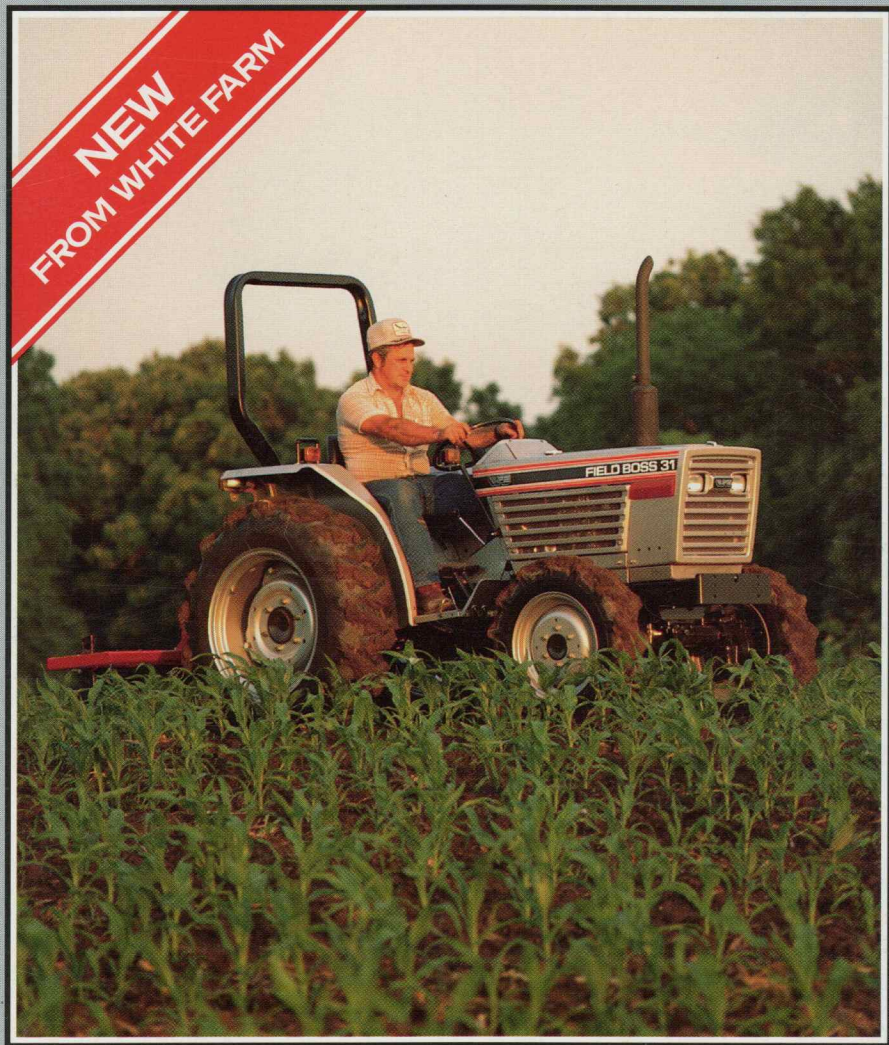


FIELD BOSS 31





With this Field Boss, productivity shifts into high gear.

Take control of speed and torque with the unique Triple-sync transmission on the Field Boss 31 tractor. A synchronized main transmission plus a high/low range and creeper gear lets you select the right combination for hard pulling or fast transport.

The Triple-sync transmission means you can shift between main gears while you roll. Just clutch, shift and go—even from forward to reverse. There's a total of 12 forward and four reverse speeds—one matches the need for every task.

You can rely on the Field Boss 31 to deliver economical power for many years. The three-cylinder diesel engine that develops 30 engine horsepower has a reputation for trouble-free service and low fuel consumption. The 91.4 CID engine lugs evenly. PTO horsepower is 25.

Here's a compact tractor that's built for hard work in front of a wide variety of specialty attachments. The wet, multi disc brake system improves safety and performance.

For pto work, there's an independent, rear system that operates at 540 rpm. Combine that with a category I three-point hitch with a no-extra-charge posi-

tion and draft control. With the Field Boss draft control you optimize drawbar horsepower because implement depth is automatically adjusted—power matches soil conditions. The result is less slippage and greater fuel savings.

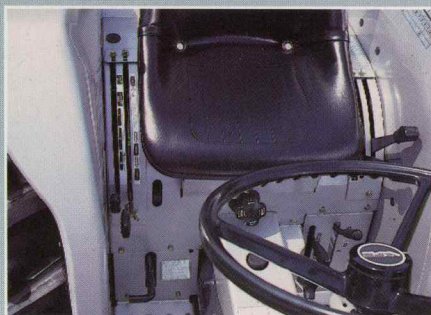
For hydraulically-controlled attachments, you can tap into the Field Boss 31 tractor's open center system. Hydraulic kits for attachments put the power of a 7.7 gpm pump at your finger tips.

For extra effective power from the Field Boss 31, select a model with king-pin four-wheel drive. The tight-turning four-wheel drive feature isn't an add on. Specially built forged-steel drive-lines, cast iron axle housings and attaching members produce the support needed for the extra muscle that develops from power over all four wheels. The turning radius of 7.06 feet assures mobility around almost any obstacle.

For the widest choice of specialty attachments, look to White Farm. You have access to the right size mowers—rear finishing, rotary or flail—as well as loaders and a full list of rear-mounted attachments for tilling or landscaping. See the back page for more details.



Clutch and shift with a synchronized transmission



Handy location for standard diff. lock



Full power utilization with draft control



Electronically and hydraulically activated pto

Field Boss 31 Specifications:

Two- and four-wheel drive models

Engine

30* engine horsepower
25* pto horsepower
Three cylinder diesel
Direct fuel injection
Naturally aspirated
3.39 inch (86mm) bore
3.39 inch (86mm) stroke
91.4 cubic inch (1.5) displacement
2600 rpm rated speed
Easy access single element air filter
Clear-view fuel filter
Compression ratio of 21.4:1
Governed speed range 850-2860 rpm
*Estimated horsepower

Drive Train

Dry, single stage clutch with single disc
Triple-synch fully synchronized main gear
with a selective sliding gear for range
and a selective sliding creeper gear
Spur gear final drives
Jaw-type differential lock
Speeds (at rated engine speed and
R-1 rear tires):

MPH	KPH	MPH	KPH
0.4	0.6	5.4	8.7
0.5	0.9	7.2	11.7
0.8	1.2	9.9	15.7
1.0	1.6	13.5	21.6
1.4	2.2	0.5R	0.8R
1.9	3.0	1.2R	1.9R
2.9	4.6	3.5R	5.7R
3.9	6.3	8.6R	13.9R

Brakes

Wet, multi-disc
Mechanically actuated

Steering

Manual, ball-screw type (2WD)
Power (4WD)
7.4 ft. turning radius with brake (2.25m)
7.06 ft. (2.15m) turning radius on
4WD models

Power Take-Off

Independent
Activated by electric switch or
hydraulically
Multi-plate, wet disc clutch
540 rpm at 2280 engine rpm
Front live shaft at engine rpm

Hydraulics

Live hydraulics—engine driven pump
Open center
7.7 gpm capacity at rated speed
(20.8 L/min.)
2135 psi system pressure

Three-Point Hitch

Category I with position control
Transport lock-up and drop speed control

Electrical System

12 volt starter
35 amp alternator
Glow plug starting aid
Lighting system
Two grill mounted headlights
Two red rear tail lights
Two amber rear lights with turn/
warning signals
One back-up light

Fuel Tank Capacity

7.4 U.S. gallons (28 L, 5.9, Imp gallons)

Roll Over Protection Structure

Two-post formed tube

Instrumentation

Combined tach and hour meter
Fuel gauge
Engine oil pressure warning light
Voltage warning light
Coolant temperature gauge

Adjustable Wheel Tread

Front
2WD 37.8, 41.7 in. (96, 106 cm)
4WD 41.3 in. (105 cm)
Rear 5 settings between
4WD 40.2-52.8 in. (102-134 cm)

Standard Tires

2WD
Front 5.00-15 F2
24 x 8.50-12 Turf
Rear 11.2-24 R1
355 x 800-20 Turf
4WD
Front 7.00-16 R1
212 x 800-15 Turf
Rear 11.2-24 R1
355 x 800-20 Turf

Dimensions

Height to top
of R.O.P.S. 80.5 in. 204 cm
Wheelbase 65.0 in. 165 cm
Overall width 52 in. 132 cm
Overall length 116 in. 294 cm
Shipping weight
2WD 2215 lbs. 1005 kg
4WD 2414 lbs. 1095 kg

Optional Equipment

AM radio—fender mounted
AM/FM radio—fender mounted
Rear work light
Horizontal muffler
Coolant heater
Canopy for R.O.P.S.
Rear wheel weights
Front satchel weights

Attachments

Mowers

- Rear-finishing—48, 60, 72 in. cutting widths
- Flail—52 or 60 in. cutting width
- Rotary cutter—48 or 60 in. cutting widths

Loader

- 1155 QA quick-attach loader
- Available with material bucket
- One piece welded main frame
- Twin double-acting cylinders for lift and bucket

Rear Blades

- 3-pt hitch blade with manual blade angling
- Reversible blade with a hardened scraping blade
- 5 or 6 ft. blade

Roto-Tiller

- PTO driven, 3-pt hitch mounted tiller
- 34, 42 or 50 in. tilling widths

Post Hole Digger

- 3-pt hitch mounted, pto driven
- 48 in. max. digging depth

Box Scrapers

- 3-pt hitch mounted
- 4', 5 or 5½ ft. width

Disk Harrow

- 3-pt hitch mounted
- Adjustable gang angle
- 16 in. notched blades
- 7¼ in. blade spacing
- 4½ or 5½ ft. width of cut

Snow Blower

- 63 in. wide, two stage
- Front or rear mounted



WHITE-NEW IDEA FARM EQUIPMENT COMPANY

Division of ALLIED PRODUCTS CORPORATION