

**GRAVELY COMMERCIAL GROUNDS
MAINTENANCE TRACTORS MODELS 8120,
8121, 8160, 8161, 8171**



ALL GEAR TRANSMISSION

All gear drive from engine thru transmission to attachments. No belts. There are no belts to break, slip, adjust or replace. Provides more efficient transmission of power. Assures positive, constant control of speeds under a variety of operating conditions.

EIGHT SPEED TRANSMISSION

Provides the right speed for all jobs. From fast ground speed for mowing and transit, to a slow, power crawl for ground preparation and really tough jobs.

**ALL TRACTOR CONTROLS
AT OPERATOR'S POSITION**
Simplifies and speeds up operation.

CAST IRON TRANSMISSION HOUSING

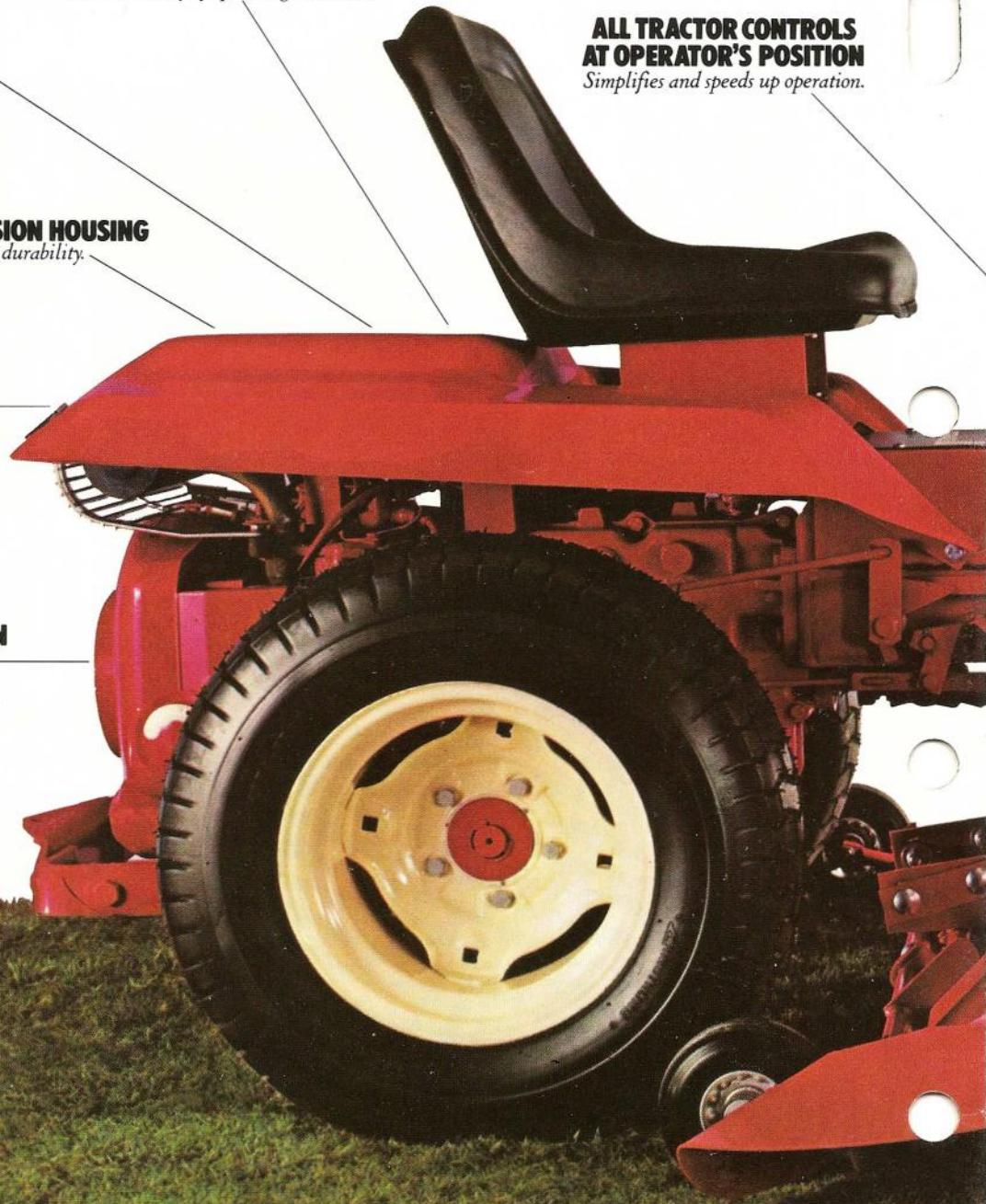
Provides strength and durability.

SELF-PROPELLED POWER SOURCE FOR OVER 20 ATTACHMENTS

Requires less initial investment. With one tractor and appropriate attachments, you don't waste money buying a separate engine for each single-purpose tool.

REAR-MOUNTED ENGINE, BOLTED DIRECTLY TO TRANSMISSION

Provides improved traction, and creates a lower center of gravity for added stability. Provides superior direct power transfer to transmission and attachments. No belts.



THE VERSATILE, DURABLE GRAVELLY G

A Gravelly grounds maintenance tractor is a very, very versatile piece of equipment. With over 20 attachments, the Gravelly 4-wheel grounds maintenance tractor powers mowers for fine turf mowing and trimming, as well as rough mowing; snow removal, plowing, cultivating, does light grading and hauling, mulches and bags debris, and

**CENTER POWER TAKE-OFF WITH
OPTIONAL FRONT AND REAR PTO's**

Permits use of front, center and rear-mounted attachments for maximum variety and performance. No belts.

**INSTANT FORWARD
AND REVERSE IN ANY GEAR**

*Provides instant control.
Assures precise maneuverability.
Reduces operator fatigue.*

PRECISION BEARINGS

*Reduces wear and friction;
provides longer life and smoother operation.*

**RACK-AND-PINION STEERING WITH
HEAVY-DUTY TIE-RODS AND BALL JOINTS**

Delivers easy, precise control, maneuverability and long life.

**WELDED, REINFORCED
BOX-FRAME CONSTRUCTION**

Provides structurally strong supporting frame for long life.

**HEAVY DUTY CAST IRON
FRONT AXLE WITH KING-PIN BUSHINGS**

Provides extra strength, longer life, and durability.



GRAVELY COMMERCIAL MAINTENANCE TRACTORS

does many other grounds maintenance tasks. Things a single-purpose unit could never do. But most importantly, with proper care and maintenance, Gravely's are built to last and last and last. This protects your investment over the long run, which could result in a surprisingly low total cost of operation.

TRACTOR SPECIFICATIONS

MODELS 8120/8121 GROUNDS MAINTENANCE TRACTORS

ENGINE

Kohler Model K301 air-cooled, cast iron, 4-cycle engine. 12 hp at 3600 RPM, 29.07 cu. in. (476.37 cc). Splash-type lubrication system. Side draft, float-type carburetor, automotive diaphragm fuel pump, dry-type replaceable air filter. Internal flyweight type oil bath governor with external adjustments.

FUEL CAPACITY

5.3 U.S. gal. (20.1 liters)

STARTING SYSTEM

Key-electric with automatic compression release. 15-amp flywheel alternator. 12 volt, 42 amp/hr. lead/acid battery.

TRANSMISSION

Sliding spur gear with external forward/reverse friction clutches. No belts or chains. Splash lubrication system. Cast iron housing.

GROUND SPEEDS AT 3600 RPM ENGINE SPEED

8 forward speeds with instant reverse in any forward gear. .49, .76, 1.11, 1.66, 2.50, 3.75, 5.60 and 8.54 mph (.78, 1.22, 1.76, 2.66, 4.00, 6.00, 8.96 and 13.66 kmh). 4 reverse speeds. 1.11, 1.66, 2.50 and 3.75 mph. (1.76, 2.66, 4.00 and 6.00 kmh).

POWER TAKE-OFF

1000 RPM. Direct all-gear drive with wet cone clutch, running in oil, in cast iron housing. Center location standard. Front and rear PTO optional.

TIRES

Standard: Front, 16 x 6.50 x 8 Turf Tread. Rear, 23 x 8.50 x 12 Turf Tread. Optional: Rear, 23 x 8.50 x 12 Super Terra-Grip.

STEERING

Rack and pinion steering with heavy duty tie rods (3/4" diameter with drilled and tapped ends both left and right hand threads for easy toe in adjustment), ball joints (forged steel 5/8" ball size with taper shank and 1/2-20 class 2 threads), and sintered bronze king pin bushings.

BRAKES

Transmission hand brake and parking lock. Optional: Individual rear-wheel steering brakes.

CONTROLS AND INSTRUMENTATION

Forward/reverse lever, PTO control, gear shift, hi-lo range shift, throttle, choke, key ignition, headlight switch, gas gauge, hour meter.

SEAT

High-back, semi-bucket type. Foam-padded with weather resistant vinyl cover.

DIMENSIONS

Overall length 75-1/2" (1.92M), width 36-3/8" (.92M), height 43" (1.09M), wheelbase 48" (1.22M). Ground clearance 7" (.18M).

SHIPPING WEIGHT

890 lbs. (400.5 kg)
60.8 cu. ft.

ATTACHMENTS & ACCESSORIES

Powers more than 20 Gravely and Gravely-approved attachments for mowing, gardening, landscaping, snow removal earth moving, spraying, composting, etc. See attachment sheet for complete list and specifications.

MANUAL ATTACHMENT LIFT

8120—Standard

HYDRAULIC ATTACHMENT LIFT

8121-1200 psi system regulated by pressure relief valve. Gear pump 1.7 GPM at 3600 engine RPM. Double-acting cylinder 1-1/2" bore (3.81 cm), 3" stroke (7.62 cm).

PAINT

Standard: Red.

MODELS 8160/8161 GROUNDS MAINTENANCE TRACTORS

ENGINE

Briggs & Stratton Model 326437 air-cooled synchro-balanced, cast iron, 4-cycle engine. 16 hp at 3600 RPM. Displacement 32.40 cu. in. (530.94 cc). Splash-type lubrication system; up-draft, float feed carburetor with pulse-type fuel pump; dual element, reusable paper cartridge and oil-foam air filter. Internal, flyweight type oil bath governor with external adjustments.

FUEL CAPACITY

5.3 U.S. gal. (20.1 liters)

STARTING SYSTEM

Key-electric, 3-amp flywheel alternator and magnet. 12 volt, 42 amp/hr. lead/acid battery.

TRANSMISSION

Sliding spur gear with external forward/reverse friction clutches. No belts or chains. Splash lubrication system. Cast iron housing.

GROUND SPEEDS AT 3600 RPM ENGINE SPEED

8 forward speeds with instant reverse in any forward gear. .49, .76, 1.11, 1.66, 2.50, 3.75, 5.60 and 8.54 mph (.78, 1.22, 1.76, 2.66, 4.00, 6.00, 8.96 and 13.66 kmh). 4 reverse speeds. 1.11, 1.66, 2.50 and 3.75 mph. (1.76, 2.66, 4.00 and 6.00 kmh).

POWER TAKE-OFF

1000 RPM. Direct all-gear drive with wet cone clutch, running in oil, in cast iron housing. Center location standard. Front and rear PTO optional.

TIRES

Standard: Front, 16 x 6.50 x 8 Turf Tread. Rear, 23 x 8.50 x 12 Turf Tread. Optional: Rear, 23 x 8.50 x 12 Super Terra-Grip.

STEERING

Rack and pinion steering with heavy duty tie rods (3/4" diameter with drilled and tapped ends both left and right hand threads for easy toe in adjustment), ball joints (forged steel 5/8" ball size with taper shank and 1/2-20 class 2 threads), and sintered bronze king pin bushings.

BRAKES

Transmission hand brake and parking lock. Optional: Individual rear-wheel steering brakes.

CONTROLS AND INSTRUMENTATION

Forward/reverse lever, PTO control, gear shift, hi-lo range shift, throttle, choke, key ignition, headlight switch, gas gauge, hour meter.

SEAT

High-back, semi-bucket type. Foam-padded with weather resistant vinyl cover.

DIMENSIONS

Overall length 75-1/2" (1.92M), width 36-3/8" (.92M), height 43" (1.09M), wheelbase 48" (1.22M). Ground clearance 7" (.18M).

SHIPPING WEIGHT

870 lbs. (391.5 kg)
60.8 cu. ft.

ATTACHMENTS & ACCESSORIES

Powers more than 20 Gravely and Gravely-approved attachments for mowing, gardening, landscaping, snow removal earth moving, spraying, composting, etc. See attachment sheet for complete list and specifications.

MANUAL ATTACHMENT LIFT

8160—Standard

HYDRAULIC ATTACHMENT LIFT

8161-1200 psi system regulated by pressure relief valve. Gear pump 1.7 GPM at 3600 engine RPM. Double-acting cylinder 1-1/2" bore (3.81 cm), 3" stroke (7.62 cm).

PAINT

Standard: Red.

MODEL 8171 GROUNDS MAINTENANCE TRACTOR

ENGINE

Onan Model CCKA air-cooled, cast iron, opposed twin-cylinder 4-cycle engine. 16.5 hp at 3600 RPM. Displacement 49.80 cu. in. (816.01 cc). Pressure lubrication system. Down-draft carburetor, automotive diaphragm fuel pump, dry-type replaceable air filter. Internal gear-driven flyweight type governor with external adjustments.

FUEL CAPACITY

5.3 U.S. gal. (20.1 liters)

STARTING SYSTEM

Key-electric, 15-amp flywheel alternator. 12 volt, 42 amp/hr. lead/acid battery.

TRANSMISSION

Sliding spur gear with external forward/reverse friction clutches. No belts or chains. Splash lubrication system. Cast iron housing.

GROUND SPEEDS AT 3600 RPM ENGINE SPEED

8 forward speeds with instant reverse in any forward gear. .49, .76, 1.11, 1.66, 2.50, 3.75, 5.60 and 8.54 mph (.78, 1.22, 1.76, 2.66, 4.00, 6.00, 8.96 and 13.66 kmh). 4 reverse speeds. 1.11, 1.66, 2.50 and 3.75 mph. (1.76, 2.66, 4.00 and 6.00 kmh).

POWER TAKE-OFF

1000 RPM. Direct all-gear drive with wet cone clutch, running in oil, in cast iron housing. Center location standard. Front and rear PTO optional.

TIRES

Standard: Front, 16 x 6.50 x 8 Turf Tread. Rear, 23 x 8.50 x 12 Turf Tread. Optional: Rear, 23 x 8.50 x 12 Super Terra-Grip.

STEERING

Rack and pinion steering with heavy duty tie rods (3/4" diameter with drilled and tapped ends both left and right hand threads for easy toe in adjustment), ball joints (forged steel 5/8" ball size with taper shank and 1/2-20 class 2 threads), and sintered bronze king pin bushings.

BRAKES

Transmission hand brake and parking lock. Optional: Individual rear-wheel steering brakes.

CONTROLS AND INSTRUMENTATION

Forward/reverse lever, PTO control, gear shift, hi-lo range shift, throttle, choke, key ignition, headlight switch, gas gauge, hour meter, oil pressure light.

SEAT

High-back, semi-bucket type. Foam-padded with weather resistant vinyl cover.

DIMENSIONS

Overall length 75-1/2" (1.92M), width 41-3/4" (1.06M), height 43" (1.09M), wheelbase 48" (1.22M). Ground clearance 7" (.18M).

SHIPPING WEIGHT

935 lbs. (420.7 kg)
60.8 cu. ft.

ATTACHMENTS & ACCESSORIES

Powers more than 20 Gravely and Gravely-approved attachments for mowing, gardening, landscaping, snow removal earth moving, spraying, composting, etc. See attachment sheet for complete list and specifications.

MANUAL ATTACHMENT LIFT

N/A

HYDRAULIC ATTACHMENT LIFT

8171-1200 psi system regulated by pressure relief valve. Gear pump 1.7 GPM at 3600 engine RPM. Double-acting cylinder 1-1/2" bore (3.81 cm), 3" stroke (7.62 cm).

PAINT

Standard: Red.

GRAVELY®

Clarke-Gravely Corporation
A Studebaker Worthington Company
1 Gravely Lane, Clemmons, North Carolina 27012
919/766-4721, Telex: 806433 Gravely WSL

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Authorized 1978 GSA Federal Supply Schedule GS-07S-02447. 1978 HUD Contract Number, OAH (CO)m-2308.

ATTACHMENT SPECIFICATIONS.

50 INCH, 3-BLADE CENTER MOUNT ROTARY MOWER

CUTTING HEIGHT: 1-1/2" (3.81 cm) to 3-1/2" (8.89 cm) in 1/2" (1.27 cm) increments. **MOWER DECK:** 12 gauge (.27 cm) deep drawn deck with reinforcing deck support plate. **SPINDLE ASSEMBLIES:** 1" (2.54 cm) diameter spindle shafts turning on taper roller bearings mounted in cast iron spindle housings greasable from top of mower. **BLADES:** 17" (43.18 cm) long. Thickness: .204" (.52 cm) hi-lift. **DISCHARGE:** Side. **DRIVE:** Die cast aluminum, right angle gear box, bevel gears and taper roller bearings; gear box driven by telescoping universal shaft from PTO. **DIMENSIONS:** Overall Width: 62" (157.48 cm); Width of Cut: 50" (127.06 cm); Overall Height: 15" (38.10 cm); Overall Length: 35" (88.90 cm); Overall Weight: 263 lbs. (119.3 kg). **PERFORMANCE DATA:** Can cut up to 12 acres (4.86 ha) per 8 hour day. **PAINT:** Standard: Red.

40 INCH, 2-BLADE FRONT MOUNT ROTARY MOWER

CUTTING HEIGHTS: 1-1/2" (3.81 cm) to 3" (7.62 cm). In 1/4" (.64 cm) increments. **MOWER DECK:** 12 gauge (.27 cm) welded steel construction with reinforcing deck support plate. **SPINDLE ASSEMBLIES:** 1" (2.54 cm) diameter shafts turning in greasable taper roller bearings mounted in welded steel construction spindle housings. **BLADES:** 20-1/2" (52.07 cm) long, .204" (.52 cm) thick, hi-lift. **DISCHARGE:** Rear. **DRIVE:** Right angle cast iron gear box with bevel gears and taper roller bearings. V belt drive to all spindles with spring tension belt tightener. **DIMENSIONS:** Overall Width: 42" (106.70 cm); Width of Cut: 40" (101.60 cm); Overall Height: 15-1/2" (39.40 cm); Overall Length: 34-3/4" (88.30 cm); Overall Weight: 183 lbs. (83.00 kg). **PAINT:** Standard: Red.

40 INCH, 3-BLADE CENTER MOUNT ROTARY MOWER

CUTTING HEIGHTS: 1-1/2" (3.81 cm) to 3-1/2" (8.89 cm); in 1/2" (.27 cm) increments. **MOWER DECK:** 12 gauge (.27 cm) welded steel construction. **SPINDLE ASSEMBLIES:** 1" (2.54 cm) diameter shafts turning in greasable taper roller bearings mounted in welded steel construction spindle housings. **BLADES:** 13.82" (35.10 cm) long, .204" (.52 cm) thick, hi-lift. **DISCHARGE:** Side. **DRIVE:** Die cast aluminum, right angle gear box, bevel gears and taper roller bearings; gear box driven by telescoping universal shaft from PTO. **DIMENSIONS:** Overall Width: 50-1/2" (128.27 cm); Width of Cut: 40" (101.60 cm); Overall Height: 15" (38.10 cm); Overall Length: 35" (88.90 cm); Overall Weight: 206 lbs. (93.44 kg). **PAINT:** Standard: Red.

TWO-STAGE SNOWBLOWERS: 38 INCH AND 44 INCH

DESCRIPTION: Frame and body are reinforced die formed and welded construction. Impeller fan is 16" (40.64 cm) diameter, welded construction. Auger is 16-1/2" (41.91 cm) diameter, welded construction. Adjustable skids from 0 to 1-3/4" (0 to 4.45 cm). Worm gear auger drive enclosed in cast iron housing with sealed ball and needle bearings protected by an auger slip clutch. The auger drive and the impeller fan are direct driven by tractor PTO through a double universal joint. The directional chute assembly is operated by control at operator's position.

DIMENSIONS:

	38 INCH SNOWBLOWER	44 INCH SNOWBLOWER
Overall Width:	38" (96.52 cm)	44" (111.76 cm)
Width of Swath:	38" (96.52 cm)	44" (111.76 cm)
Overall Height:	37" (93.98 cm)	37" (93.98 cm)
Overall Length:	33" (83.82 cm)	33" (83.82 cm)
Overall Weight:	250 lbs. (113.40 kg)	280 lbs. (127.01 kg)
Cubic Feet:	17-1/2 cu. ft.	19-1/2 cu. ft.

Note: 38 inch snowblower recommended for 8120, 8121, 8160 and 8161 tractor models. 44 inch snowblower recommended for 8161 and 8171 tractor models.

SNOWDOZER BLADE

DESCRIPTION: Front mounted, reinforced welded steel construction. The spring trip blade is angled to the right, left or straight ahead from the operator's position. **DIMENSIONS:** Overall Width: 48" (121.92 cm); Width of Swath: 48" (121.92 cm); Overall Height: 21" (53.34 cm); Overall Length: 12-1/2" (31.75 cm); Overall Weight: 120 lbs. (54.34 kg).

POWER BRUSH

DESCRIPTION: Power brush is powered by a die cast aluminum, right angle gear box, bevel gears; gear box driven by double universal joint assembly; no belts. Shaft drive from gear box to roller chain driving shaft and brush; no belts. Angling feature right, left or center from operator's position. Brush: continuous spiral polypropylene bristles or polypropylene and steel wafer.

HAULING CART

DESCRIPTION: Cart body is welded steel, reinforced. Bolted and welded frame construction. Removable tailgate, easy dumping latch. 1" (2.54 cm) axle, 400 x 8, 2 ply tubeless tires, 1000 lb. (453.60 kg) capacity. **DIMENSIONS:** Overall Width: 30" (76.20 cm); Overall Height: 11-1/2" (29.21 cm); Overall Length: 45-1/2" (118.11 cm).

REAR TILLER

DESCRIPTION: Reinforced welded steel construction. Heavy duty universal drive shaft to enclosed worm gear drive; no belts. Cast iron gear box, precision ball bearings. Forged steel tines, 14" (35.56 cm) in diameter. **DIMENSIONS:** Overall Width: 30" (76.20 cm); Tilling Width: 30" (76.20 cm); Overall Height: 17-1/2" (44.40 cm); Overall Length: 26" (66.00 cm); Overall Weight: 180 lbs. (81.65 kg). **PAINT:** Standard: Red.

ROTARY PLOW

DESCRIPTION: Direct drive from tractor PTO to cast iron, right angle gear box, bevel gears, precision ball bearings greasable from the top of gear box.

CENTER MOUNT SCRAPER BLADE

DESCRIPTION: Heavy duty welded construction. 48" (121.92 cm) wide. Angle adjustment from operator's position.





**WITH ALL YOU
CAN ATTACH TO A GRAVELLY,
NO WONDER OUR
CUSTOMERS HAVE GROWN
SO ATTACHED TO US.**

ATTACHMENTS

- 50 inch (1.27 M) 3-Blade Center Mount Rotary Motor
- 40 inch (1.07 M) 2-Blade Front Mount Rotary Mower
- 40 inch (1.07 M) 3-Blade Center Mount Rotary Mower
- 38 inch (96.52 cm) Snowblower
- 44 inch (1.12 M) Snowblower
- 48 inch (1.22 M) Snowdozer
- Power Brush
- Hauling Cart
- Rear Tiller
- Rotary Plow
- Center Mount Scraper Blade

ACCESSORIES

- Rear Power Take-Off
- Liftable Rear Hitch
- Front Adapter Kit
- Front Drive Kit
- Axle Latch Kit
- Trailing Hitch Kit
- Lift Assist Kit
- Lift Assist Auxiliary Kit
- Weights
- Front Wheel Weights
- Rear Wheel Weights
- Wheel Brake Kit
- Tire Chains
- Wrench, Triple Purpose

ALLIED EQUIPMENT

- ARPS mini-blade
- ARPS mini-rake
- Kwik-Way front end loader
- Roxy-Bonner gang reel mowers
- Nortech Log Splitter
- Parker Lawn Sweeper
- Kenisco Spiker-Aerator
- Garber-Seeder-Spreader
- E-Z Rake
- Ohio Steel Fabricators Lawn Roller
- Amerind-MacKissic Shredder
- Ohio Steel Fabricators—Mold Board Plow
- Cultivator
- Disc Harrow
- Haban Sickle Mower
- Amerind-MacKissic Sprayer
- Brinly-Hardy—Power Caster
- Tool Bar
- 42 inch (1.07 M) Rear Blade with Scarifier
- Spiker-Aerator
- Lift type disc harrow
- 10" mold board plow
- Garden Planter & Fertilizer Unit
- Row Crop Cultivator
- Dump Hopper
- Compactor-Rake



GRAVELLY MAKES NO WARRANTIES—EXPRESS, IMPLIED OR OTHERWISE FOR ANY OF THE ALLIED EQUIPMENT SHOWN ABOVE. Allied Equipment is manufactured and warranted by the individual manufacturers. Proper use of Allied Equipment when attached to the recommended Gravelly Equipment will not void Gravelly's own Equipment Warranty. CAUTION—use of attachments not shown above can result in voiding the Gravelly Equipment Warranty.