Many farmers today who are taking stock of their tractors are finding they have too many. If you have a multiple tractor operation, then consider this . . .

**Consolidate your horsepower requirements in an FWD Wagner**

This can be a profitable step up for you. Investigate the economy of consolidating your horsepower requirements in an FWD. Even the smallest of the line, the WA-4, is larger by comparison with conventional tractors. You'll find the entire Four Wheel Drive lineup . . . the WA-4, WA-9, WA-14, WA-17 . . . delivering more usable horsepower, more pull power than any other tractor of comparable engine horsepower.

**Higher production at lower cost**

A big FWD Wagner 4-wheel drive tractor outproduces two or more large 2-wheel drive tractors and, at the same time, cuts costs.

**An FWD Wagner can reduce your:**

1. Investment
2. Labor costs per acre
3. Fuel costs per acre
4. Maintenance
5. Depreciation
6. Tire wear

**FWD Wagner delivers usable horsepower**

Engine horsepower for any tractor is merely a statistic until it's put to work. That's where FWD Wagner tractors really get the job done. FWD Wagner has long known that horsepower can be put to maximum use only when it is equally distributed to four driving wheels of equal size. This is usable horsepower—drawbar pounds pull up to 92% of the tractor's weight.

**Leadership cannot be copied**

FWD Wagner experimentation preceded competition by five years. Competition finally awakened to the fact that FWD Wagner was right all along. Now some are belatedly trying to copy FWD Wagner features. But in product engineering, the company with the head start . . . stays ahead.
new concept of Farm Tractor Power

1. WA-4—all versatile 125 h.p. farm tractor with two wide one ways—just one of the many plowing, discing, seeding, land leveling or terracing jobs this line handles with ease. The WA-4 really harnesses horsepower to pull disc harrows or field cultivators that are WIDE and then some.

2. WA-9—160 h.p.—double production from a single unit. Full four-wheel power, center-pin hinged steering and two-axle oscillation combine to keep every wheel in there pulling, even on rough terrain or other adverse ground conditions. The perfect replacement for two conventional 2-wheel drive tractors.

3. WA-14—220 h.p. FWD Wagner tractors on large acreage farms reduce manpower and cut costs. High speed handling of multiple implement combinations. Out-produces crawler tractors of comparable horsepower by 20 to 50%.

4. WA-17—this 250 h.p. giant is engineered for maximum production. The operator rides high and safe above dust and dirt. Optional full-vision cab and fully equipped instrument panel offer new highs, too, in comfort and convenience. Here is big crawler tractor power—mated with rubber tire speed and economy.
Comfort is standard equipment on FWD Wagner tractors

"Extras" on many other tractors are standard with FWD Wagner. Standard equipment includes power steering with independent hydraulic pump, swinging drawbar, deluxe high-power lights front and rear, full width dust-control fenders—(all wheels), foot accelerator and muffler. Optional deluxe full-vision cabs, heater, defroster and other accessories available to tailor each unit to your requirements.

Operating features that keep FWD Wagner ahead...for YOU

**Four Wheel Drive**
More horsepower developed into pull power—up to 92% of tractor weight in drawbar pounds pull. Sure-footed power and traction is combined with rubber-tire speed and mobility.

**Diesel Power**
Dependability and economy proven by thousands of hours of field operations.

**2-Axle Oscillation**
Wheels are always on the ground, always in there pulling...whether crossing ditches or dead furrows...on rough terrain, and reducing tire slippage and the resulting wear to a minimum.

**Center pin Pow-R-Flex steering**
FWD Wagner tractors are hinged to "turn in the middle." Wheels always track. Power preserved in turns.

**Power Divider**
Exclusive FWD power divider provides positive drive to front and rear axles. Rugged—simple—efficient.

**Fully-equipped instrument panel**
All controls and indicators are conveniently grouped directly in front of operator for convenience, efficiency and safety.

FWD WAGNER INC.
4427 N. E. 158th Avenue • Portland 30, Oregon • P. O. Box 7444 • Alpine 2-5531
Subsidiary of FWD CORPORATION, Clintonville, Wisconsin • Canadian Factory: Kitchener, Ontario

WICKHAM TRACTOR COMPANY
Brush, Colorado
FIRST SUCCESSFUL ALL WHEEL DRIVE AGRICULTURAL TRACTOR. The FWD WAGNER four wheel drive, four wheel steering tractor with free oscillation on both axles, provides the needed traction and power for all industrial and contractor farm jobs. Its proper weight distribution gives maximum traction for all agricultural draw bar duties. The FWD WAGNER agricultural tractors give crawler performance with rubber-tire speed and mobility without high crawler maintenance and replacement costs.

With properly matched implements the WA-17 can out-produce crawler tractors of comparable horsepower by 20 to 50%. Large and small acreage farmers have found the FWD WAGNER agricultural tractor the answer to more production at greater savings.

FWD WAGNER WA-17 FEATURES

FOUR WHEEL DRIVE—Traction under all ground and grade conditions.
FOUR WHEEL STEER—Wheels always track, no power loss.
MAXIMUM OPERATOR COMFORT—Dust free fenders and cab.
FOUR WHEEL BRAKES—Quick, safe, controlled braking.

BOTH AXLES OSCILLATE—Ground contact traction for all wheels.
PLANETARY DRIVE—Even, steady power flow, less strain on drive train.
LOW MAINTENANCE—Sturdy design, simple maintenance-free steering.
HIGHER VALUE—Tractor value remains higher.

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FWD WAGNER INC

FORMERLY WAGNER TRACTOR, INC.
FWD WAGNER SPECIFICATIONS

MODEL WA-17

OVERALL MEASUREMENTS:

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Height, without cab</td>
<td>8' 0&quot;</td>
</tr>
<tr>
<td>Height, with cab</td>
<td>10' 7&quot;</td>
</tr>
<tr>
<td>Width, overall</td>
<td>9' 3&quot;</td>
</tr>
<tr>
<td>Length, overall without blade</td>
<td>20' 6&quot;</td>
</tr>
<tr>
<td>Length, overall with blade</td>
<td>23' 6&quot;</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>136&quot;</td>
</tr>
<tr>
<td>Ground clearance unit</td>
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SPEEDS (CALC.)

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<th>Gear</th>
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<tbody>
<tr>
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<tr>
<td>9</td>
<td>15.0</td>
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<td>10</td>
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</tbody>
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ENGINE:

Make ........................................... Cummins Diesel
Model .......................................... NH-250 CI (4-cycle)
Number cylinders .................................. 6
Bore and stroke .................................. 5 3/4" x 6"
Displacement .................................. 855 cu. in.
Maximum horsepower at RPM ......................... 250 @ 2100
Electrical system ................................ 24 volts
Road speed—maximum ................................ 18 MPH
Fuel tank capacity ................................ 150 gals.
Cooling system capacity ......................... 64 gals.

POWER TRAIN:

Clutch, 2 plate ................................ 14"
Maximum torque foot pounds ....................... 685 @ 1500
Planetary drive .................................. 4-wheel
Power divider (make) .................................. FWD Wagner
Power divider (type) ................................. Hy-Vo chain
Pump, steering .................................. 33 gals.
Pump, implement (O P T.) .......................... 43 gals.
Transmission, Fuller ............................. 10-G-1220
Transmission speeds .............................. 10 forward, 2 reverse
Axles (drive) .................................. planetary
Axles (driving) .................................. 4 wheels
Axle oscillation .................................. 18"
Chassis with fenders (welded) ..................... steel

HYDRAULIC SYSTEM:

Hydraulic tank capacity, implement .................. 80 gals.
Steering, driven by implement ..................... 4-wheel
Steering, number wheels .......................... 4-wheels
Volves, implement (O P T.) ........................ hydraulic
Hydraulic tank, steering .......................... 20 gals.

WHEELS AND TIRES:

Tires—all 4 wheels, std. .......................... 26.5x25
Wheels ........................................... demountable

TURNING RADIUS:

Inside dimension .................................. 9' 3"

WEIGHTS:

Standard equipment, approximate .................. 27,000 lbs.
Blade only, approximate .......................... 2,500 lbs.
With hydrofitted tires, approximate ............... add 5,300 lbs.

BRAKES: ............................................ (4-wheel) air

NOTE—Agricultural models are equipped for all types of farm work, including use of land planes and 4 wheel scrapers. The Model WA-17 can be used with gooseneck hydraulic scrapers or dozer blades, however, require 12 ply tires at extra cost.

Specifications subject to change without notice

YOUR NEAREST DEALER

FWD WAGNER INC.

FORM NO. A.17-102

LITHO IN U.S.A.