner extension  
 Remote control valves, 1 or 2-spool  
 Dual rear wheels  
 Rear wheel weights  
 Front-end weights and bracket  
 Belt pulley (PTO)  
 Belt pulley guard  
 Diesel starting aids  
 Roll bar and seat belt  
 Canopy  
 Radio  
 Work light and switch  
 Implement warning light  
 Implement lamp kit  
 Safety emblem, with mounting kit

Tire options for factory-installed close-spaced duals.

Tire size	Less roll bar		With roll bar	
	Inner wheel tread	Outer wheel tread	Inner wheel tread	Outer wheel tread
15.5-38, 6-ply R1 & R2	60 in. (152.4cm)	104 in. (264.2cm)	64 in. (162.8cm)	104 in. (264.2cm)
16.9-38, 8-ply R1	60 in. (152.4cm)	104 in. (264.2cm)	64 in. (162.8cm)	104 in. (264.4cm)
16.9-34, 6-ply R1	60 in. (152.4cm)	104 in. (264.2cm)	64 in. (162.8cm)	104 in. (264.2cm)



# FORD 7000 TRACTORS

... just part of the big Ford line.



The big Ford lineup of tractors comes in eight power sizes, including the 7000. From the 23-hp\* Ford 1000, right up to the brute 135-hp Ford 9600. In row-crop, all-purpose and special utility models. Each model built to give you years of dependable service.

Talk over your needs with us soon, whether you're

\*Manufacturer's estimate. Maximum observed PTO horsepower.

looking for new equipment... used equipment... or just some sound advice. You'll find us interested in keeping your older equipment serviced for peak performance, too. Company-trained mechanics and genuine Ford parts helped build our reputation for service after the sale. We want you to keep coming back to us.

Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in the United States, its territories and possessions and may vary outside these areas.

**YOUR FORD TRACTOR AND EQUIPMENT DEALER**

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FORD TRACTOR

