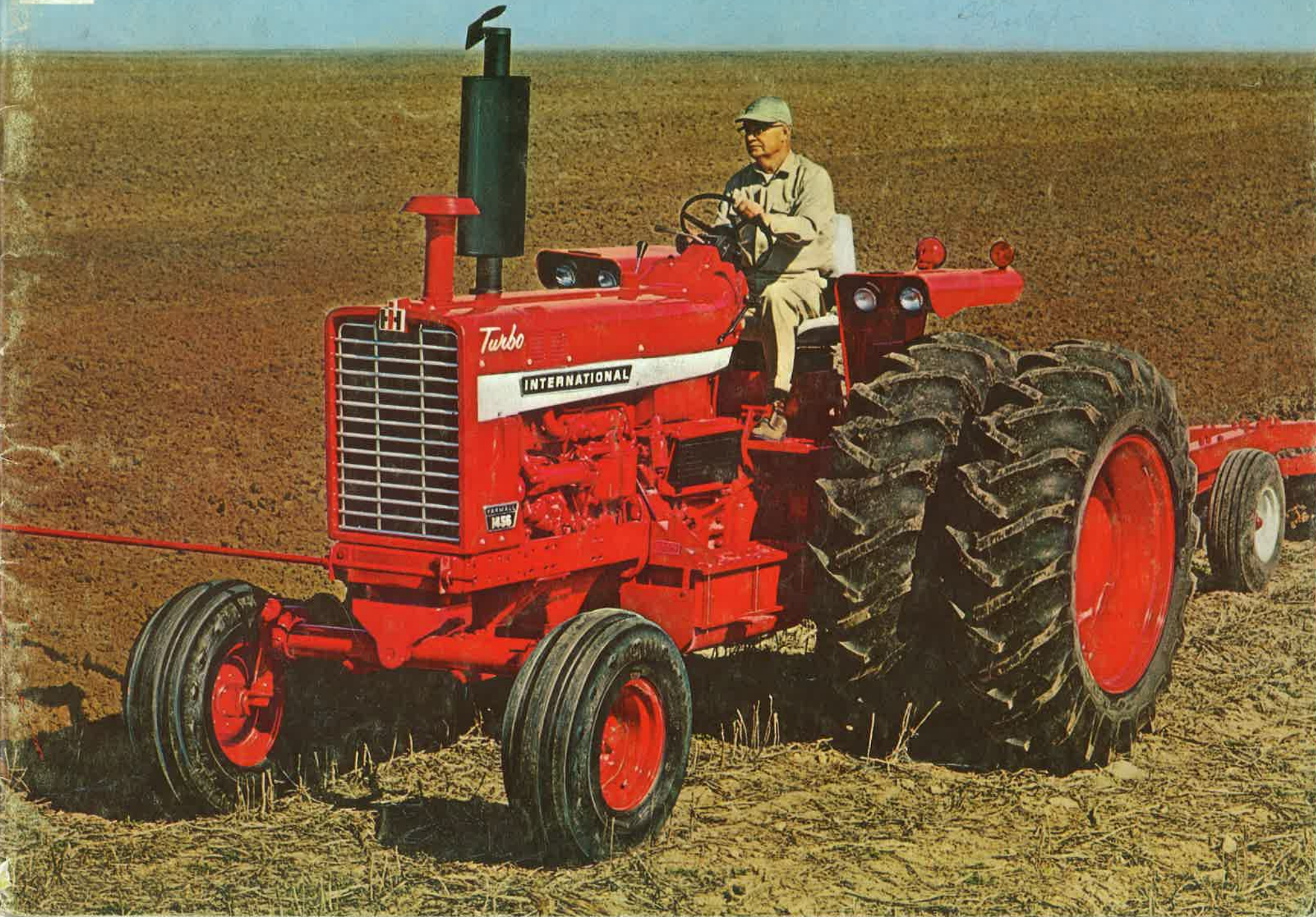




INTERNATIONAL FARM EQUIPMENT **BUYER'S GUIDE**



The choice is yours

We are pleased to have the opportunity to send you this 1970 International Buyer's Guide.

Whether you are a regular, part-time, or some-time customer, we want you to know what's new at IH for 1970 . . . in tractors, plows and tillage equipment . . . in planting and seeding, spraying and cultivating . . . in hay tools, harvesting and materials handling; in short, you'll find new models in every major category for 1970.

We also want you to know the full *depth* of the tractor and implement lines at IH—in well-known regular models as well as new ones. Whatever your operation, whatever your acreage, IH has the tractors and implements.



First to serve the farmer



For big fields, heavy loads, tough terrain

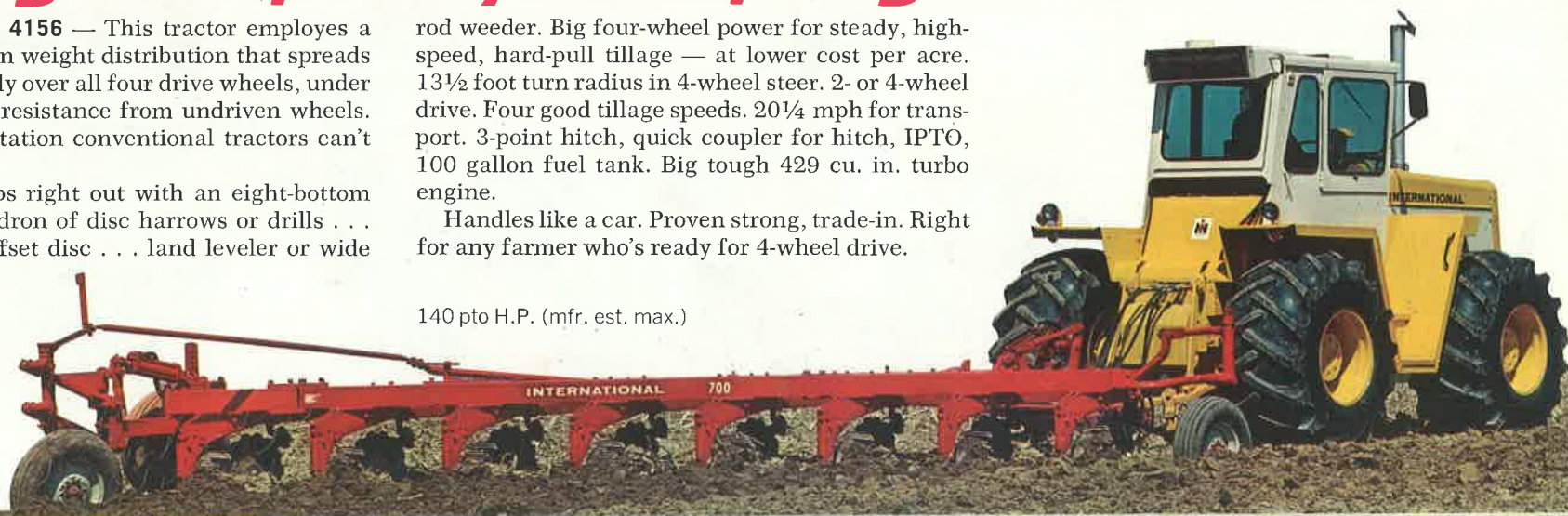
INTERNATIONAL 4156 — This tractor employs a unique concept in weight distribution that spreads the weight equally over all four drive wheels, under load. No rolling resistance from undriven wheels. Traction and flotation conventional tractors can't equal.

The 4156 steps right out with an eight-bottom plow . . . a squadron of disc harrows or drills . . . 15- or 18-foot offset disc . . . land leveler or wide

rod weeder. Big four-wheel power for steady, high-speed, hard-pull tillage — at lower cost per acre. 13½ foot turn radius in 4-wheel steer. 2- or 4-wheel drive. Four good tillage speeds. 20¼ mph for transport. 3-point hitch, quick coupler for hitch, IPTO, 100 gallon fuel tank. Big tough 429 cu. in. turbo engine.

Handles like a car. Proven strong, trade-in. Right for any farmer who's ready for 4-wheel drive.

140 pto H.P. (mfr. est. max.)



Big, new...powers up your profit

INTERNATIONAL 1456 TURBO DIESEL. The new, high-powered 1456 does more, earns more pulling big implements at faster speeds. Yet it handles like a tractor half its size. New power. New strength. Big new axles, tires, bull gears,

disc brakes, muffler. New two-door, high-comfort cab (optional). Easy steering and shifting. Hydraulically adjustable seat. Wedge lock wheels. Great power for big farming. Test a new 1456 Turbo soon.



STANDARD TREAD TRACTORS are available in most power sizes. They feature the same power and comfort features as the Farmall models but with axle and tire equipment best suited to open country field work. International 1456 Turbo shown.





Two tough pullers for high-speed farming

INTERNATIONAL 856. Here's a tractor to trust . . . with ability proved in hundreds of thousands of high-speed, hard-pull hours. Rugged, steady power. Plenty of useful speeds, easy shifting plus shift-on-the-go torque amplifier. Dual-stage dry-type air filter. Power disc brakes. Also available: exclusive torsion bar draft control that provides steady plowing to save time and fuel; weight transfer attachment; quick coupler; wedge lock wheels; dual shaft powershift IPTO; sturdy quick-change duals; new pressurized cab; magnetic pulse transistor ignition for gas models.

856 100.49 pto and 90.09 drawbar hp diesel, 93.27 pto and 81.04 drawbar hp gasoline, 93.42 pto and 84.37 drawbar hp LP gas.

INTERNATIONAL 756, available in gas or L.P. gas, Farmall or International standard tread models. Like the larger 856, the 756 hustles through heavy work schedules with dependability, economy, and easy handling.



756 76.56 pto and 68.29 drawbar hp gasoline, 76.30 pto 68.41 drawbar hp LP gas.



INTERNATIONAL 1026 HYDROSTATIC.
112 H.P. pto (Mfr. est. max.). 407 cu. in. turbo diesel engine.

INTERNATIONAL 826 HYDROSTATIC.
84 H.P. pto (Mfr. est. max.). Choice of 358 cu. in. diesel or 301 cu. in. gas engines.

Big H.P. Hydrostatic



is here!

Infinite speeds . . . change "on-the-go," under load or with no load, at full engine RPM and full power. Choose any speed with baler or forage harvester. Go slow in heavy crops, faster in light crops — and, for the first time, realize full productive capacity of the machine. Plant at precisely the right speed with Hydrostatic. Plow at higher average speeds (more acres per day). Cultivate as fast as conditions will allow. Do more work — easier! You can — with Hydrostatic IH Hydrostatics are the only farm tractors with infinite speed choice, all at full RPM and full engine power. They are, by far, the easiest tractors to drive. Proved in our 544 and 656 Hydrostatic tractors. Available now in these two bigger packages — the 826 and the turbo 1026. Be sure to drive a new Hydrostatic soon.



"90-PLUS" pto horsepower

(Mfr. est. max.)

New! More tractor per dollar

INTERNATIONAL 826 DIESEL GEAR DRIVE. Here's a powerful new 358 cu. in. diesel engine on a chassis that weighs hundreds of pounds more than most tractors in this class. Here's modern power. Real drawbar lugging ability you can feel . . . as it builds up to pull through tough spots — *really hangs in there* — then recovers at once when the tough spot is past. Easy shifting. Easy power steering. Smooth power disc brakes. Seat adjusts six ways for comfort. Standard transmis-

sion provides 8F-4R speeds. And with Torque Amplifier you get twice the number of speeds plus ability to shift on-the-go. Full complement of options, such as new, two-door cab, safety frame and canopy, new differential lock, auxiliary fuel tank, torsion bar draft control, optional axles, dual wheels and more. Try an 826 Gear drive soon. Get that feel of modern power with more built-in weight . . . in this diesel tractor that drives easy and gets more done.



GEAR DRIVE 544: 52.95 pto and 45.44 drawbar hp diesel. 52.84 pto and 45.51 drawbar hp gas.

Built "big" to work big

INTERNATIONAL 544. It's every inch a member of the family. From big tractor looks to a whole series of "worth-more" features, including smooth-working, 4-cylinder gasoline and diesel engines. Durable Dyna-Life® clutch. Alternator. Dry-type air cleaner. Comfortable seats. Easy shifting. Handy controls. Hydrostatic power steering. Farmall and International 544's bring you International dependability, economy, and easy driving.

Best "buy" in its class

INTERNATIONAL 656. Reasonably priced, reasonable to run. Widely accepted for dependability and high productivity. The heavyweight in its class. Husky gas and diesel engines. Accurate draft control hitch. Hydrostatic power steering. Big platform. Dyna-Life® clutch. Five speeds forward, one reverse. Shifts as easily as a car. Optional Torque Amplifier provides 10 forward and 2 reverse speeds plus shift-on-the-go. Optional forward reverse drive, gives you five speeds each way (great for a loader).



GEAR DRIVE 656: 63.85 pto and 54.94 drawbar hp gasoline. 61.52 pto and 54.90 drawbar hp diesel.

HYDROSTATIC 656: 66.06 pto and 52.12 drawbar hp diesel. 65.80 pto and 51.88 drawbar hp gasoline.

Hydrostatic Drive

Infinite speed... change "on-the-go," under load or with no load, at full engine RPM and full power.



Just push the Speed Ratio (SR) control forward to move forward. The farther you push it, the faster you go. To stop, move the SR control back to zero mph and have smooth, safe, controlled stopping. To back up, move the control rearward into reverse ratio and pick the reverse speed you want.

Hydrostatic drive is totally different from anything you've ever operated. There is no clutch. No gears. No turbines. No shifting. No clutching. It is not a torque converter. It is not an "automatic" transmission. It is not a power shift type.

IH Hydrostatic Drive is a rugged, simple transmission that combines a piston-type hydraulic pump with a piston-type hydraulic motor. Your engine drives the hydraulic pump, which powers the hydraulic motor, which turns the drive shaft. And you control it to your maximum advantage.

It all adds up to greater productivity. Substantially more work done in the same time with exclusive Hydrostatic All-Speed Drive.

Important too: Hydrostatic is so easy to drive and makes it so easy to get the right speed and power for every job, that any operator can do more work... and actually enjoy driving... with Hydrostatic.

HYDROSTATIC 544: 50-59 pto H.P. class.



Do more work ...easier

with International Hydrostatic:
544, 656, 826, 1026

Forage harvesting—Hydrostatic lets you make instant, “on-the-go” changes in ground speed without touching the throttle. To go slow for heavy crops and speed up for light crops, keeping full horsepower and PTO speed at all times and keeping the machine operating at full capacity. You get more tons per hour with a Hydrostatic tractor. And with Power Forage Feeder Wagons, match the speed with the chopper. Keep the spout over the wagon.

Cultivation gets done faster with Hydrostatic All-Speed Drive—because Hydrostatic provides the fastest possible cultivating speed that conditions will allow.

When baling, the operator can keep his baler running at the maximum rated tons per hour. Before Hydrostatic, it was difficult to work a hay baler at its rated capacity hour after hour. With Hydrostatic drive you eliminate plugging . . . operate at full PTO speed and choose the right ground speed for conditions.

Planting for top yields is always a precision operation. With Hydrostatic, maintaining the right ground speed for precise planting is as easy as moving the SR (Speed Ratio) control and watching the speedometer. And what a relief to be able to apply chemicals at the speed specified.

Loading. Hydrostatic helps move more loads per hour. You can go forward . . . stop . . . reverse without touching the throttle or clutching—just by moving the SR control forward and rearward. Full horsepower at all times means full hydraulic power at all times. You can crowd the bucket better—get heaping loads faster.

Plowing. Choose the best speed with your (SR) control. Then, if you hit hard ground and begin to lose headway, move the speed control rearward to slow down and get more drawbar pull through the tough spot. As soon as you're through the tough spot you can return to the original ground speed setting “on-the-go.”



Chop extra tons of forage per hour . . . easier.



Plant and apply chemicals at *precise* speed needed . . . easier.



Bale more tons per hour . . . easier.



Move more loads per hour . . . easier.



Cultivate at optimum speed . . . easier.

All-around action tractor

International 444. Now step ahead with the spunkiest first tractor or helper in its class. Actually fun to drive, 444 has the features you want; accurate draft control hitch; differential lock; 8 speeds forward, 2 reverse; constant-running PTO (or optional transmission PTO) and comfortable adjustable seat. It's nimble—8½-foot turning radius with regular steering or optional hydrostatic power. Economical engines, gas and diesel. Speedy with a loader. Sturdy on heavy tillage. 444 gives you the work and comfort features to finish faster and easier.

38.09 pto and 33.11 drawbar hp gasoline;
36.91 pto and 32.87 drawbar hp diesel.



23.7 pto and 21.3 drawbar hp gasoline.

For delicate, high-value crops

International 140. IH Culti-Vision offset design offers perfect visibility for fast, hoe-close cultivation of young, tender, valuable crops—bedded, flat or furrowed. You can move along an inch from the row, knowing you have a clear view of the work. Sensitive, accurate Touch-Control hydraulic system. 8½-foot turning radius. Accurate worm-gear steering. Four-speed transmission, optional Fast-Hitch. Hi-Clear model 140, also available, offers 27-inch crop clearance.



Outstanding utility power

International Cub Tractor 10.4 belt and 9.9 drawbar H.P. — gasoline. Versatility in a class by itself. Cub features offset design . . . Touch Control hydraulics . . . good speeds . . . driving comfort and quick steering. Perfect for loading, moving, hauling, etc. A Cub lasts years and years (some of the first Cubs are still on the job) and keeps its resale value.



Turn on the

International Cub Cadet lawn and

New power! 14 H.P. model 147; 12 H.P. 127; 10 H.P. model 107—all with Hydrostatic drive — one-lever control of direction, braking, and infinite speed selection from zero to 8 mph forward, zero to 4 mph reverse. 126, 106 and 73 models feature “sports car” shifts with 12, 10 and 7 H.P. respectively and 3-speed transmission. All Cub Cadets have cold-weather starting; built-in safety features;



Mowing power

Cadet 60 Riding Mower. This one does more work, offers more features . . . more attachments for four-season use — mower, dump cart, front-mounted blade. And six H.P. engine for *go* and stamina. Full-length steel frame. High-back, upholstered seat. “Dead-man’s control” for safer mowing. Tough fiberglass body. 24” turning radius. Rotary mower cuts a 32” swath, adjusts on the go for 1½ to 4” cutting heights. Two foot pedals control forward and reverse—4 speeds each way.

power!

garden farm power

natural controls; long-life construction; brand-new Quick-Attach implements. Each Cub Cadet has the famous "direct drive"—all metal with heavy, precision-cut gears, and ball-and-roller bearings from engine to axle. (No belts to frazzle, break, or waste power.) Test a Cub Cadet before you buy. Get the best in new lawn and garden power.



Work power

International® Cub® 154 Lo-Boy® tractor is designed for work power . . . with 15 H.P. engine, style, balance, maneuverability, convenience, comfort — all here and ready to go to meet today's needs in lawn, garden and farm utility use. The 154 offers a more quiet, water-cooled engine with increased rpm to 2200; independent power-take-off; a time-tested and work-proved transmission; cleaner, safer deck; convenient panel-cluster controls; more man comfort — and many other practical features to make it best buy in its class. A variety of attachments is available including 42, 48 and 60-inch wide International Rotary Mowers and Cutters.



Crawler power

International 500C Agricultural tractor with 146 cu. in. 4-cylinder gas, or 155 cu. in. 3-cylinder diesel gives you power that pays off. Choice of 4-speed gear drive, or 4-4 Power-Shift-Reverser gear transmission suits your tractor to your work — saves time! Loose soils won't faze the 500C. Steep sidehills either. Plenty of pull for drawbar work. Versatility with 3-point hitch tools. Heavy duty power train; long-lasting 11" Dyna-Life clutch; heavy-duty steering clutches, final drive and track frames with solid rear sprockets and front idlers. Two-stage air cleaning system. Turn-key starting (gas or diesel).

Convenience...Clearance...Strength

You'll enjoy the convenience of quick hitching, top maneuverability, plus the trailing-plow quality of work you get with these rugged International mounted plows. There's an economy advantage, too . . . you save the cost of wheels, axles, and extra cylinders.

High clearance lets trash roll right through. You'll bury trash deep . . . leave a smooth, level field. And when it comes to strength, International plows offer the type of construction that keeps bottoms in perfect alignment . . . assures like-new performance year after year.



450 plow with automatic beams . . . 3 or 4 bottoms.

450 plow with spring-trip beams . . . 3, 4, or 5 bottoms.

The 450 plow features huge 30-inch vertical and 26-inch fore-and-aft clearance . . . massive 5 x 5-inch box backbone . . . extra husky beams . . . and trouble-free automatic or spring-trip beams. Fully automatic beams let you plow non-stop in rock or stump infested fields. Bottoms ride up and over sloping obstructions. If a bottom hits a hooking obstruction the beam trips, automatically resets, and instantly returns to preset plowing depth.

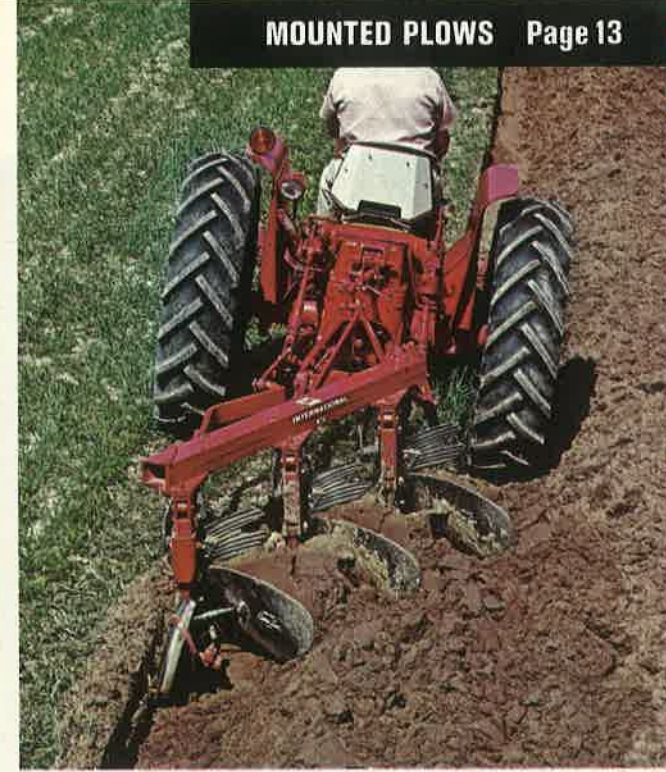




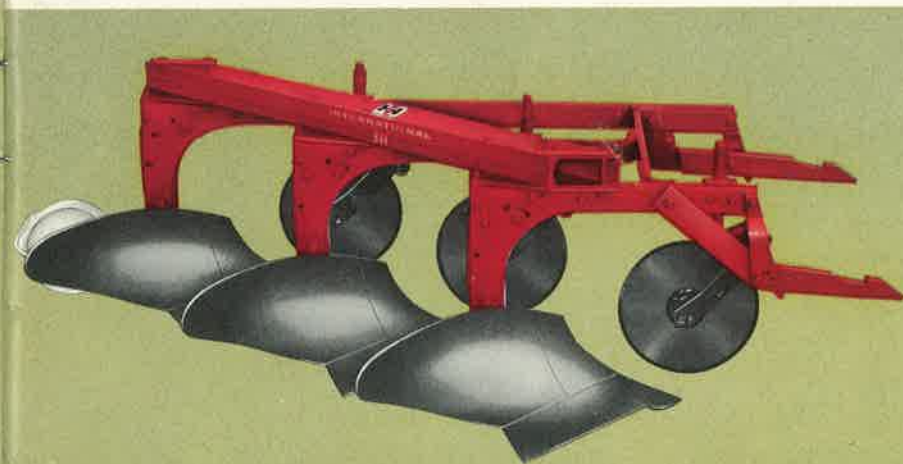
511 five-bottom and 411 four-bottom plows are designed for tractors with extra-wide tread settings, making them especially adaptable for working safely on sloping lands and hillsides. Big 27-inch vertical clearance . . . rugged, welded-steel, box backbone . . . spring-trip beams . . . 14 or 16-inch bottoms. The 511 is available with Category II three-point hitch . . . 411 with Category II hitch or Fast-Hitch.



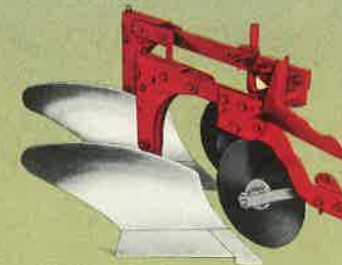
541 four-bottom and 531 three-bottom plows have full 27-inch vertical and 24-inch fore-and-aft clearance. Plow nonstop in waist-high trash . . . bury it 10 to 12 inches deep . . . leave your field clean and smooth. Category II three-point hitch . . . spring-trip beams . . . 14 or 16-inch bottoms. Precise adjustments let you set your plow for best work in all soil conditions.



420 plow . . . 2, 3, 4, and 5 bottoms. Category I or II three-point hitch, depending on plow size. Big clearance, 27-inch vertical and 21-inch fore-and-aft, lets you work nonstop in heavy trash. Husky, welded, box-beam backbone . . . spring or shear-pin trip beams. Spring-loaded rear furrow wheel, standard. Hydraulic landing available on Category II three-point hitch plows.



311 three-bottom Fast-Hitch plow cuts get-ready time to the bone. Just back into the plow, raise it with Fast-Hitch control, and head for the field. This plow follows the ground perfectly over rough fields and on the contour. With big 27-inch vertical clearance, it turns under heavy trash . . . leaves furrows that are uniform both in depth and width. Spring-trip beams.



215 two-bottom plow for Farmall tractors with one-point Fast-Hitch. The 215 floats free, cutting furrows that are uniform in width and depth. 24-inch vertical and 21-inch fore-and-aft clearance. Spring-trip beams . . . 12 or 14-inch bottoms. Rear furrow wheel and gauge wheel available.



THE 500 SERIES SEMI-MOUNTED STEERABLE PLOWS are easy to handle . . . give you outstanding maneuverability. Independent hydraulic control of front and rear of plow assures fast penetration and square headlands. Available in 6, 5, 4, and 3-bottom sizes. Category II 3-point hitch or Fast-Hitch . . . on-land, in-furrow and hydraulic shifting hitch, depending on model.



ONLY IH AUTOMATIC BEAMS GIVE YOU TWO-WAY PROTECTION.

Hit a sloping rock and the bottom rides up (bottom at right) and over and immediately returns to preset plowing depth. This vertical action protects shares and bottoms, yet reduces tripping action by 80 to 90% . . . keeps unplowed spots to a minimum. Hit a flat-sided rock or get beneath an obstruction and the bottom trips (bottom at left), resets automatically, and immediately returns to preset plowing depth.



700 SEMI-MOUNTED PLOW . . . 4 to 8 BOTTOMS

Turn short . . . plow deep and clean. The International 700 semi-mounted plow follows your tractor like a shadow . . . gives you exceptional maneuverability. The extra-husky 700 plows up to 12 inches deep. Huge clearance — 30 inches vertical, 28 inches fore-and-aft—lets heaviest cover flow through without plugging. A massive 5 x 5-inch welded box backbone provides unyielding rigidity . . . holds bottoms in perfect alignment, even when plowing maximum depth in hardest soils. Four to 8-bottom sizes . . . automatic, spring-trip, or shear-pin trip beams. Select in-furrow or on-land hitch with 3-point or Fast-Hitch, or standard drawbar hitch, depending on plow size.



700 TRAILING PLOW... 4 to 8 BOTTOMS

You'll profit more from cleaner, no-plug plowing with an International 700 trailing plow . . . because a good crop begins with good plowing. The 700 plow is built extra-strong, handles toughest soil conditions at high speed with big power tractors. It has extra big clearance—30-inch vertical and 28-inch fore-and-aft—to let trash roll through without plugging . . . and you can choose revolutionary automatic or rugged spring-trip beams for worry-free plowing. But that's not all, the 700 trailing plow has a reversible hitch for on-land or in-furrow plowing . . . full casting front and rear furrow wheels for short turns . . . independent hydraulic control of front and rear wheels that lets you pitch the plow for fast penetration. Available in 4, 5, 6, 7, and 8-bottom sizes.

700 trailing plow with spring-trip beams.

700 trailing plow with automatic beams.





70 PLOW . . . 3, 4, 5, AND 6-BOTTOM Here's a tough, rugged plow that is tops in its class. The No. 70 plows up to 12 inches deep in toughest, trashiest conditions. Backbone and axles are heavy duty... axles are mounted over the rails for extra clearance. The big six-bottom plow (shown) has a full castoring tail wheel for shortest possible turns . . . 5 and 4-bottom No. 70 plows have the same type tail wheel as the No. 60. Spring-trip or rigid beams. The 4, 5, and 6-bottom sizes can be reduced by one bottom.

60 PLOW . . . 2, 3, AND 4-BOTTOM The popular-priced No. 60 plows up to 10 inches deep in most soil and trash conditions. Choice of rugged spring-trip or rigid beams, both with the trim design that gives more-than-enough trash clearance. Exclusive IH tail wheel trails true for high-speed transport, yet pivots for turns . . . locks rigid when plowing to hold correct landside clearance. Full castoring tail wheel available on four-bottom model. Four and three-bottom sizes are reducible.

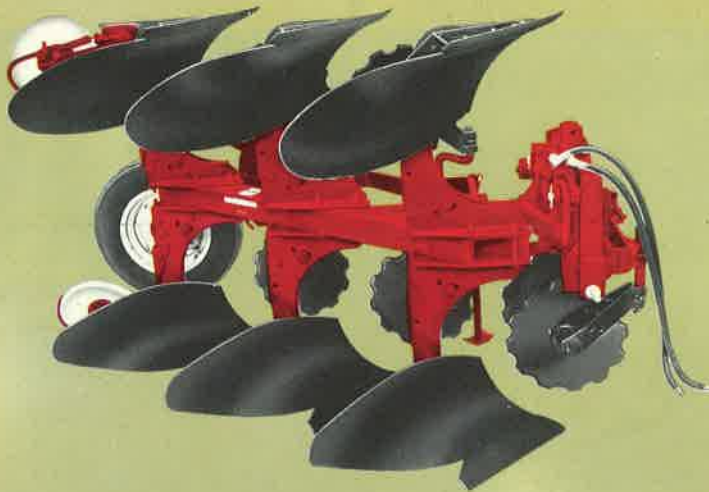




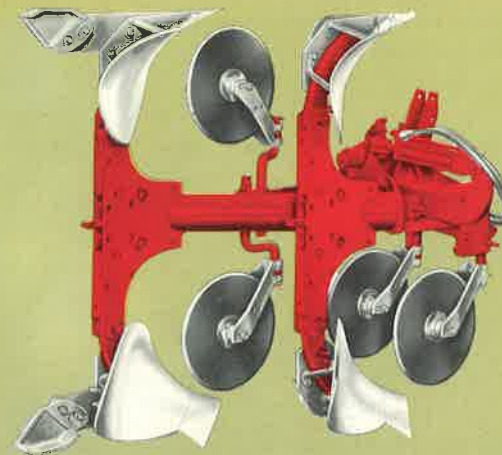
642 FOUR-FURROW TWO-WAY PLOW keeps pace with big tractor power . . . cuts big acreage down to size fast . . . plows up to 14 inches deep. It can easily be reduced from a four to a three-furrow, or converted from a three to a four-furrow by means of a bolted-on fourth beam assembly. Available with Category II 3-point hitch or Fast-Hitch. Spring-trip or rigid beams.



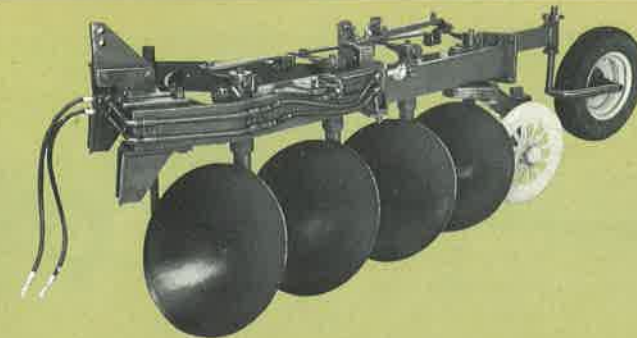
EXTRA-HUSKY 140 TWO-WAY PLOW. Top clearance — 30 in. under the frame and 28-in. fore-and-aft with 18-bottoms — lets you plow up to 14 inches deep in heaviest trash. Choose the big 4-bottom or the 3-bottom expandable to 4 . . . Category II or III three-point hitch . . . spring-trip or rigid beams . . . 16 or 18-inch bottoms. Automotive-type gauge wheel and spring-loaded, rear-furrow wheels are regular equipment. Single-arm colters with 17-inch notched blades available.



314 THREE-FURROW TWO-WAY PLOW has the built-in stamina to stand up under the abuse of toughest soils. Rugged, welded-channel backbone, and big clearance for non-stop plowing as deep as 14 inches. Category II 3-point hitch or Fast-Hitch. Spring-trip or rigid beams.



620 TWO-FURROW TWO-WAY PLOW has a tubular backbone, one-piece beams, and welded construction. Positive hydraulic rollover for fast, easy rotation of bottoms. Spring-trip or shear-pin trip beams. Close coupled design for lower hp tractors with Category I 3-point hitch.



I-46 TWO-WAY DISK PLOWS. These rugged disk plows work up to 15 inches deep. Solid and dependable, they'll take the toughest plowing in stride, whether it's working in irrigated fields, sun-baked soil, heavy roots, or building terraces.

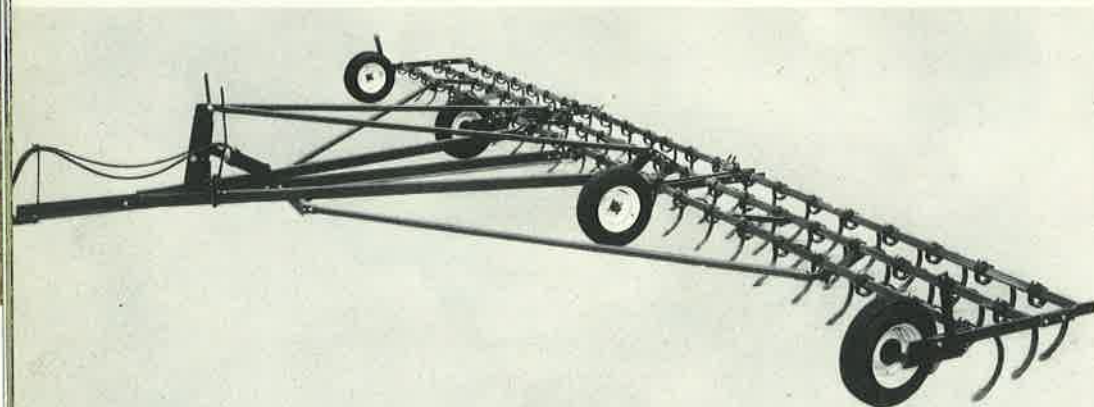
The I-46 is available in 4 or 5-furrow mounted models and 4, 5, or 6-furrow semi-mounted models. The unique design of this plow permits converting the fully mounted model to a semi-mounted model by adding a hydraulic-lift rear-wheel assembly.



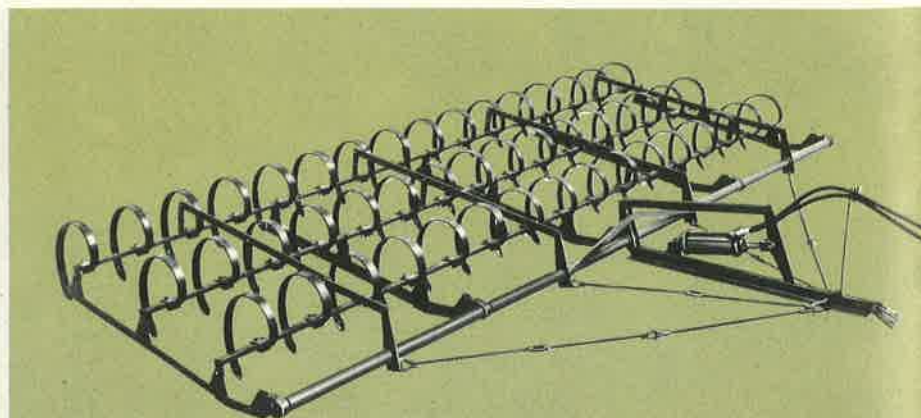
340 MOUNTED SPRING-TOOTH HARROW. The tough, dependable 340 is built to withstand the stress of high-speed, maximum depth work. Being fully-mounted, it permits you to take full advantage of draft control for keep-going farming. Hinged sections provide greatest flexibility for working rough or uneven fields. Hydraulic folding models from 16 to 21-foot sizes . . . non-folding models from 7 to 14-foot sizes. 4½ or 6-inch tooth spacing.



380 WHEEL-CONTROLLED TRAILING SPRING-TOOTH HARROW. Finish your fields quicker and at lowest cost with the big-capacity 380 harrow. All-welded main frame, welded tooth bars, oil-tempered ¾-inch spring-steel teeth and exclusive no-slip clamps provide the exceptional strength for roughest work behind big power tractors. Hydraulic power lifts and lowers the harrow for quick field turns. Wings fold hydraulically for narrow transport width. Available in 18-foot, 3-inch; 20-foot, 9-inch; and 23-foot, 3-inch sizes.



360 TRAILING, WING-TYPE SPRING-TOOTH HARROW . . . 32, 28, and 24-foot sizes . . . 6-inch tooth spacing. Just name the job—whether it's shattering crusted soil, killing weeds, or working up seedbeds, the versatile, acre-eating 360 will handle it. Narrow transport width, 13-feet, 5-inches, makes it easy to travel thru gates and down roads safely. In the field, hydraulic power lifts the 360 for fast field turns or clearing trash. All sizes have high-strength tubular 2-bar frame. A third bar attachment lets you space teeth for maximum trash clearance . . . or to provide 4½-inch tooth spacing for finishing fields.



401 TRAILING SPRING-TOOTH HARROW is available in 3 or 4 foot, joined or independent sections. Joined sections with hydraulic, power set, or manual control to 20-foot working widths. Independent sections with manual control to 18-foot widths. High-strength tubular tooth bars and exclusive non-slip clamps assure proper tooth alignment.

**Work fields
fast,
thoroughly**

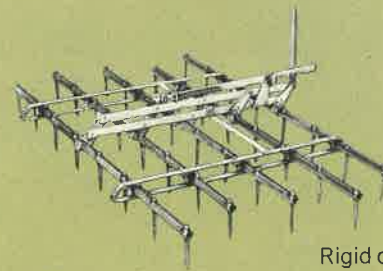


9 COIL-SPRING HARROW is equally effective in preparing seedbeds, early cultivation of row crops, or thinning beets. Double torsion coil-spring teeth vibrate in a 360° working area . . . cover every inch of soil. Handy lever quickly adjusts teeth to the desired angle. Sections are 5 feet, 4 inches wide with 40 teeth per section. Choose 11 or 16-inch teeth. Available with three-section nonfolding and four-section hydraulic folding drawbars for Category I and II three-point hitch and Fast-Hitch, or with 320 implement carrier, as shown.

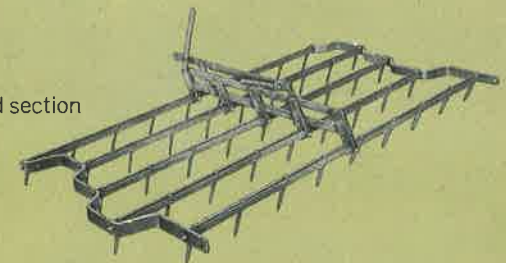


Extra-Heavy For High-Speed Harrowing

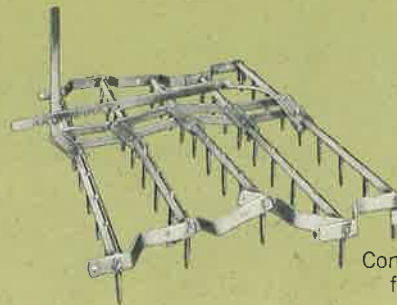
7 PEG-TOOTH HARROW. You'll like the way the No. 7 breaks up clods and prepares smooth, productive seedbeds. Diamond-shaped teeth, spaced 1.8 inches apart, are electric welded between two heavy angle irons to make an extra-strong one-piece tooth bar that resists binding, twisting or breaking of teeth. Tooth bars are reversible and interchangeable for longer life. The four types of sections illustrated are available in 5-foot, 3-inch; 6-foot; and 6-foot, 9-inch sizes.



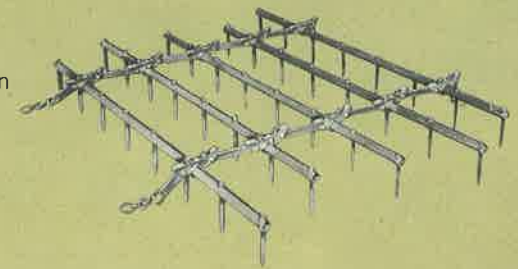
Rigid open-end section



Rigid closed-end section

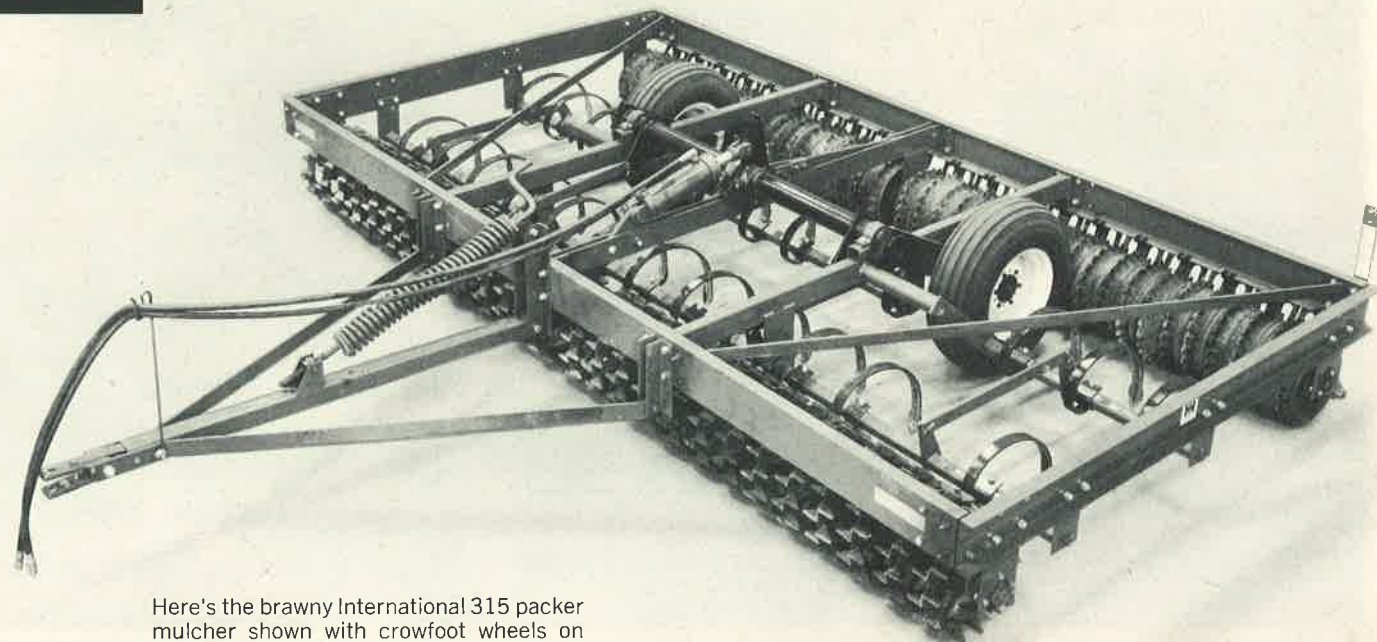


Combination rigid or flexible section



Flexible section

315 PACKER MULCHER. Crushes both surface and buried clods . . . firms the soil for faster decomposition of stalks and trash . . . improves moisture conditions. As a result, seed germination is faster and more uniform. The husky 315 has a massive 7-inch channel-steel frame to withstand the stress and strain of rough field work. Spring-loaded, self-leveling hitch keeps it level in transport and in the field. Scrapers are individually adjustable up-and-down and side-to-side, an IH exclusive. Carrying wheels, mounted inside the frame, permit easy transport thru gates and down roads. Three sizes, 12-foot, 4-inch; 13-foot, 8-inch; and 15-foot. Crow-foot wheels available for front gangs.



Here's the brawny International 315 packer mulcher shown with crowfoot wheels on front gangs.



320 IMPLEMENT CARRIER. Hitch your tractor to the popular-priced 320 carrier with a peg or coil-spring harrow and "take-off" in road gear. It's the fast, easy way to handle multi-section harrows. Specially designed hinged risers enable one man to swing harrow sections into transport position in minutes. The 320 is available with drawbars to handle 4, 5, 6, or 7 sections of the No. 7 peg-tooth or No. 9 coil-spring harrow.



15 HYDRAULIC IMPLEMENT CARRIER. You'll find that big-unit harrows and hoes are easy to handle and transport with the 15 carrier. Speeds work too! The 15 carrier handles up to 20 feet of the 401 spring-tooth harrow . . . four sections of the No. 7 peg-tooth or No. 9 coil-spring harrow . . . or a 14-foot, four-section No. 3 or 4 rotary hoe.



120 RIGID holds the furrow without bounce at high speeds, has extra-strong main frame with a more than 6-inch square box-section beam for toughest plowing and disking up to 9-inch depths. Hitch adjusts lengthwise and laterally to match tractor wheel tread and varying soil conditions. Six sizes from 6-foot, 2-inch to 16½-foot widths. Choice of 22, 24, and 26-inch disk blades spaced 9 inches apart on 1¾-inch arbor bolts.

Tough? You bet!

Big, solid one-way plows provide a profit boosting answer to smooth, big-acreage tillage with fewer ridges and depressions. Because of size and weight, one-way plows need exceptional strength to withstand stresses of big-power farming. International one-ways — from massive box-section beams to carefully heat-treated carbon or alloy steel blades — are the strongest, most rugged plows you can buy.

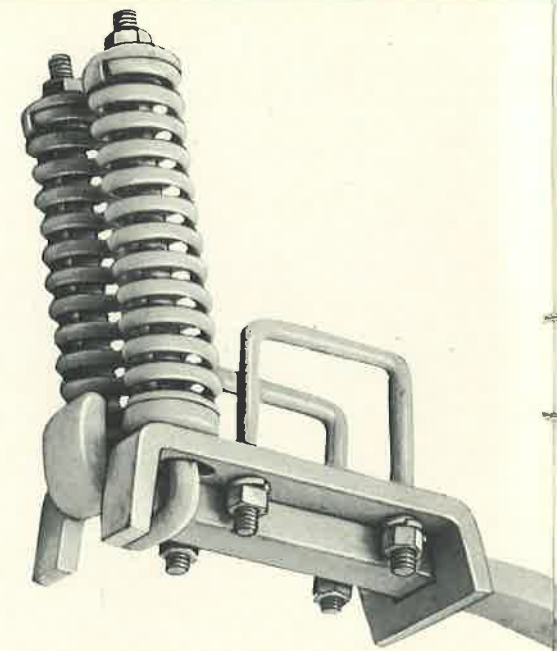
A simple wrench adjustment prepares the exclusive rear and optional front furrow wheels for work or transport in a matter of seconds . . . typical of many International one-way plow features that help you do a better job faster.

110 FLEXALL has complete flexible design with exclusive ball and socket joints between gangs. Individual gangs mold themselves to terraces, ridges, or gullies; follow ground contour. They are not restricted to straight up and down movement as are some other units. An ideal heavy-duty wide-cut one-way plow for use on rough, uneven fields, it comes in 13½ and 18-foot widths, with choice of from 22 to 26-inch disks that cut 3 to 6 inches in most soils, up to 9 inches in light soils.

300 DISKALL operates singly or in duplex, with or without seeding and fertilizer attachments. Disks are easily adjustable to 30, 35, 40, or 45 degree cutting angles. With ball and socket gang joints — plus pivot mounting of the gangs — you follow irregular ground contour at uniform depth. As deep as 5 inches with standard 18-inch disks; up to 6 inches with optional 20-inch disks. Working widths are 12 or 16 feet in single machine operations; 24, 28, or 32 feet in duplex operation. Transport width is less than 12 feet.

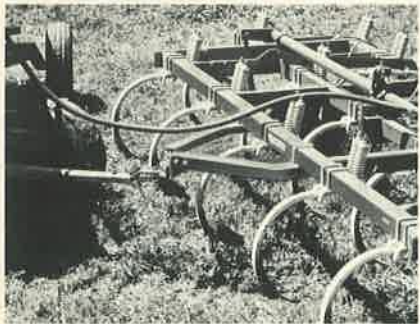


55 MOUNTED—for Category II 3-point hitch, quick coupler 3-point hitch or IH Fast-Hitch tractors of suitable power. Basic sizes of 7 and 11 feet are expandable to 9 or 11 feet, and to 13 or 15 feet, respectively.



It pays to chisel

New uses for tough tillage tested International 55 Chisel Plows make this powerful deep tillage tool more exciting than ever. Fall chisel plowing of soybean land reduces soil blowing, sets up moisture holding ridges that normally need only one spring disking for excellent seedbeds. The twisted shovel has proven successful in combating tough chemical resistant Johnson grass, does an excellent job in cotton, soybeans and corn stubble. Such new uses add to the long list of important big-power tillage jobs handled by the 55 — jobs that require capacity, flexibility, strength, and trash clearance for fast work on big acreages.



Heavy-duty trailing hitch for wing-type and regular trailing model 55 chisel plows can be used for combined tillage with grain drills and other machines.



Fields are left smoother with fewer air pockets, smaller clods, better moisture retention, when you mount this mulcher attachment behind your 55 chisel plow.



Ground working tools include twisted shovels (above), regular shovels, chisel points, spike points, regular sweeps and the new "extra action" high lift sweep.

55 TRAILING — available in 7, 10, and 13-foot sizes, expandable to 9 or 11 feet; 12 or 14 feet; and 15 to 17 feet, respectively. High clearance model is available in 13, 15, or 17-foot sizes.

Rocking action of patented spring-cushion clamps lets shanks flex almost continuously—works even rocky soils with persistent, aggressive vibration and uniform penetration. There are no pins to wear or fittings to grease. And 30-inch, between-rank spacing, plus 25 inches from point of ground working tools to frame, provide exceptional trash clearance. Vertical clearance is 32 inches on high clearance models. Low cost rigid shanks are available for good chiseling in rock and snag-free land.

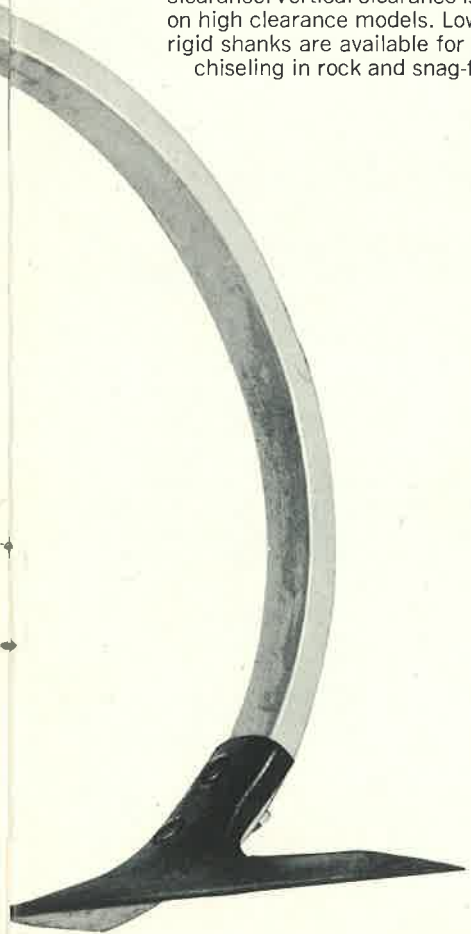


NEW **55 ROW-CROP SPECIAL MOUNTED**
 Bolted cross-member beams simplify locating shanks to suit 20-inch and up row-crop spacing, as well as 12-inch spacing for regular chisel plow work. Available in 17 and 21-ft. sizes. Transport attachment is shown in this photo.



55 WING TYPE

Center wheels are located outside main frame for excellent transport stability at road speeds. Husky regular and high clearance models are available in basic widths of 22, 25 and 31 feet, extendable to 24 or 26 feet; 27 or 29 feet, 33 or 35 feet, respectively.





45 TRAILING—Well-balanced and easy to handle, basic sizes are 12½ feet, expandable to 18½ feet; 8½ feet, expandable to 11½ feet (in 1-foot increments). Fore-and-aft shank spacing is 37½ inches between front and center ranks, 25 inches between center and rear ranks. Wide, 11-foot wheel tread on 12½-foot model and 7-foot wheel tread on 8½-foot model provides stability, helps eliminate wobble and bounce behind tractor. The 8½-foot model can be duplexed with International 101 Squadron Hitch for low-cost wide strip cultivation.

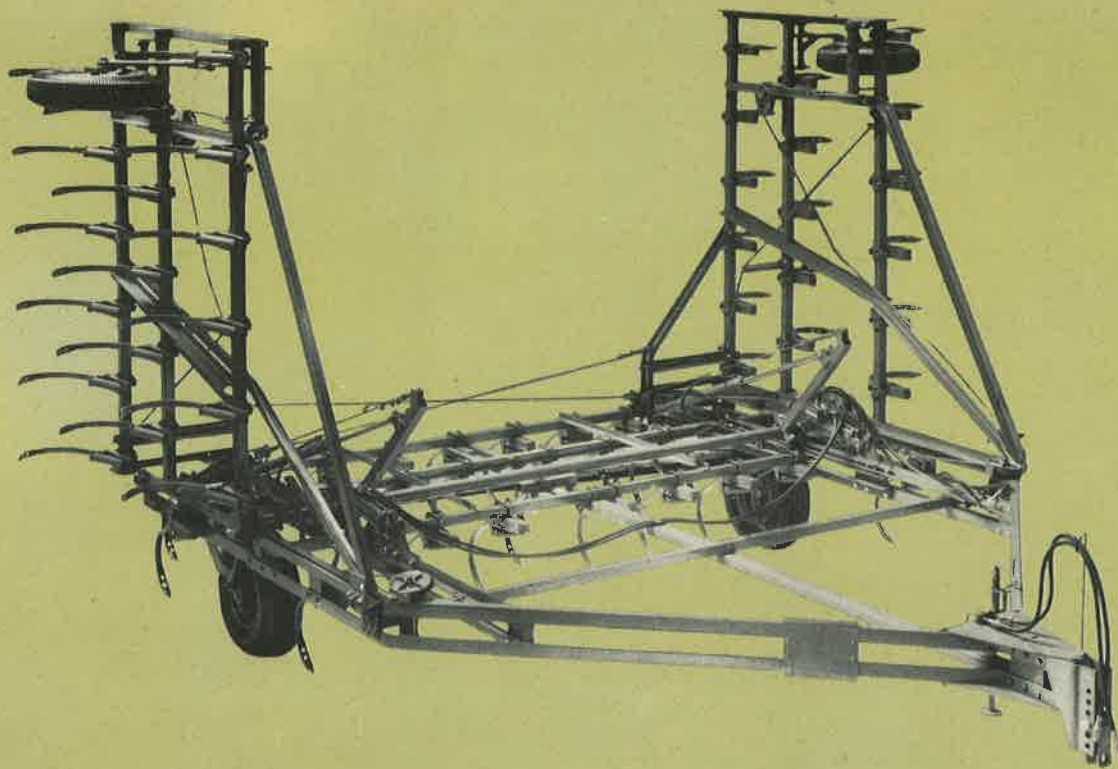
MULCHER ATTACHMENT for direct mounting to frame helps get best possible tillage in tough soils. Mulcher becomes integral part of the implement. It lifts and lowers for turns and transport, folds with extensions or wings, yet has its own spring tension to provide aggressive action independent of the implement.



Break the trash barrier

Exclusive vertical vibrating action of shanks, plus exceptional trash, stubble, and obstacle clearance make the International 45 Vibra Shank cultivator the unquestioned leader in modern minimum and secondary tillage practices. Shanks work deep and vibrate rapidly, each with freedom to do its job independently of the others. Takes regular points, twisted points, shovels, or sweeps.

45 MOUNTED—Close-coupled lift-type convenience for easy transport and maneuverability. Basic sizes of 8½ feet (Cat. I or Cat. II hitch) and 12½-foot (Cat. II hitch or IH Fast-Hitch) are expandable in 1-foot increments to 11½ and 18½ feet respectively. Also for tractors with quick coupler. Under frame clearance is 20½ inches. Clearance between front and center ranks is 29 inches; 25 inches between center and rear ranks.



45 WING TYPE — The basic 22½-foot size has an 11½-foot center carrier frame with two 5½-foot hinged frame wings. Either stub or welded "C" frame extensions can be added to increase sizes up to 28½ feet. The basic 31½-foot size has a 14½-foot center carrier frame with 8½-foot wings. Stub or "C" frame extensions are available to increase the size up to 37½-feet.

Depth is controlled by two remote hydraulic cylinders (cylinders not std.) which can be operated together on the go. Two cylinders also provide effective response when used with tractors having low hydraulic pressure.

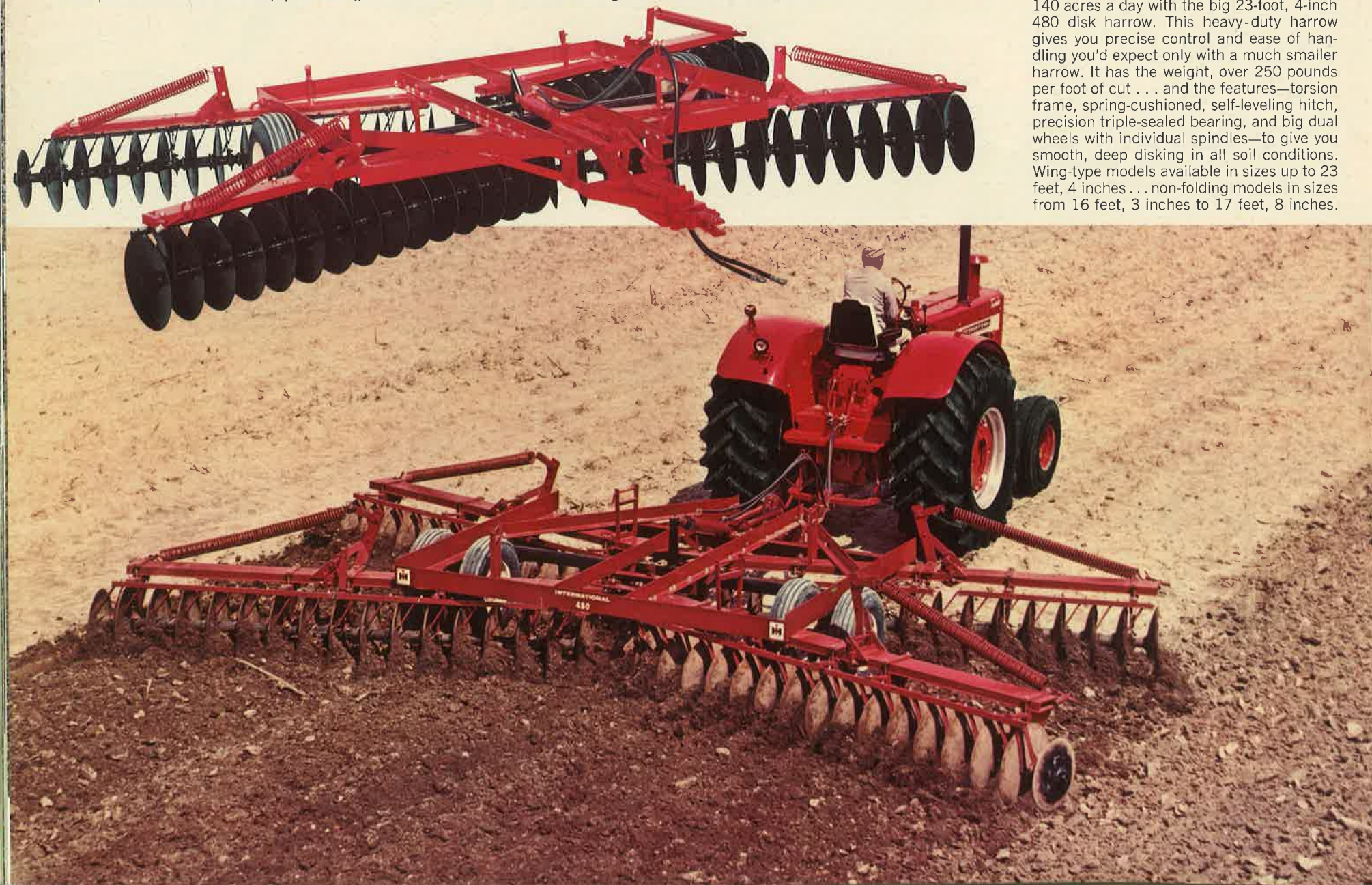
Well-balanced wheel positions help provide uniform cultivation and smooth trailing. The massive cradle frame gives full support at the wheels and wing hinges for efficient operation and long-life endurance.

Wings fold hydraulically—Wings are operated by two double-acting remote hydraulic cylinders and fold on sturdy malleable iron hinges with large pins and bushings. This means more bearing surface for years of trouble-free work life. Positive lock-up of wings assures safe transport. Machine is available without hydraulic wing lift if conditions don't require fold-up for transport.

470 WHEEL-CONTROLLED DISK HARROW. This popular-priced big capacity harrow has a 12-foot transport width and is the answer to big harrow usage where narrow gates and bridges create a transport problem. Sizes range from 12 to 19 feet in wing-type models . . . 13 feet, 3 inches to 16 feet, 4 inches in nonexpandable models. The top performing 470 has the same

basic design as the heavy-duty 480 harrow. It has exclusive, spring-cushioned, self-leveling hitch and torsion frame for smooth, uniform disking. And all through the disk gang assembly, you'll find more shock-absorbing strength—for far longer life, far lower maintenance costs. 84 or 120 inch wheel tread with single wheels. Dual wheels available.

480 WHEEL-CONTROLLED DISK HARROW. Make short work of big jobs . . . disk up to 140 acres a day with the big 23-foot, 4-inch 480 disk harrow. This heavy-duty harrow gives you precise control and ease of handling you'd expect only with a much smaller harrow. It has the weight, over 250 pounds per foot of cut . . . and the features—torsion frame, spring-cushioned, self-leveling hitch, precision triple-sealed bearing, and big dual wheels with individual spindles—to give you smooth, deep disking in all soil conditions. Wing-type models available in sizes up to 23 feet, 4 inches . . . non-folding models in sizes from 16 feet, 3 inches to 17 feet, 8 inches.





370 WHEEL-CONTROLLED DISK HARROW. The 370 has proved its superiority on farms throughout the country. Torsion frame with built-in give holds gangs to their work, yet flexes to follow ground contour. Well over 200 pounds of weight per foot of cut assures good penetration. Every adjustment is quick and easy, whether it's leveling the harrow, angling the gangs for desired disking action, or adjusting the gangs in or out to eliminate ridging. Available in 8½ to 14-foot sizes. Spring cushion hitch, special.



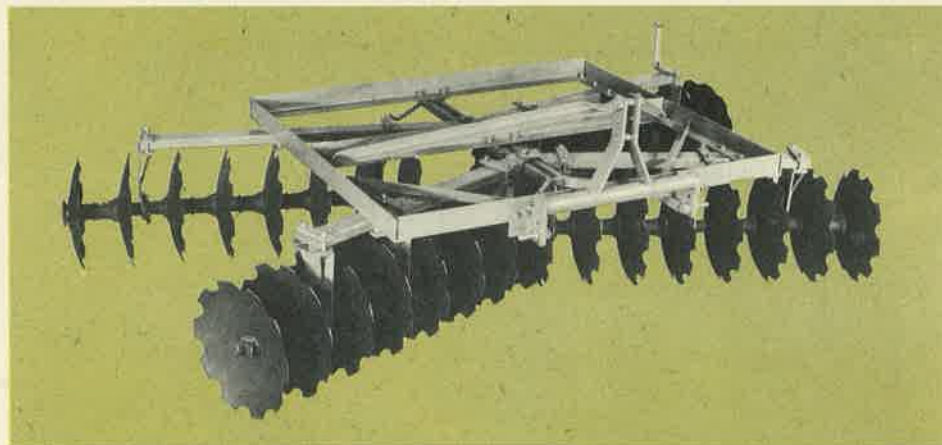
350 WHEEL-CONTROLLED DISK HARROW. One look at the popular-priced 350 harrow tells you it's the best buy in its price class. You get the spring-cushioned, self-leveling hitch which maintains pre-set leveling at all times and cushions shock loads on front gangs. Torsion frame flexing action for uniform work. Triple-sealed precision ball bearings are self-aligning in the field. Minute-quick gang adjustments. Your choice of eight sizes from 7 feet, 10 inches to 15 feet.



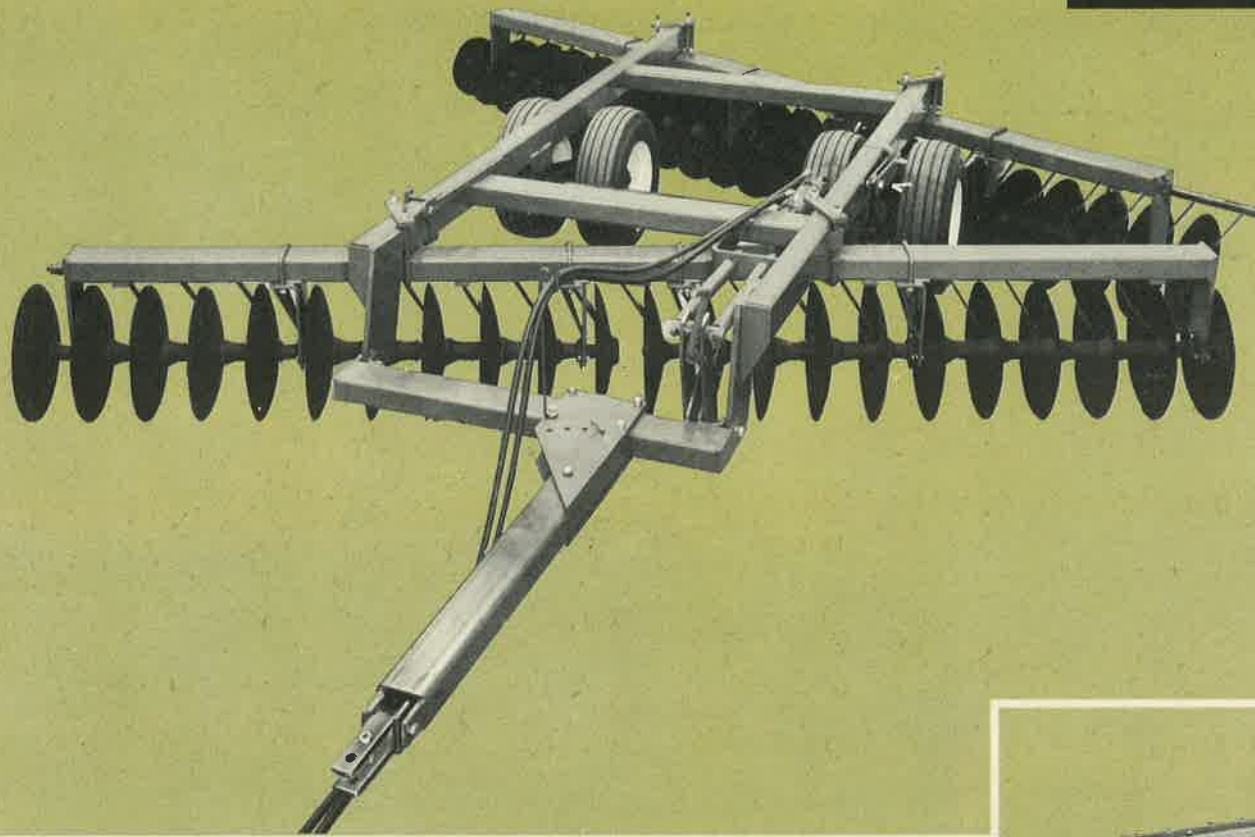
500 WHEEL CONTROLLED DISK HARROW. Work up to 9 inches deep with the extra-husky, 500 harrow. With a solid 2¼ tons of working weight this rugged harrow cuts and mixes heaviest trash deeply into the soil. You'll find that whether it's working in new land or as a primary tillage implement in cotton ground or rice fields the 500 gives unmatched performance. Spring-cushioned hitch, extra-heavy semi-flex frame, husky 1½-inch round arbor bolt and exclusive interlocking spools provide the type of construction that handles extra-tough jobs with ease. 12-foot, 5-inch to 15-foot, 9-inch sizes.



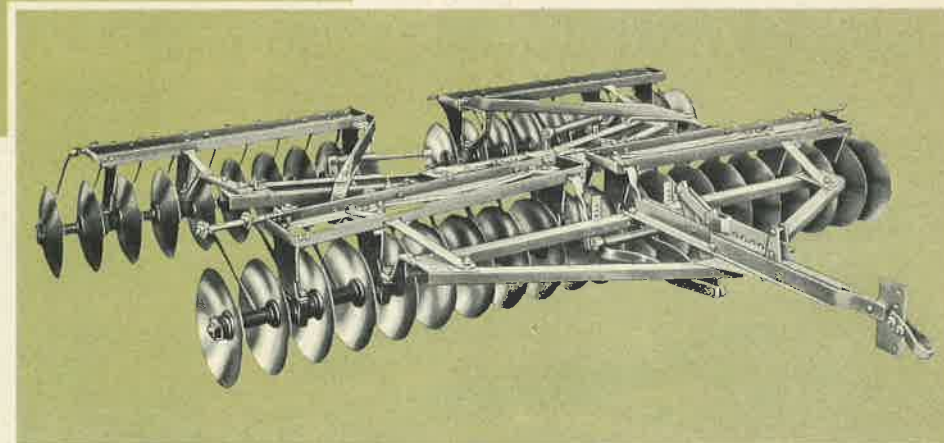
122 FOLDING FRAME MOUNTED DISK HARROW permits quick change of gangs to do the work of a rigid tandem, flexible tandem, heavy-duty bush and bog, or light-duty bush and bog. Turns easily in tight quarters . . . lifts for transport, waterways, or other obstructions. Heavy angle-steel frame, tubular 2 by 4-inch gang bars, 1½-inch arbor bolts, triple-sealed ball bearings, and big heavy-duty spools mean extra years of trouble-free service. Choice of Category I 3-point hitch or 1-point Fast-Hitch. Sizes from 5 feet, 6 inches to 7 feet, 11 inches.



132 TORSION FRAME MOUNTED DISK HARROW has the weight and "beef" to chop through heavy stubble or work toughest soils. Torsion frame of heavy steel angles holds gangs to their work, yet flexes to follow ground contour. Big 1½-inch arbor bolts, and triple-sealed ball bearings. Exclusive IH design permits both front and rear gangs to be angled individually or simultaneously from the rear of the harrow. Five sizes, from 9 foot, 1 inch to 12 foot cutting widths. Category II 3-point hitch.



610 OFFSET DISK HARROW, with over 300 pounds per foot of cut, works up to 7 inches deep . . . slices through tough stubble, stubborn stalks . . . leaves fields furrow free. High clearance, 12 inches between spool and gang frames plus 9-inch disk spacing, keeps you on the go even in heavy growth. You'll also appreciate the exclusive spring-cushioned, self-leveling hitch, high-strength 4 x 6-inch tubular steel main frame and gang bars, cartridge-type triple-sealed ball bearings, and the extra-strong disk gangs. Available in 12, 14, and 16-foot sizes . . . 22-in. plain or notched blades.



9A AND 10A TRAILING DISK HARROWS with flexible gangs are available in the size and weight to fit your tillage needs. The No. 9A penetrates deep, handles heavy soils. Available in 7-foot to 13-foot, 3-inch sizes. No. 10A does quality disking in all light and medium-heavy soils. Sizes from 6 feet to 9 feet, 2 inches. Both harrows are equipped with rugged pressure lubricated white-iron bearings.

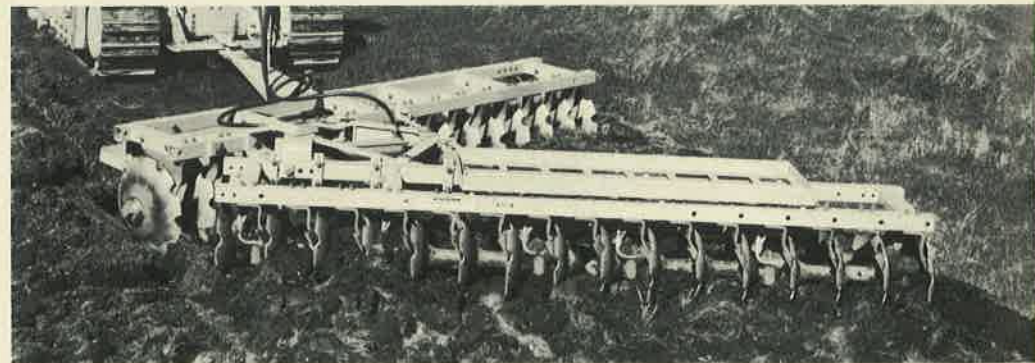
150 EXTRA-HEAVY-DUTY MOUNTED DISK HARROW makes tough disking jobs easy. Over 200 pounds per foot of cut lets you work down plowed sod, row-crop ridges, sun-baked soils. Torsion frame, plus big 8 x 2½-inch box beam gang bars, extra-husky bearing and spacing spools, and cartridge-type self-aligning bearings let you work at full disking speeds in rocky, stumpy fields. Sizes from 13 feet, 5 inches to 15 feet . . . Category II or III three-point hitch.





630 WHEEL-CONTROLLED OFFSET DISK HARROW bites into the toughest soil with up to 425 pounds of trash-cutting and mulching ability . . . provides depth controlled disking from shallow penetration to spool-deep primary tillage. Welded box-section carrier frame with corner reinforcements, tubular axle assembly, easy to adjust dial hitch, and rectangular 4½ x 9-inch box-section gang frames make this harrow the best in its class. Six sizes, 7 feet, 10 inches to 13 feet, 8 inches.

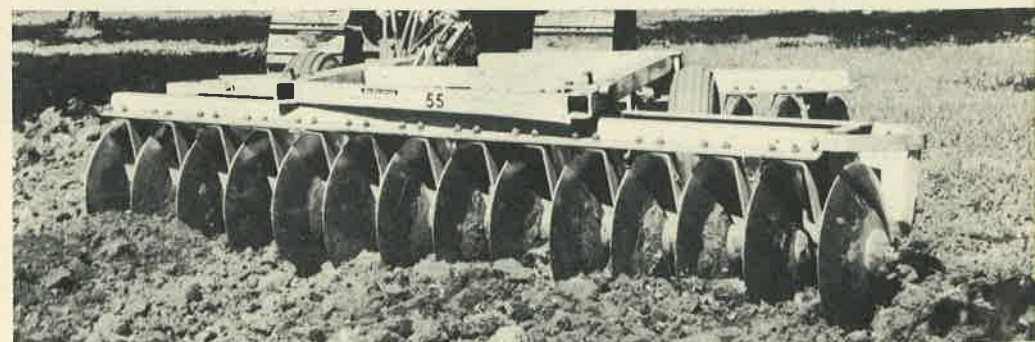
640 WHEEL-CONTROLLED OFFSET DISK HARROW is the "big brother" to the 630 harrow. Up to 465 pounds per foot of cut socks this harrow deep into hard, sun-baked soils. The 640 features extra-heavy all-welded, box section carrier frame and gang frames, plus heavy formed risers welded to the gang frames for exceptional strength . . . tripled sealed precision ball bearings . . . husky 1½-inch-round arbor bolt . . . and exclusive interlocking spools. Three sizes—13 feet, 8 inches; 15 feet, 4 inches; and 17 feet.



31-B DEEP-TILLAGE OFFSET DISK HARROW provides 600 pounds per foot of cut . . . penetrates deep in rock-hard soils . . . cuts heavy brush. Interlocking spools prevent blade-slip and arbor bolt wear. Single models available in sizes from 7 to 16-foot cut . . . squadron models from 16 to 24-foot cut.



NEW 830 OFFSET DISK HARROW is available in single models up to 20 feet, 5 inches . . . flex-frame models up to 23 feet, 8 inches and squadron models up to 34 feet, 8 inches. With over 400 lbs. per foot of cut and 13-inches-plus clearance between spools and gang frame, the 830 will penetrate hardest soils . . . handle heaviest trash. The 830 also features rugged 4½ x 9-inch box-section gang frames, reinforced bearing risers, exclusive interlocking spools, high-capacity precision bearings, and dial hitch.



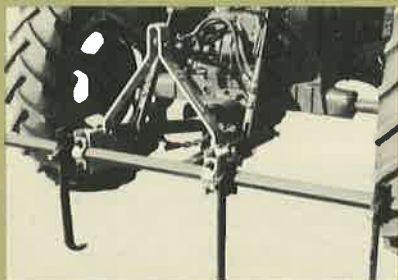
55 WHEEL-CONTROLLED OFFSET DISK HARROW is designed for orchard and vineyard operations as well as open field work. Features precise depth control, full range of adjustments and precision ball bearings to ease draft loads. 6 to 10½-foot sizes.



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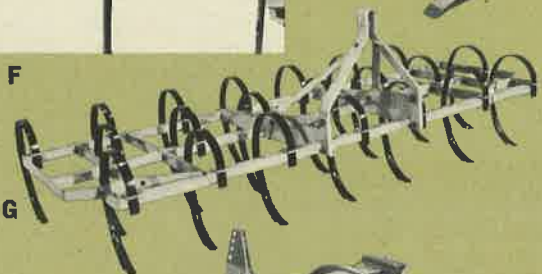
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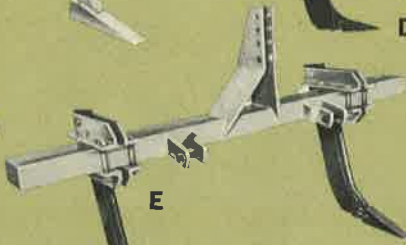
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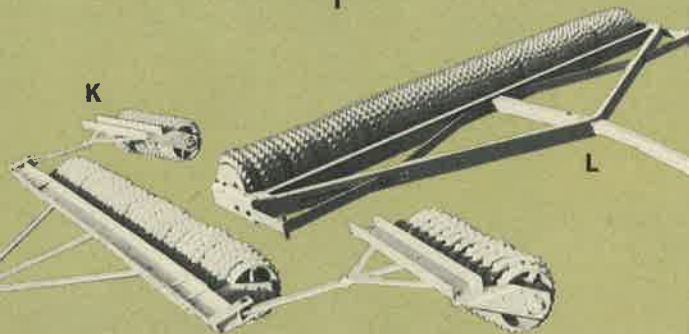


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A. 38 TRAILING, THREE-POINT TOOL CARRIER makes three-point equipment available to tractors without three-point hitches. Exclusive hydraulic mechanism lifts and lowers only the tool bar. Equipped with Category III three-point hitch... can be converted to Category II.

B. 40 TOOL BAR CARRIER is a heavy-duty, low-cost unit for tractors with Category II three-point hitch. Handles 2¼ or 2½-in. square bars on the diagonal or 3¼-in. square tool bars on the flat.

C. SUBSOILERS shatter hard-pan and plow sole... condition the soil to absorb water more readily. The No. 8 Subsoiler (right), for tractors with Category I hitch, opens up the soil to a depth of 16-inches... the 21 Subsoiler (left), for Fast-Hitch tractors, penetrates 20 inches deep. Rolling colter available.

D. 23 TOOL BAR matches the capabilities of 100-plus hp tractors with Category II or II three-point hitch. Rugged 4¼ x 7½-inch tool bar in ten sizes from 4½ to 32 feet. 23 tool bar shown with two 1½ x 6-inch subsoilers. Special design permits variety of tools to be clamped on any common row-centers without special clamps.

E. 22 TOOL BAR features a 4¼ x 7½-inch box-section tool bar to complement any tractor with Category II three-point hitch or Category II Quick-coupler. Two heavy-duty 1½ x 6-inch subsoiler shanks with long-wearing shins and reversible points are shown on the 22. Six sizes, 4½ to 18½ feet.

F. 30 TOOL BAR CARRIER mounts on tractors up to 35 hp with Category I three-point hitch. Choice of 2 or 2¼-in. square tool bars. Full line of ground-working tools let you tailor equipment to your exact needs.

G. 331 MOUNTED SPRING-TOOTH HARROW in basic 6 and 8-foot sizes can be built up to 10-foot sizes with extension units. The 331 is ideal for orchards and vineyards where width of harrow can be changed to suit crop growth conditions. Standard or high clearance teeth available. Category I three-point hitch.

H. 222 HEAVY-DUTY DISK RIDGER. Ridger units can be positioned to throw soil to right or left. Six-row model for Category II hitch. Eight-row model for Category II or III hitch. Rugged 4¼ x 7½-inch rectangular tool bar, two-blade adjustable ridgers and heavy-duty gauge wheels.

I. COMBINATION CARRIER lets you put both ends of your crawler to work. Use it to mount a tool bar for subsoiling, chiseling, and many other tillage operations. A simple change-over and you have a blade (inset) on the front of your crawler to do all your farm dozing. For International T-6, TD-6, TD-9, TD-9B tractors.

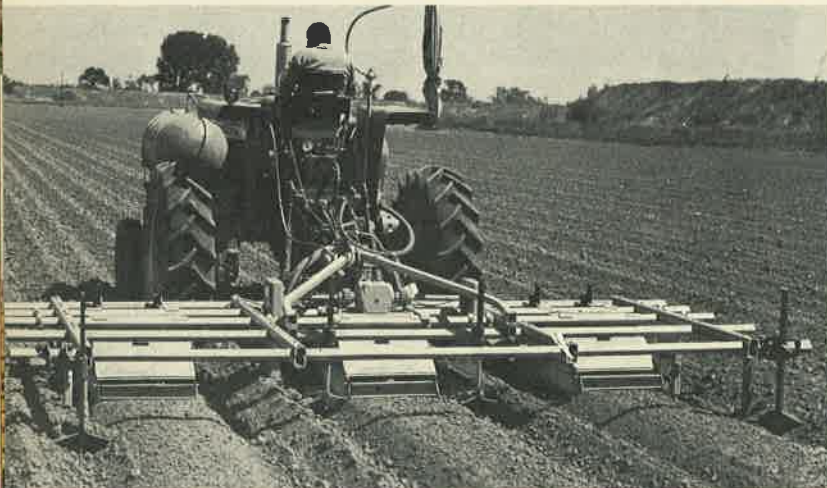
J. 10 SUBSOIL CHISEL features a Vee-shaped frame for extra strength, minimum horsepower requirements, better trash clearance and greater overall stability. Subsoil shanks are laterally adjustable along the toolbar and have reversible points for double life. 7, 10½, and 14-foot sizes... Category II and III and Category III quick-coupler.

K. 11 PULVERIZER, designed for use behind a tractor, plow or disk harrow, smooths and firms the soil for faster germination, increased yields. Single sections up to 12-foot sizes. Squadrons up to 30-foot widths.

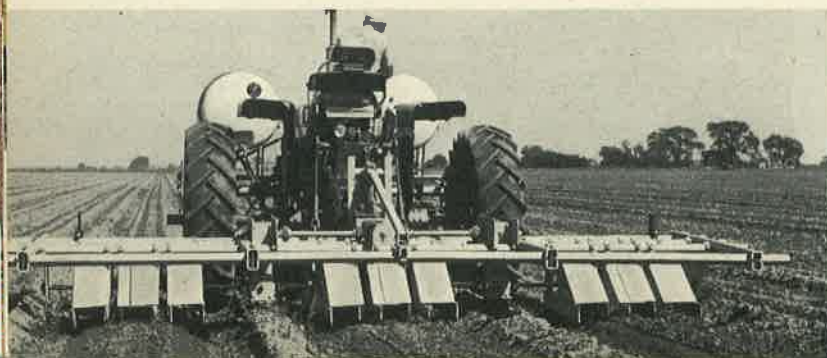
L. 12 PULVERIZER features individual pulverizer rings with slanted teeth for maximum soil pulverization. Flip the hitch and pull it backwards and you not only firm the subsurface soil but the slanted teeth kick up a fine mulch on the surface. Single sections up to 18 feet... squadrons up to 36 feet.



711 MOUNTED SLED INCORPORATOR handles 2, 3, 4, 6 or 8 beds. The "711" shown above is the 6 row model equipped with liquid system, bed rollers and planters. Sleds and their related equipment can be used with profit anywhere in row-crop production.



710 MOUNTED SLED INCORPORATOR is equipped with liquid system incorporating herbicide to control noxious weeds and prepare firm beds ready for planting 3, 4, or 5-bar models.



Four jobs...one operation

Shape beds, apply and incorporate herbicide, firm beds, plant—all in one operation.

The International Sled Incorporator and a combination of tooling equipment does four jobs in one cost-cutting pass through the field.

You'll save time and money in all opera-

tions by using International Sleds and Incorporators to prepare precision seed beds. In addition, use of these machines improves yields and profits by reducing compaction, eliminating weeds from the rows, conserving moisture and promoting faster, more uniform seed germination.



704 MOUNTED INCORPORATOR, designed for both bedded and flatland farming, will mulch and incorporate herbicide. Available in 2, 4, 6 or 8 row models with 3 or 4 tool bars . . . planters and ground-working tools can be added. The "703", similar in design, is primarily used in sugar beets and beans. Available in 4 or 6 row models for 22 to 24 inch row spacing.

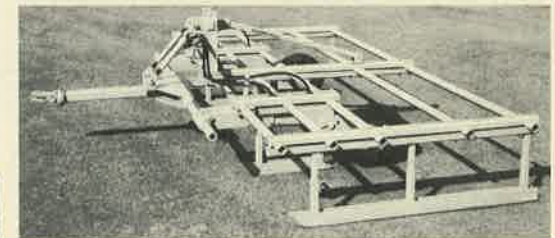


712 FURROW MULCHERS incorporate post emergence herbicide in-between the beds. For wide spaced crops such as tomatoes, the "712" is the ideal machine for breaking up clods, final forming of uniform beds and cultivating the furrows.

REAR-MOUNTED ROTARY CULTIVATORS feature exclusive I.H. rolling colter shields for precision power cultivating and mulching to within two inches of the plant. The 682 (shown) cultivates two rows on a bed. The 681 cultivates one row on a bed and can be used to cultivate 3, 4 or 6 rows in flatland operation.



700 Mounted Sled



701 Trailing Sled



705 Mounted Sled

700 (MOUNTED) AND 701 (TRAILING) SLEDS consist of 3, 4 or 5 tool bars with adjustable runners. **705 (mounted) Sled** features cast steel clamps that permit complete tool bar and tie bar adjustability. A wide variety of groundworking tools are available to meet any need.

Hi-speed uniform busting

80 SERIES 4, 6, AND 8-ROW

These beefy units are built for busting big acreages under the most demanding conditions. The big $4\frac{1}{4}$ x $7\frac{1}{2}$ -inch hollow-steel, welded-angle bar provides maximum strength without excessive weight. Eight-row size is 300 inches long; six-row is 222 inches; four-row is available with 148-inch or 178-inch bar. Built-in fore-and-aft adjustment and easy adjustment for pitch assure efficient busting job. Eight-row unit has two sets of dual gauge wheels. Six-row middlebuster has two single wheels as standard equipment, with dual wheels available as an option. The four-row machine is available with two single gauge wheels. The eight and six-row machines are designed for use with tractors equipped with Category II three-point hitch or 2-point fast-hitch. The four-row middlebuster may be used with tractors with Category II three-point hitch or Fast-Hitch.

IH REAR-MOUNTED MIDDLEBUSTERS are easily converted into Blackland Planters or cotton listers. Planting attachments available in the broad IH line make it easy and economical for you to convert your middlebuster to a precision planter or lister. And the 80 Series Middlebuster mounts Blackland Planter or lister units in four, six, or eight-row sizes. In each case, planter units are gauge-wheel driven through rugged, compact drives. Combination hoppers plant practically any seed. A complete line of special equipment offers maximum versatility in any planting operation.

52 5-ROW

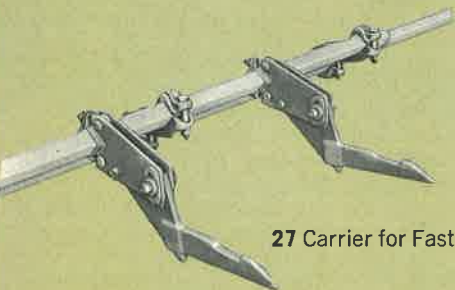
Busts five rows with four bottoms mounted on front frame, one on rear. Easily converted to three-row unit by removing two outside bottoms. Has the heavy-duty rugged construction needed to make use of big tractor power. Quick, simple drive-in attaching, backout detaching. Parallel linkage provides plenty of suck for quick penetration . . . lets bottoms run level for light draft. Row spacings of 36 to 40 inches.



25A TOOL BAR CARRIER. For Category I 3-point hitch. Handle 2¼-inch solid steel, square bars that are available in 8 different lengths from 56 to 192 inches; 2½-inch bars available in same lengths plus 180 and 208 inches. Double tool bar tie units in three spacings of 5½, 12 and 25 inches. Three optional gauge wheels.



25A Carrier for Category I, three-point hitch.



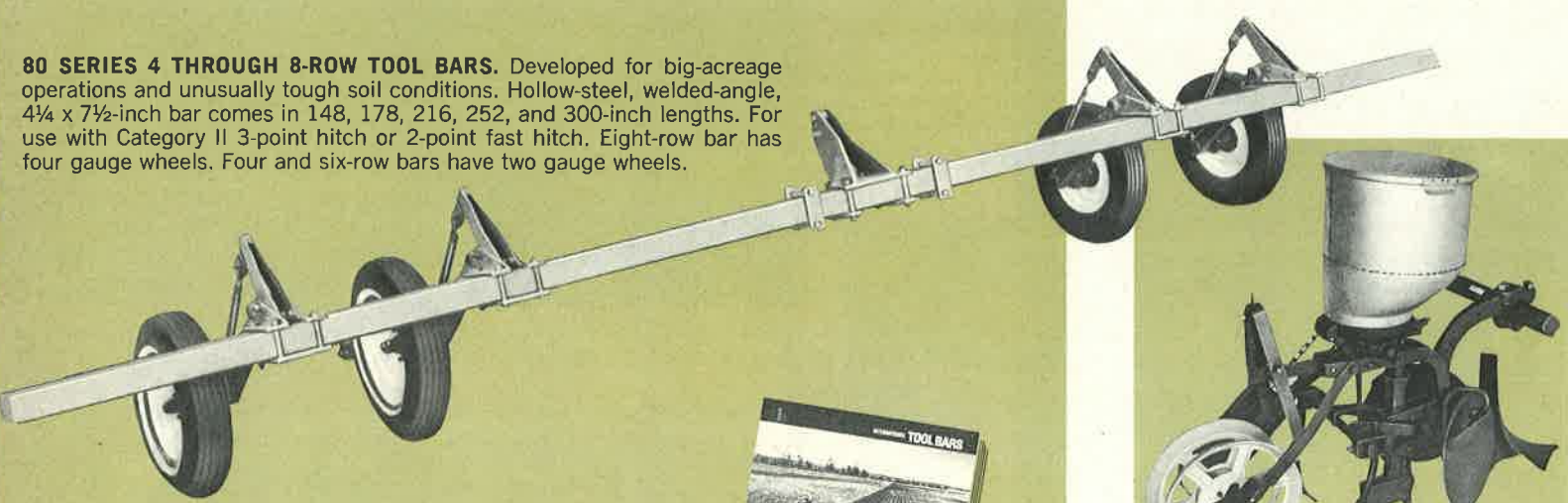
27 Carrier for Fast-Hitch



28 Carrier for Category II 3-point hitch

27 and 28 CARRIERS FOR DOUBLE TOOL BARS. Ideal for heavy-draft ground working tools and planter units. Solid steel square bars, either 2¼ or 2½-inch, 56 to 208 inches long. Three-point or FAST Hitch. Four optional gauge wheels.

80 SERIES 4 THROUGH 8-ROW TOOL BARS. Developed for big-acreage operations and unusually tough soil conditions. Hollow-steel, welded-angle, 4¼ x 7½-inch bar comes in 148, 178, 216, 252, and 300-inch lengths. For use with Category II 3-point hitch or 2-point fast hitch. Eight-row bar has four gauge wheels. Four and six-row bars have two gauge wheels.



See the complete line in the INTERNATIONAL TOOL BARS CATALOG

This new catalog shows complete machinery set-ups of most frequently used equipment and lists all of the components used in each set-up. Ask your International dealer to show you the Tool Bars Catalog.



Unlimited flexibility

To meet your requirements for rugged, low-cost tool bar machines, International Harvester has developed the broadest, most versatile line of equipment available. Whatever your needs, your International dealer can help you meet them with a job-tailored implement designed to match your requirements. A few common tool bar machine set ups are listed below.

Chisel Teeth and Sweeps—Choice of sweeps for deep field cultivation.

Chisel Teeth and Shovels—Short and long teeth for deep field cultivation.

Coil-Spring Teeth and Shovels—Deep field cultivation in trash and rocks.

Heavy-Duty Clamps and Shanks—Rigid or cushion spring for deep field cultivation.

Border Disk Attachment—For forming water-retention dams for irrigation.

Bedding Disk—Four gangs of three disks each for cultivating beside beds.

Subsoiler—Stub beam and subsoiler attachment for breaking plowsole or hardpan.

No. 9 Sweep Attachment—13½ or 17½-inch sweeps and wings for cleaning middles.

Rotary Moldboard Ditcher—For forming irrigation ditches between row crops.

Rotary Disk Moldboards—Better mulching in sticky soil than regular moldboards.



One-row lister units for 2¼ or 2½-inch tool bars—No. 108 (left) is Cotton Lister; No. 109 is Corn Lister. These rugged, dependable units mount in multiples on 2¼ or 2½-inch square rear-mounted tool bars. Each unit is independent with its own gauge-wheel drive. Combination hopper handles wide variety of seeds. Bottom equipment for cotton, corn, or peanuts.

Ways to cut tillage costs

No one form of Combined Tillage is right for every man. Things such as soil type, rainfall, crops raised, and equipment already owned will influence your decision. This is why IH engineers have developed several different types of Combined Tillage.

No matter which method you select, you can realize such important benefits as lower costs, time savings, less soil compaction due to fewer trips across the field, better water retention, retarded weed growth, and less erosion.

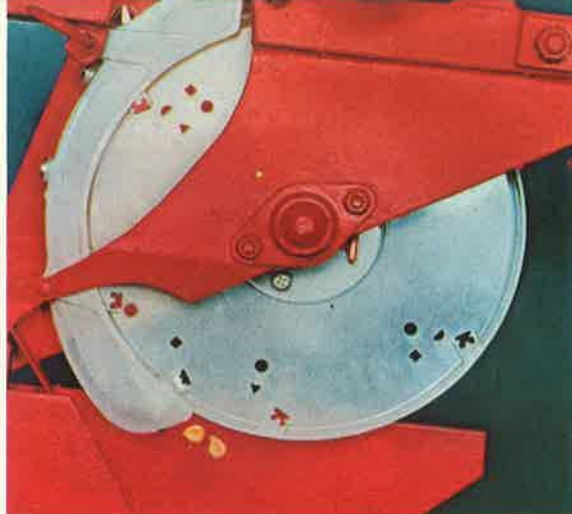
SPRING TOOTH HARROW ATTACHMENT lets you till and plant, after fall or spring plowing, with your 56, 66, 58 four-row or 58 Series six-row planter. Has 25% more weight than competitive rigs for thorough tillage, smooth seed beds. Big clearance means no disturbance of planted headlands and no snag transport.



NO. 5 COMBINED TILLAGE HITCH lets you use 4 or 6-row trailing planters behind 45 Rear-Mounted Vibra Shank Cultivator (shown at left), 45 Trailing Vibra Shank Cultivator, 37 and 370 Disk Harrows (shown above), 46 and 350 Disk Harrows, 340 Spring-Tooth Harrow, rear-mounted row-crop cultivators, or tool bar implements. The No. 5's large caster wheel gives maximum maneuverability and excellent flotation. This combination is a favorite with many farmers.



IH Rotary Valve Planters . . .
 the accurate, reliable way
 to *plant*
the stand
you want

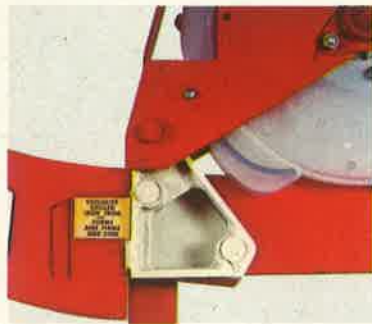


Whether you plant 1, 2 or 3 seeds per hill, the IH Rotary valve gives you the results you want. Straight, even rows with no skips or misses—uniform stands. And it is built to give you proven reliability year after year.

You get proven results because the Rotary Valve powers the seed from hopper to furrow in tightly grouped hills. There's no scatter or bounce. You get uniform depth and evenly spaced hills for the high yield stand you want.

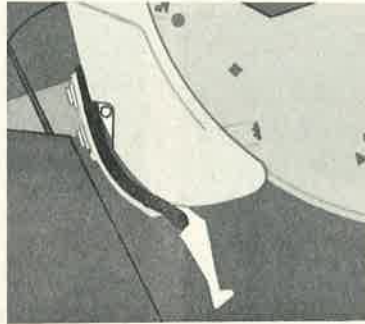
You get proven reliability because the Rotary Valve is simply designed. It has few moving parts . . . no complex workings that can be easily affected by dust and abrasion. You get trouble-free operation, years of dependable service.

And when it comes time to plant beans, it takes no time at all to get your Rotary Valve planter ready. The Snap-In drill guide converts the planter from hill-drop to drill for beans in just minutes.

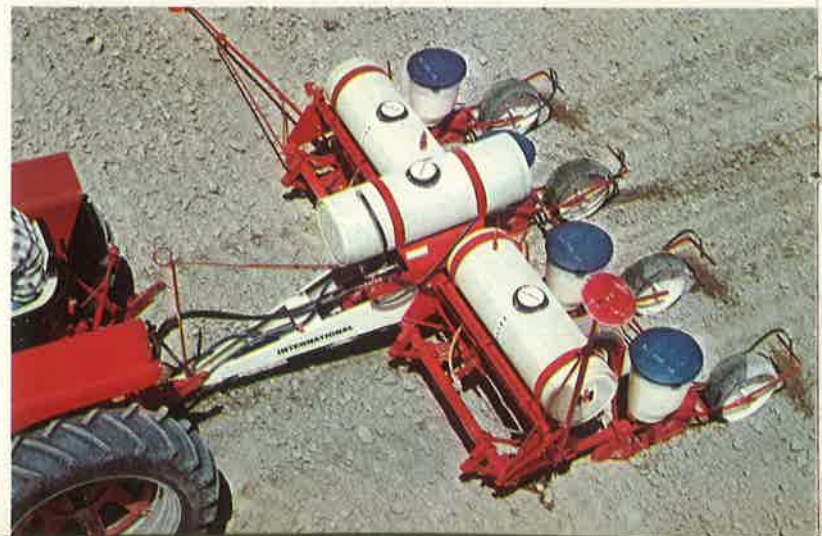


Right behind the opener is a solid gray-iron "frog" which forms and firms the seed zone to give you fast germination . . . get your crops off to a head start.

The new snap-in Drill Guide converts your planter from hill-drop to straight drill—insert the Drill Guide into the valve case and lock out the rotor. With all 56 and 58 Planters.



Rotary Valve Planter Exclusives . . . Modern low-profile design makes for easy filling of seed and fertilizer hoppers. **Balanced design** keeps weight, even when fully loaded, distributed over the entire planter for easier pulling. **Rock solid main frame** that keeps planter in alignment for years of service. **"A" Frame Hitch** with three position leveling. **Single Linkage Drawbars** that hold planting depth, stay in line. **Centralized Drives that can't slip** . . . make sprocket changes easy. **Fiberglass Seed Hoppers** that tell seed level at a glance. **Big capacity fertilizer hoppers** in metal or fiberglass. **Automatic Latchless Markers.**





58 SERIES 8-ROW PLANTER. This big planter's wheel tube is made of high-strength steel with an extra-thick wall to take the punishment of carrying big loads at high speeds. And the entire frame is trussed for even greater strength and rigidity. Get full ton fertilizer capacity with the metal units or 2,200 pounds with the plastic fertilizer units. High or low-rate augers let you select fertilization rates ranging from 65 to 720 pounds per acre. Also available with four 50-gallon liquid fertilizer tanks. Transport attachment lets you transport planter endwise to clear gates and road traffic easily. Plants 30-inch rows. Squeeze Pump Attachment available for "Pop-Up" or liquid fertilizer.

58 SERIES 6-ROW NARROW and 4-ROW WIDE PLANTERS. Six-row, 28- 30-inch, is reducible to a four-row, 36 to 40, unit and four-row wide can be converted to a six-row narrow-row planter. Metal dry fertilizer unit has 1,430-pound capacity—fiberglass fertilizer unit has 1700-pound capacity. Liquid herbicide and liquid fertilizer units available. Use squeeze pump attachment for "Pop-Up" or liquid fertilizer application. Four wheel drive attachment available for use when six-row planter is used with fertilizer unit plus liquid pre-emerge or International Gandy equipment.



56 SERIES 2, 4 and 6-ROW PLANTERS. Dry fertilizer units hold 500 pounds on 56 Two-Row, a full half ton on Four-Row and a whopping 1,500 pounds on 56 Six-Row—new plastic units on four and six-row machines have up to 150 pounds more capacity. Adjustable wheel frames let you plant 28 to 40-inch rows with two and four-row planters. Six-row unit handles 36 to 38-inch rows. Liquid Herbicide unit available for four-row planter. Liquid Fertilizer units available for all 56 Planters. New Squeeze Pump Attachment available for four or six-row machines for "Pop-Up" or Liquid Fertilizer applications.



NEW INTERNATIONAL SEEDMINDER. No more digging in the rows, watching the hoppers or worrying about how your planter is doing. Now just mount IH Seedminder on your tractor hood—blinking lights, one for each row, keep you in the know. Complete with everything you need: main cable, feeder cable and sensor units for four, six or eight row 56, 58 and 86 Series Planters. Also for 296 or 186 tool bar mounted units.

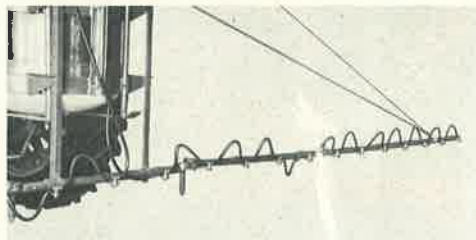
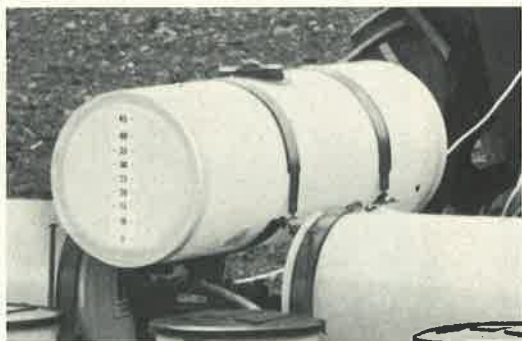


INTERNATIONAL DUPLEX HITCH ATTACHMENT for 56 and 66 Series 4-Row, 58 Series 6-Row Trailing Planters and the 601 Fertilizer Carrier. The new A-frame duplex hitch lets you plant more acres, make better use of your big tractor's power and cut down on man-power, too. The big, beefy A-frame hitch has all the strength needed to keep two four or six-row planters in perfect alignment. Switching from field to transport is an easy one-man job because tractor hydraulics do all the lifting. Unlike other duplexing systems, the International Duplex Hitch Attachment does not have to be installed on your tractor . . . does not tie it up.

Liquid, pop-up, pre-emerge

Fertilizer and chemical equipment you can tailor to your planting program. There are many ways you can go. For example the 58 Series 4-row planter is equipped with parallel mounted tanks for side-placement of liquid fertilizer, a center mounted tank and squeeze pump for in the row placement of "pop-up" fertilizer and the liquid pre-emerge equipment is mounted on the tractor hitch. The equipment shown on this page can be used in a variety of combinations to help you achieve the fertilizer chemical set-up for your planting program.

Liquid Pre-Emerge Chemical Equipment. Includes automatic shut-off valve, agitator nozzle, hose lines, brass pipe fittings, pressure regulator and gauge and nozzles. 50 Gal. tank for 58, 56 and 66 series 4-row planters and for 58 series 6-row planters.



Hitch Mounted Liquid Pre-Emerge Equipment. 150 Gal. tank with pressure regulator, hand shut-off valves and built-in agitator. Available with either 6 or 7-roller or centrifugal PTO driven pumps. Connections to handle four, six, eight and 12-row planters. 2 pt. Fast or 3 point hitch. Support Stand.

Spray Boom Completing Package for post-emergent spraying of insecticides or herbicides. Available for 6, 8 or 12 rows.

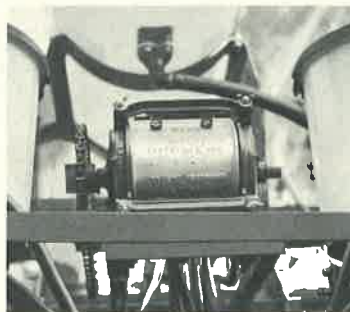


Liquid Fertilizer Tanks for gravity flow liquid fertilizer systems. Available with either runner openers or precision bearing 12½-inch double disk openers. They include metering disks for 12 different rates of flow, automatic flow control valves and manual shut-off valves. 50 Gal. size for 56 and 66 series two, four and six-row planters and 58 series 8-row. 65 or 100 Gal. size for 58 series 4 and 6-row.



LIQUID FERTILIZER, "POP-UP" AND PRE-EMERGE COMBINATIONS AVAILABLE ON IH TRAILING PLANTERS

	56 & 66 2-Row	56, 66, & 58 4-Row	56 & 66 6-Row	58 6-Row	58 8-Row	Duplex 12 Row & 8-Row
Tractor Mounted Pre-Emerge, Dry Fertilizer	X	X	X	X	X	X
Tractor Mounted Pre-Emerge, Liquid Fert. (Gravity Flow)	X	X	X	X	X	X
Tractor Mounted Pre-Emerge, Liquid Fertilizer (Gravity Flow) and "Pop-Up" with Squeeze Pump		X		X		X
Tractor Mounted Pre-Emerge, Liquid Fertilizer, with squeeze pump for side placement or "Pop-Up"		X	X	X	X	X
Planter Pre-Emerge, Liquid Fertilizer (Gravity Flow)		X		X		X
Planter Pre-Emerge, Dry Fertilizer		X		X		X
Planter Pre-Emerge, Liquid Fertilizer with Squeeze Pump for side placement or "Pop-Up"		X		X		X
Dry Fertilizer and center mounted Tank and Squeeze Pump for "Pop-Up"		X		X		X
Liquid Fertilizer and center mounted Tank and Squeeze Pump for "Pop-Up"		X		X		X
Dry Fertilizer	X	X	X	X	X	X
Liquid Fertilizer (Gravity Flow)	X	X	X	X	X	X
Liquid Fertilizer with Squeeze Pump for side placement or "Pop-Up"		X	X	X	X	X



Squeeze Pump Attachment for "Pop-Up" in the row placement of liquid fertilizer from either parallel mounted tanks or from a center mounted tank and for squeeze metering of side placement fertilizer from parallel tanks. Ground driven, it maintains constant low pressure flow, gives 90 different output rates. For 58 series four, six and eight-row planters and 56 or 66 series four and six-row planters.





Rotary Valve accuracy in cotton

Because the IH Rotary Valve completely controls the seeds all the way from hopper to hill, every hill is accurately spaced—you plant the stand you want, eliminate expensive thinning costs! Two other aspects to precision planting are depth control and seed count. You get them both with IH planters. Precise depth control settings let you plant at the exact depth you want. And because IH planters give you so many accurate sprocket settings, you get the exact seed count you need for uniform stands. For stands that help you to better yields, go IH Rotary Valve cotton planters!



90 SERIES 4 AND 6-ROW, HILL-DROP OR DRILL. Here's the machine that's especially designed to give you perfect stands when planting in moist soil. Because the runner knife on this planter does not open the soil to a depth that is below the "frog," you get a "U" shaped furrow in moist soil, rather than a "V" shaped furrow, which might leave an air pocket around the seed. In addition, the long, narrow runner (optional) encloses the seed-firming wheel. This prevents any dirt from falling onto the seed before it is firmed into the seedbed. (90 Series Planters are also available with short runners and rubber tired seed-firming wheels.) These features, plus centralized drives for seed and fertilizer and the IH rotary valve give you an entirely new dimension in planting accuracy.



66 SERIES 4 AND 6-ROW, TRAILING. Combine speed with exceptional accuracy, strength, and capacity to get crops planted in record-time without sacrificing plant population or yield. IH rotary valve provides matchless precision, converts easily for drilling. Heavy-duty wheel frame easily carries full fertilizer loads. Row spacings of 28 to 40 inches are optional on four-row planters . . . 34 to 40 inches standard. Six-row planter plants 36 or 38-inch rows. 66 Series Four-Row Planter is shown above equipped with dry fertilizer unit and International Gandy granular chemical applicators. Liquid fertilizer units are also available for all 66 Series Planters. A liquid herbicide unit can be mounted on the 66 Series Four-Row. Squeeze Pump Attachment is available for "Pop-Up" and liquid fertilizer applications on 66 four- and six-row planters.



NEW 86 SERIES 4 AND 6-ROW, REAR-MOUNTED. Add long drawbars and a big tubular under-the-tractor frame to the new 296 planter units and you have a precision planter that performs smoothly and flawlessly in new or old ground. Here's why. The new 86 series plants better because the narrower runner gives better penetration and precise seed placement. The new fully enclosed, two-step chain drive gives you a wider range of speed changes and the enclosed rotary valve is mounted on a new integral shaft and double-race bearings for longer life, smoother performance. Takes International cotton, corn or rotary cone bottoms, too, to give you precision planting in many crops. New 75-pound hoppers, 36, 38 or 40-inch rows.

NEW 326 Planter Carrier for flat land, bed and skip-row planting

International's new 326 Planter Carrier is a fresh new concept that, when combined with 296, 295 or 185 planter units, brings big production capability to cotton, corn, beet and bean planters. The 326 makes better use of big tractor power and adapts to many different row spacings in flat, bed or skip-row planting.

Backbone of the 326 is the big 5 x 7-inch rectangular tubular steel main frame that is available in four different lengths. With two 14-inch four position, adjustable gauge wheels. New hydraulically actuated folding markers. End-wise transport available as standard on the 307-inch bar, as an attachment for the other three. Quick Attachable hitch for 2 pt. Fast-Hitch, 3 pt. Cat. II and 3 pt. Cat. III.

7 different ways to use 326 Planter Carriers

- 238-inch frame for six 36-38-40-inch rows
- 238-inch frame for eight 28 or 30-inch rows
- 260-inch frame for twelve 20-inch rows (with 295 or 185 units only)
- 260-inch frame for 12 rows for use on 12 double rows spaced on six 36-38 or 40-inch beds. (with 295 and 185 units only)
- 288-inch frame for eight 36-inch rows
- 288-inch frame for twelve 22-24-inch rows (295 or 185 units only)
- 307-inch frame for eight 38-40-inch rows

Eight 296 Planter Units mounted on a 326 Planter Carrier plant cotton in 40-inch rows in the Delta.



NEW 296 The Heavy-Duty Planter Unit for Precision Planting of Cotton or Corn

The 296 is totally new for better, faster, more profitable planting. The new, heavier parallel linkage provides better contour following characteristics in new or old ground. The runner opener is a quarter inch narrower for better penetration and seed placement. Also available with big 13½-inch double disk openers with narrower angle for good penetration and less soil throw at high speeds. New two-step roller chain drive gives all the speed changes you want—without adding or removing chain links. Drive is fully enclosed to keep dirt out, insure

longer life. And timing is quick and easy to change. Narrow 75 pound fiberglass hoppers means you can line 296 units as close as 20-inch rows. Big 7 x 18 pan type press wheel with crown smooth tire is mounted in a frame that easily carries herbicide and insecticide units. Takes International cotton or corn bottoms as well as Rotary Cone equipment for peanuts and other large seed. Complete line of attachments available. Mounts on 2½, 3¼-inch tool bars and 326 Planter Carrier.

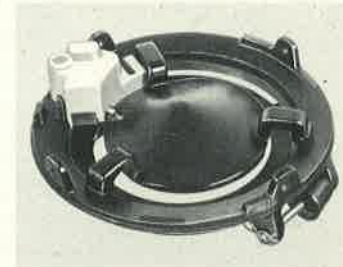
Get the 296—Hilldrop or Drill.

NEW INTERNATIONAL SEEDMINDER

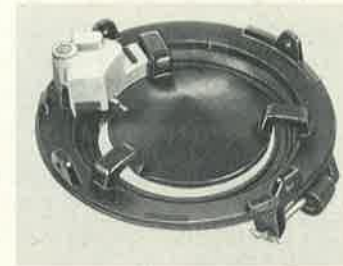
No more digging in the rows, watching the hoppers or worrying about how your planter is functioning. Now just mount IH Seedminder on your tractor hood — blinking lights, one for each row, keep you in the know. No more guesswork, you know of a malfunction or plugged seed tube the second it happens. Seedminder extends the length of your planting day — plant around the clock with no worries. For 4, 6 or 8-row 296, 186 or 185 tool bar mounted units as well as 86, 56 and 58 series trailing planters.



The new 295 (and 296) planter unit accepts International bottoms interchangeably



International Corn Bottom



International Beet Bottom



International Cotton Bottom



International Rotary Cone for beans, peanuts and larger seed.

NEW 295

The all-seed specialist that's at home with any seed and at any row spacing from 14-inches up

Build a new planter unit with a bigger, stronger frame, give it a new, easier way to change speeds and make it to accept planting equipment for corn, beans, beets, cotton and the rotary corn equipment for peanuts or limas and you have the 295, the All-Seed Specialist.

Add new features like the big 13½-inch double disk openers that are built narrow for better penetration and have self centering v-bottomed shoes that eliminate bulk, keep seeds straight in the row . . . add new straddle mounted press wheel frames to carry International Gandy equipment . . . and add either the 30-pound or optional 75-pound fiberglass seed hoppers and you have a precision planter built for years of profitable farming.

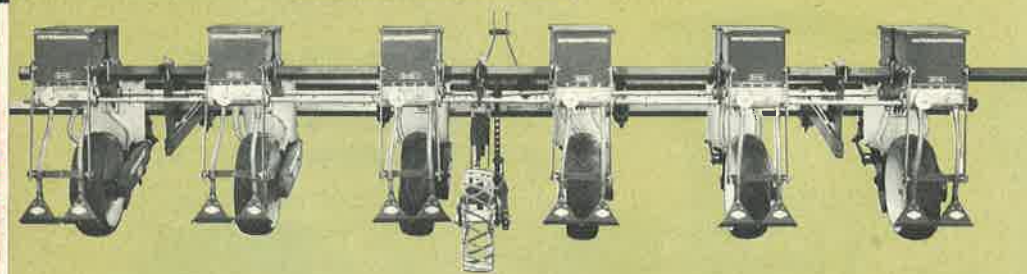
Use the new 295 Planter Unit on 1¾, 2, 2¼, or 2½-inch tool bars or on the new 326 Planter Carrier, and put in rows as close as 14 inches.



295 Planter Units mounted on a 600 Fertilizer-Planter Carrier with row spacing of 28-30-inches.



Twelve 295 Planter Units mounted on a 326 Planter Carrier plant beets in 20-inch rows in Minnesota.



NEW INTERNATIONAL-GANDY GRANULAR CHEMICAL APPLICATORS. For your four or six-row tool bar mounted 185 planter units. Low profile design, heavy-duty construction, independent, centralized drive. Tool bar mounted rail places chemical units directly over press wheels of 185 planter unit. Get granular insecticide only, herbicide only or both in tandem for either four or six-row applications.



Plant tiny seeds accurately

185 PLANTER UNITS. Precision built, from press wheel to hopper, for extremely accurate planting of sugar beets and vegetables. You save on or eliminate thinning costs. Germination is faster and more uniform. Stands are better. Seed waste is eliminated. The 185 also converts to such crops as corn, soybeans and cotton. These units are the heart of the IH fertilizer-planter carriers. Or, you can mount two, four or six 185 units on a tool bar to custom build your own planter.



600 FERTILIZER-PLANTER CARRIER-SIX-ROW TRAILING. Get two planters in one. Use this unit as a six-row planter to plant beets in rows spaced 28 or 30 inches apart. In addition, you'll like the huge fertilizer hoppers that hold 715 pounds each . . . a whopping 1,430-pound total that keeps you on-the-go during good planting weather. Four carrier wheels, two on each side, are used to give maximum flotation for six-row operation. Liquid herbicide unit available.

400 FERTILIZER-PLANTER CARRIER-FOUR-ROW TRAILING. (Not Shown). Combines rugged, rigid frame for big fertilizer capacity with the precision planting ability of 185 Planter Units. Full half-ton fertilizer capacity cuts refill time. Hoppers mount directly over wheels for maximum stability and balance. Packer wheels in front of units permit planting in ground with minimum tillage. You get uniform fertilizer distribution at all times because the two hoppers are centrally driven from both transport wheels. Handles 28 to 40-inch rows. Liquid herbicide unit available.

601 FERTILIZER-PLANTER CARRIER-SIX-ROW TRAILING. Highly accurate 185 Units may be front or rear-mounted. 22-inch row spacing when front-mounted . . . 22 or 24-inch row spacings when rear-mounted. Fertilizer unit holds full half-ton. Spring-loaded fertilizer drive wheel has precision bearings. Apply 40 to 180 pounds per acre with low-rate augers or 100 to 460 pounds per acre with high-rate augers. Fully automatic disk markers are equipped with precision bearings. This unit also makes an ideal planter for corn or soybeans in narrow rows. Two 601's may be duplexed, as shown, to plant 12-rows.



Built to stay on top of beds

87 SERIES BLACKLAND PLANTERS FOUR-ROW AND SIX-ROW MODELS REAR-MOUNTED THREE-POINT OR FAST-HITCH

These rear-mounted planters are especially designed to solve the problems of planting on beds in the Blackland area. Because all weight, including that of the seed hoppers, rests on the carrier wheels and not on the planter units, they will stay on top of beds, even when im-

perfectly formed . . . go over rough terraces without slipping. Centralized seed and fertilizer drives come off the carrier wheels, not the press wheels. You get uniform planting rates from all hoppers. And the precision roller-chain drive is smoother . . . lasts longer. Free-floating planter units maintain constant planting depth, even in rough fields. Half-ton capacity dry fertilizer unit available for four-row planter. Both planters adjustable for 38 or 40-inch rows.



187 BLACKLAND PLANTER UNITS. Convert front or rear-mounted cultivators into two, four, six . . . even eight-row Blackland Planters. Large diameter gauge wheel gives good traction, even in loose ground . . . helps keep units on top of irregular-shaped beds. Two springs for covering frame give uniform pressure. Pin-and-hole depth adjustment gives quick, accurate, positive depth settings. Drive chain is routed high to keep it out of trash. Combination hoppers with interchangeable bottoms let you plant cotton, corn, peas, sorghum, peanuts, and other crops.



186 HILL-DROP PLANTER UNITS. Equipped with IH Rotary Valve, furrow opener, combination hopper and drive-and-press wheel. Long pull-bar gives maximum flexibility for uniform planting in uneven ground. This same basic hill-drop unit is incorporated in 66 Series Planters. Mounts on tool bars, front and rear-mounted cultivators.



186 DRILL PLANTER UNITS. This specially designed planter unit features a short runner opener with a narrower 1-inch inside dimension. You get better, easier penetration and rows are straighter, more accurate because seeds have less chance to scatter or bounce in the furrow. Mounts on tool bars and front and rear-mounted cultivators.



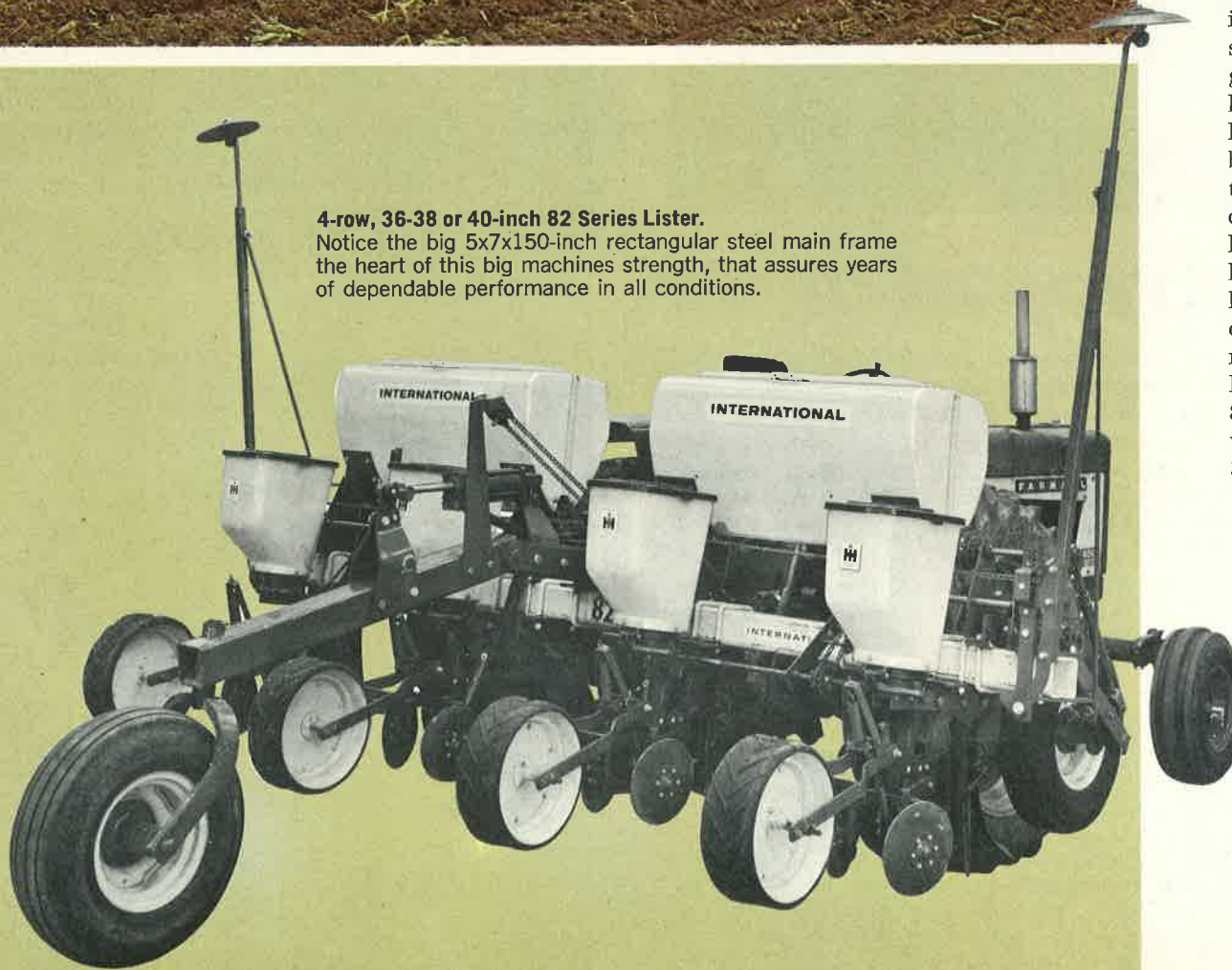
82 Series Lister 8-row with 30-inch spacing runs in trashy ground with never a slow up. With hydraulic lift assist wheels, one of which is used with front mounted wheel for convenient end-wise transport.

NEW 82 series listers

**Big strength for more go
In mulched ground or old rows**

Big, new high strength steel rectangular main frames, ranging from 5 x 7-inch for the 4-row wide to the 6 x 8-inch bar for the 6 and 8-row wide, 40-inch spacing, lister, make the 82 series the high speed, endurance performers. In old rows, or trashy ground, you'll like the way they get in and go... and keep going. With fixed angle rotary mold boards, heavy-duty 11-inch disk coverers with precision bearings, front mounted gauge wheel drives with turnbuckle adjustment, 75 pound capacity translucent fiberglass hoppers. New assist wheels with hydraulic upper link are available for better, easier lift. Big capacity translucent fiberglass fertilizer hoppers—1100-pound on the 4-row, 1650-pound on the 6-row wide and 2200-pound on the 8-row narrow—are available with your choice of low, high or extra high rate fertilizer augers. Get your 82 with hydraulic or chain markers. For tractors with quick attachable 2 pt. Fast Hitch, Quick Tatch 3 pt. Cat. II and Quick Tatch 3 pt. Cat. III.

4-row, 36-38 or 40-inch 82 Series Lister.
Notice the big 5x7x150-inch rectangular steel main frame the heart of this big machines strength, that assures years of dependable performance in all conditions.



Six 82 Series Lister Models

- 4-row, 36 to 40-inch rows, with 5x7x150-inch tubular main frame.
- 4-row Till Planter, 36 to 40-inch rows, with 5x7x150-inch tubular main frame.
- 6-row, 36 to 40-inch rows, with 6x8x238-inch tubular main frame.
- 6-row Till Planter, 36 to 40-inch rows, with 6x8x238-inch tubular main frame.
- 8-row, 30-inch rows, with 6x8x238-inch tubular main frame.
- 8-row, 38 and 40-inch rows, with 6x8x300-inch tubular main frame—also 36-inch rows with 6x8x278-inch bar.

Fast profit saving weed control

Work fields fast, thoroughly, and at lowest cost with an International rotary hoe. You'll find they do an exceptional cultivating job at speeds up to 10 mph. Revolutionary wheels with overlapping offset teeth work the soil every 2½ inches . . . turn up more weeds to the sun . . . loosen crusted seedbeds deeper to give your crops a fast weed-free start. Exclusive IH hoe teeth have chisel-sharp points . . . enter the ground in a vertical position for fast, positive penetration.

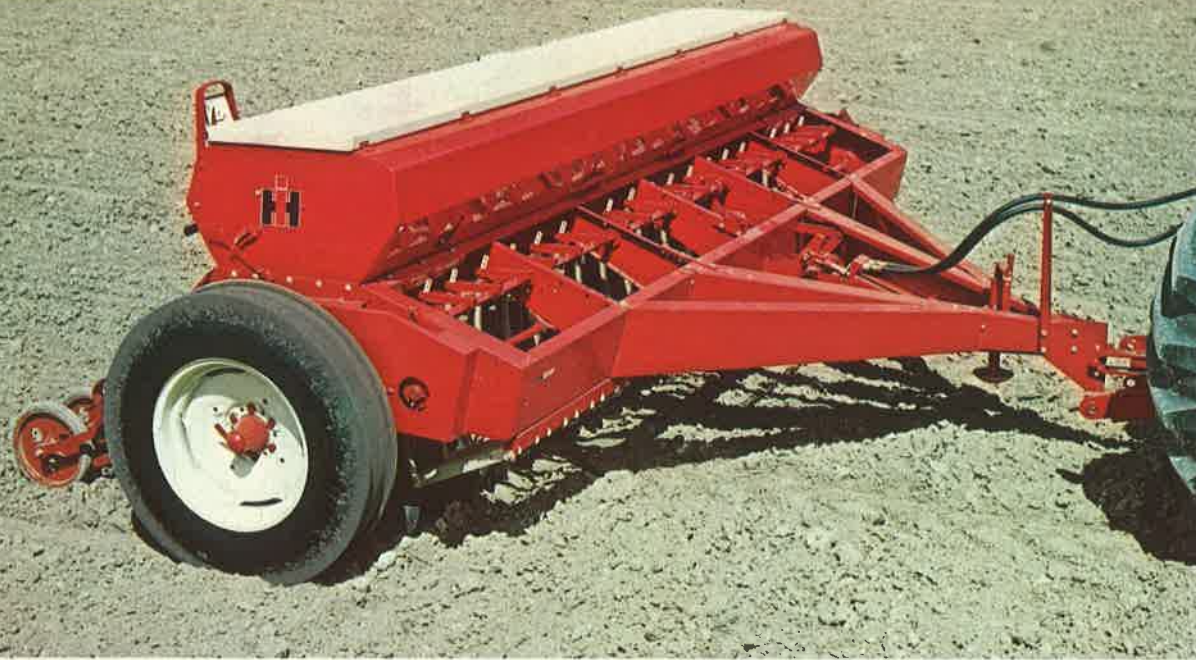
All International rotary hoes are designed with big trash clearance . . . and have the same rugged, wobble-free wheels and long-wearing white-iron hubs.

3 AND 4 SEMI-FLEXIBLE ROTARY HOES are available in both 42 or 48-inch wide sections. No. 4 rotary hoe wheels are 21 inches in diameter with 16 teeth per wheel. The No. 3 wheels are 18-inches in diameter with 12 teeth per wheel. Select a 2, 3, or 4-section mounted drawbar or a 2, 3, 4 or 6-section trailing drawbar to match your tractor.

224 FULLY FLEXIBLE ROTARY HOE is designed for fast, thorough cultivation in bedded or listed crops. Although developed primarily for use in areas where crops are grown on beds, farmers in rolling and flat land country have found that the extra built-in flexibility provides the ground hugging performance that is so important when working uneven fields. The 224 flexible hoe is adjustable for 36 to 40-inch rows. The 224 is available in a four-row nonexpandable, a four-row expandable to six-rows, and a six-row model . . . 18 or 21-inch wheels . . . Category II three-point hitch or Fast-Hitch.

224 WING-TYPE SIX-SECTION FLEXIBLE HOE in transport position . . . can be reduced to four-rows.





NEW 510 COMBINATION AND PLAIN DRILLS.

Available in 6, 7, 8 and 10-inch spacings with choice of "high-moisture" double-disk or single-disk openers. Plain drill holds 2.4 bushels per foot of hopper; can be converted later to handle fertilizer, too, at same capacity of Combination model: 108 lbs. fertilizer per foot with 1.35 bushels of grain, or 79

lbs. fertilizer per foot with 1.70 bushels of grain. Fertilizer can be metered at rates of from 16 to 528 lbs. per acre. These drills have many interesting features and "tailor-to-the-job" attachments such as grain seed viewing cups, seed firming wheels, fertilizer level indicator, notched landsides, wide solid-side hitch frames, grass and brome boxes, and much more.



NEW 510 SEMI-MOUNTED

This low-cost 13 x 7 drill is tops in economy, simplicity and maneuverability. Available with plain or combination hopper for Category I or II 3-point hitch, quick coupler 3-point hitch or IH Fast-Hitch with adapter. Lifts and lowers with tractor hitch, follows ground contours, backs up without jackknifing. Has most of the features of regular plain or combination 510 drills. Well received in many small to medium size farms.

**Penetration
and placement
perfectionists**

Big capacity International 510, 100, and 150 drills serve a wide range of drilling needs . . . perform with exceptional precision for full, uniform stands and maximum yields. Important features include:

Drop-bottom fertilizer hopper cleans out much faster and easier than any other.

Star feed wheels provide aggressive, accurate fertilizer delivery through wide range of ground speeds and application rates.

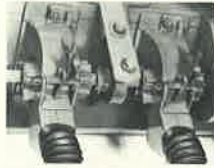
Separate fertilizer placement openers are optional for Plain and Combination 510 Drills having 7-inch or wider disk spacing. Places fertilizer separate from seed — one-inch to side, and from same level down to two inches below seed.

Double-disk front delivery openers (510 and 100 drills) place each seed at the very bottom of the furrow, without scatter.

100 PRESS DRILL

Seed hopper holds 1½ bushels for every foot of width. Fertilizer attachment holds 53 pounds per foot, spreads at rates of from 17 to 474 pounds per acre. Fertilizer and grass seeder attachments let you drill any way you want . . . drill grain only . . . drill grain and apply fertilizer . . . or drill grain, fertilize, and seed grass. Sizes in 6 to 14-foot widths. Attachments include multiple hitches and "easy-on, easy off" transport dollies. Plow packer adapter also available.

Ball bearing feed shifter—Extremely precise, this slop-free mechanism stays in adjustment throughout its long, wear-free life. Once set, there's no variance in feed-cup sowing rate throughout the entire field.



International Feed Cup—Big, wide-throat feed cup is die cast of corrosion-proof zinc alloy. Critical parts are molded of powdered, sintered metal for smooth finish and uniform cup-to-cup precision. Regardless of seed size, you can rely on this cup to meter seed with uniform accuracy.



Exclusive adjusting lever—Feed cups can be adjusted easily and quickly—no screwdriver or special tool needed. Simply move the lever to instantly regulate the position of the feed cup bottom.

**150 SHOVEL PRESS DRILL**

Built for deep seeding in heavy trash. There's very little disturbance of protective cover . . . leaves trash-laced ridges that conserve moisture, reduce wind and water erosion. Exclusive "Eagle Beak" deep penetration point (optional) lets you break hardpan to any moisture within eight inches. High vertical trash clearance and widely staggered opener ranks prevent plugging, even in heaviest trash. Seed hopper has a capacity of 1¾ bushels per foot; separate fertilizer hopper holds 53 pounds per foot. Available with new separate delivery attachment. Sizes range from 7 foot to 14 foot. Multiple hitches available.





NEW 153 Series 6 and 8-Row. New Cleaner design and 5 x 7 x 250-inch high strength steel tubular main frames combine to create five high performance cultivators. All offer big strength with no need for reinforcing tubes. With no weld gussets, row spacing adjustments are easy to make. All with heavy-duty adjustable parallel linkage, rubber tired gauge wheels, flexible rolling guide fins and famous IH tooling. Transport attachment available. Row spacing: 8-row with 28-40-in., 8-row with 28-30-in., 8-row beet and bean with 28-30-in., 8-row with 22-30-in. and 6-row with 28-40-in. spacing. Quick-Attach 2 and 3 pt. hitches.



NEW 153 Series Vibra Shank 6 and 8-Row. Sleek, clean high strength steel tubular main frames team up with famous IH Vibra Shank tooling to do a good job of knocking the weeds and mulching the soil at high speeds. 6-Row has a 4 x 6 x 190-inch tubular main frame; 8-row with 5 x 7 x 250-inch tubular main frame and carrying wheels. Both have 28-30-in. row spacing and feature heavy-duty adjustable parallel linkage, flexible rolling guide fins, 4 x 12-in. rubber tired gauge wheels. Transport Attachment available. 2 pt. Fast, 3 pt. Cat. I and 3 pt. Cat. II Quick-Attach hitches.

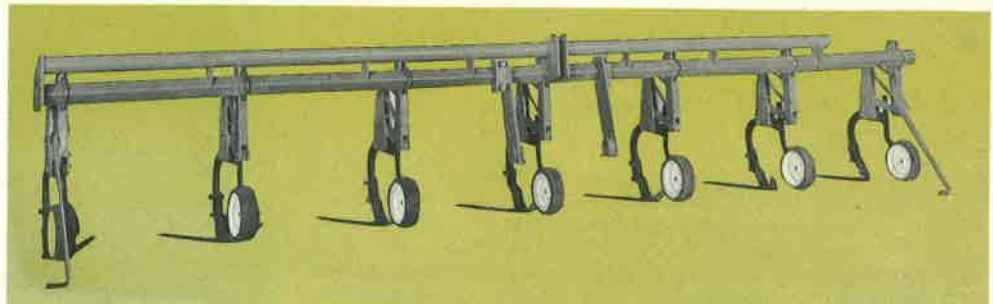


53 Series 4 and 6-Row Beet and Bean Cultivators. These cultivators have all the features of 53 Series Cotton and Corn Cultivators, including 1 1/4-inch round standards with sweeps and disk or knife weeders up front. Streamlined design gives you hoe-close cultivation in beets, vegetables, and other crops. Handle 22, 24, 28, or 30-in. rows. Available with three-point or Fast-Hitch.

Strength, flexibility,



53 Series 4, 6 and 12-row Cotton and Corn Cultivators. If you plant crops in several row widths, these are the cultivators for you. They convert to different row widths easily and quickly. No need for extensive reassembly. Just loosen a few bolts and slide the tooling to the row spacing desired. Rigid or flexible rolling guide fins and gauge wheels feature precision bearings. Rugged square tool bar is made of welded angle iron, Transport attachment with Quick-Attach feature is available for six-row wide and 12-row models. Six models to choose from: four-row narrow . . . 22 to 30-inch rows; four-row wide . . . 28 to 40-inch rows; six-row narrow . . . 22 to 30-inch rows; six-row wide . . . 28 to 40-inch rows and 12-row narrow 28 and 30-inch rows. All available with three-point or 2 point Fast-Hitch.



46 Series 4, 6 and 8-Row. In cotton or corn, you can cultivate both early and late in the season with these 36-inch high clearance single sweep cultivators. 4 and 6-row with 3 3/4-inch toolbar with welded-on reinforcing pipe. New 8-row with 7 x 7-inch high strength tubular steel frame. All with precision bearing gauge wheels, heavy-duty parallel linkage, friction trip protection. 36 to 40-inch rows. Two or three point hitch available.

clean, fast work

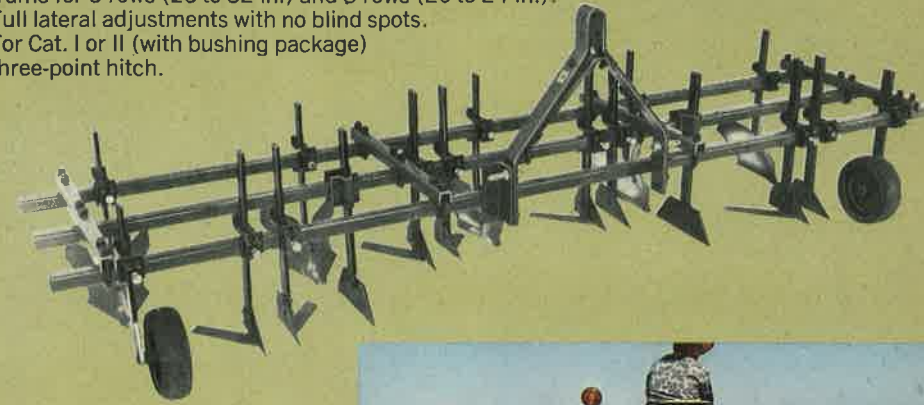


NEW 163 Series 6 and 8-Row Cultivators. New rectangular tubular main frames bring clean design and rugged strength to a pair of big production cultivators. The 163 8-row uses a 7 x 7 x 312-inch frame and the 163 6-row uses a 5 x 7 x 250-inch frame. Both have 36, 38 or 40-inch row spacing. Adjustable parallel linkage, rubber tired gauge wheels with precision bearings, flexible rolling guide fins. Quick-Attach Transport standard on 8-row, optional on 6-row. Both with Quick-Attach two and three point hitches.



63 Series 2 and 4-row Cotton and Corn Cultivators. Here are the cultivators that give you famous IH "big-acreage" construction. Side-to-side rigidity keeps gangs in perfect alignment. Hardened wear washers in parallel linkage prevent wear to linkage, keep joints snug despite years of hard use. Two-row cultivates 28 to 42-inch rows . . . four-row, 28 to 40-inch rows. Available with three-point or two-point Fast-Hitch.

225 4, 6 and 8-row Vegetable Cultivator. For beet, bean and other crops on beds or flatland. Free-swinging hitch, guide fins and front-mounted row indicator makes high-speed cultivation practical . . . doubles your day's work. Two sizes: 156-inch frame for 4-rows (26 to 36-in.) and 6-rows (20 to 24-in.). 204-inch frame for 6-rows (26 to 32-in.) and 8-rows (20 to 24-in.). Full lateral adjustments with no blind spots. For Cat. I or II (with bushing package) three-point hitch.



200 2-Row. This close-coupled unit cuts costs to the bone . . . gives years of tough, high-speed cultivating at lowest possible cost. Available with Category I, three-point hitch or two-point Fast-Hitch. Choice of 90-inch hollow bar or 95-inch solid bar.



70 Series Lister Cultivators . . . 4 and 6-Row. Superior crank adjustment for precise depth. Staggered shovels completely clean out rows. Pre-lubricated sealed bearings on guide wheels and disks. Four-row 36 to 42-inch rows. Six-row may be ordered for 30 to 32-inch rows or 36 to 40-inch rows. New 170 8-row, 30-inch rows, features new 4 x 6-inch high strength steel tubular main frame. All with either two or three-point hitch.



Clean close fast... up front cultivation

78 series 4 and 6-row. With new big clearance these cultivators easily clear 10.00 and 11.00-16-inch front tires that are on Farmall 706, 806, 826, 856, 1026, 1206, 1256 and 1456 tractors. Completely new in design, the 78 Series gives you heavy duty parallel linkage with adjustable upper links, symmetrical tooling for greater crop clearance, high strength tubing main frames that makes external trussing unnecessary and precision bearing gauge wheels. Six-row cultivates 28-30-inch rows while the four-row provides 36-38-40-inch row spacing. If you wish you can get the 78 with six-row frame and four-row tooling, convert later to six-row, should you decide to plant narrower rows, by adding tooling.



68 series 2, 4, and 6-row. Rugged tubular frame across front places pivot-point for gangs farther away from tractor . . . permits easy drive-in with wide-front-end as well as tricycle tractors. Also helps give exceptional side-to-side rigidity. Teams up with Farmall 504, 656, 706, 806, or 1206 Tractors for accurate, high-speed cultivating. Two and four-row units handle 28 to 42-inch rows. Six row cultivator takes 28 to 30-inch rows . . . can be converted to four-row unit for 28 to 42-inch rows.



144 For use with IH Cub or Farmall 140 Tractors. Culti-Vision (offset-seat design of tractors) lets you look straight ahead while working inch-close to tender plants at fairly fast speeds. Works 36 to 40-inch rows with Cub Tractor, 40 to 68-inch rows with Farmall 140.



85 Series 6, 8 and 12-row. This front mounted cultivator series not only clears big 10.00 and 11.00-16-inch front tires but is available in four different models — a six and eight-row with 36-38-40-inch row spacings and an eight and 12-row for 28-30-inch rows. Each features high-strength steel right and left hand frames that are hinged to better follow ground contour, symmetrical tool-

ing for greater clearance in narrow, bushy rows, heavy-duty parallel linkage with adjustable upper link and gauge wheels with precision bearings. New front-end clearance makes for easier mounting and dismounting of the cultivator and faster changing from field to transport. For Farmall 706, 756, 806, 826, 856, 1026, 1206, 1256 and 1456 tractors.



660 4 and 6-row beet and bean cultivators give clean, hoe-close cultivation in vegetables as well as other crops. Handle heaviest tooling, including 1 x 3-inch shanks and middlebuster bottoms. Available with 104 or 160-inch frame. 160-inch frame permits cultivation of six 40-inch rows. For use with Farmall 504, 544, 656, 706, 756, 806, 856, 1206 and 1256 tractors.



International gives you
a **big**
working
edge!

Looking for hay tools you can count on? Tools that'll keep you going year after year without much fuss? That give you a big working edge to help you hay faster and better? International hay tools do just that. Because these hay tools have money-in-the-pocket features that help you do a better job in less time. Come in as soon as you can. Look over the International line. Compare these hay tools with any other and then buy the machines you believe will do the better job. We're confident you'll be buying International.



- Mowers
- Conditioners
- Rakes
- Mower Conditioner
- Windrowers
- Forage Harvesters
- Flail Choppers
- Forage Feeder
- Blower
- Balers



Balanced head mowers are the unquestioned leader in dependable mowing at speeds up to 8 mph. Balanced wrist action drive and exclusive one-piece balanced yoke keep you going through the toughest crops. The drive converts flywheel rotary motion to smooth, quiet-running reciprocating drive motion. Without a pitman, connecting rods or gears. The drive always remains parallel to the knife, regardless of cutter bar position. This eliminates knife lift, lets the knife cut clean at any cutter bar angle, and the knife always stays in register. Only three moving parts and four lubrication points in the entire drive. Five models: 1300 3-point mounted, 1200 Fast-Hitch, 1000 semi-mounted, 1100 2-wheel trailing, and 1110 side mounted. Cutter bar lengths are 5, 6, 7, and 9 ft. on the 1110, seven and nine feet on the others.



Pitman mowers by International put more "cut" in the cutter bar with exclusive controlled vibration—the only significant development in pitman mowers in more than 50 years. International pitmans keep vibration away from the mower frame and tractor hitch. This makes the mowing job much easier on the operator. Controlled vibration also puts more of the developed mechanical energy into cutting action at the cutter bar, for the most highly effective, high speed mowing available in any pitman mower. Operation is very smooth, even in the toughest of conditions. Crop is cut clean, and the cutter bar is kept free of crop build-up. Three models: 230 3-point mounted, 200 semi-mounted, and 22 side mounted. Cutter bar lengths are five feet on the 22, seven and nine feet on the 200 and 230.



Side-mounted mowers provide unexcelled visibility. The balanced head model (above) has hydraulic drive available to keep the tractor pto free for other work. The pitman side-mounted is ideal for small farms, estates, or for roadside mowing.

Mow power



Exceptional cutter bar strength. Hot rolled, heat treated, boron steel cutter bars are 40 per cent stronger than cutter bars on other mowers. In demonstration above, tractor weight bends bar 12 inches. When weight is removed, cutter bar springs back into normal position, ready to mow.



Automatic breakaway. The entire frame breaks away on rear-mounted and trail-type International mowers. Keeps breakage very low compared to others. Just idle backwards for fast, easy recoupling the first try.



NEW 35 PARALLEL BAR RAKE — Exclusive hydraulic drive, or regular ground drive. On the hydraulic model, engine speed governs basket speed regardless of tractor gear being used. You can maintain basket speed while varying ground speed by shifting gears. Rubber mounted teeth are standard. Wheels are offset, riding close behind the basket. Exclusive triple-sweep tooth spacing can be changed to five-tooth spacing for special conditions. The four-bar, 9-ft. basket can be converted to a five-bar basket. These options make baskets available with 76, 95, 124 or 155 teeth. No belts or chains.

Rake clean and fast

International 9, 14 and 35 parallel bar rakes have teeth grouped in threes instead of twos. The resulting fine-tooth raking action puts more hay and cleaner hay in the windrow. You get this same effectiveness in beans without changing the basket. Tooth bars are equipped with sealed regreaseable ball bearings. Baskets turn on tapered roller bearings. Easy working cranks on the larger models let you set the rake quickly and correctly; parallel linkage eliminates basket tilt when raising or lowering to meet varying conditions.

9 PARALLEL BAR RAKE — Great for smaller tractors, the economy priced model 9 rakes a 7-ft. swath, is pto driven and fully mounts to a 3-point hitch. Two-speed reel drive is standard, with a slow speed adapting package available. Wheels are offset and independently suspended for clean raking.

14 PARALLEL BAR RAKE — Exclusive torsion bar basket suspension on the 14 virtually eliminates hit-and-miss raking action caused by basket bounce. The 4-bar basket can be equipped with a fifth bar if desired. Chain driven, the 7-ft. raking width 14 is available with coil spring or rubber mounted teeth.



30 WHEEL RAKE — The most up-to-date of any wheel rake, exclusive features of the 30 eliminate problems experienced by other makes. Longer springs and matched lift leverage let ground driven raking wheels float at a uniform weight throughout their full working range, to gently clean-sweep fields over borders, terraces and low spots. Float tension is balanced and adjustable. Dial-type hitch lets you adjust raking angle from the tractor seat. An adjustable clevis adapts to various drawbar heights. Transport wheels set quickly for transport or raking position. The axle arches over the raking wheels permitting uniform raking wheel spacing for superior performance, especially in light second and third cuttings. Basic five wheel rake can be expanded to six or seven wheel rake, for swaths up to 8', 9'6", and 11'. Rubber mounted teeth are available.

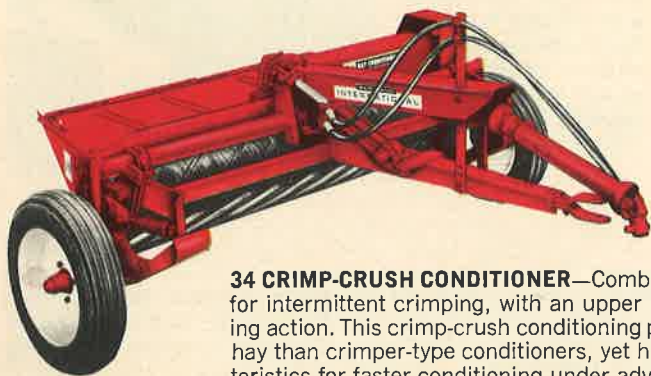




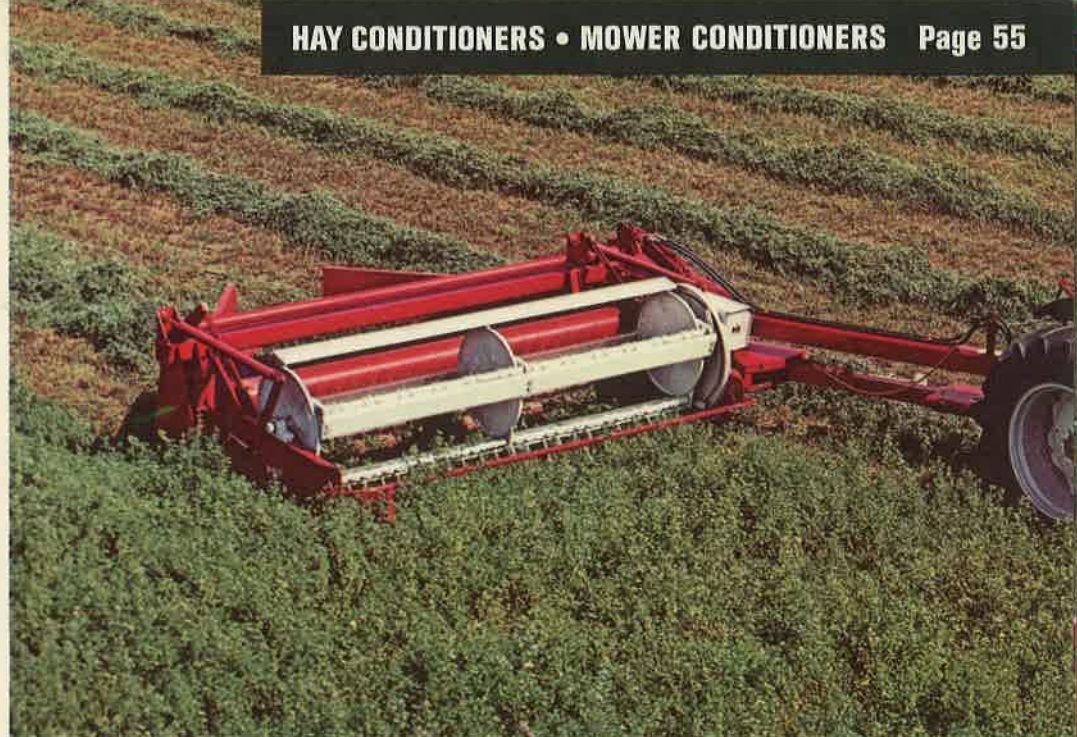
33 FULL-CRUSH CONDITIONER—The ultimate for making high-quality, uniformly drying hay. The double rubber rolls full-length crushing action dries stems before leaves become too dry to handle. You put up higher nutrition crop, get more value per acre and hour worked.

Time-saving conditioners

Without leaving the tractor seat you can separate the rolls on 33 and 34 Hay Conditioners. This hydraulic action automatically frees slugs. Saves time and trouble. Exclusive toggle linkage keeps roll pressure constant regardless of density of material being handled. Heavy material is not overconditioned; light material is not underconditioned.



34 CRIMP-CRUSH CONDITIONER—Combines a lower steel roll, for intermittent crimping, with an upper rubber roll for crushing action. This crimp-crush conditioning provides better quality hay than crimper-type conditioners, yet has aggressive characteristics for faster conditioning under adverse conditions.



NEW

990 MOWER CONDITIONER—Cuts and conditions nine feet wide. Lever controlled windrow deflector shields form fast-drying windrows or lay a full width swath, without removing shields from the machine. Conditioner rolls open hydraulically to clear slugs or wadded matter without leaving tractor. Roll pressure automatically adjusts to crop density, assuring uniform conditioning regardless of how spotty fields may be. Virtually constant platform weight is maintained throughout full six-inch-down and 20-inch-up float range. This keeps stubble height uniform in uneven fields. Standard 4-bat reel can be converted to 5 or 6-bat reel. Exclusive reel bat position minimizes crop carryover and does exceptional job in both light and heavy cuttings. The 990 has big capacity tool compartment, storage area for spare sickle, adjustable clevis, dial hitch, balanced head knife drive that makes 1,644 strokes per minute, easy service drives and many other features.

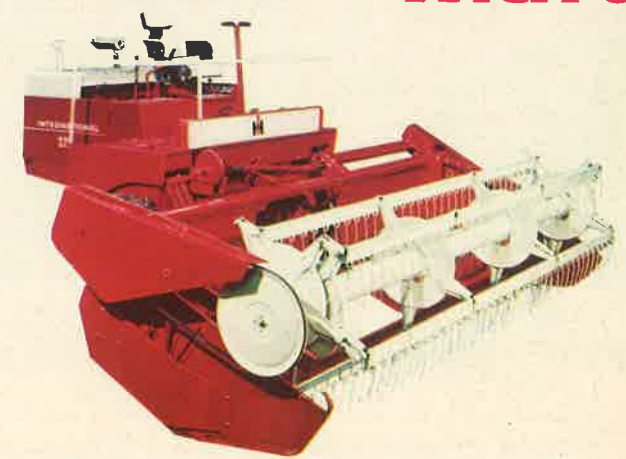
High-speed low HP operation

Third or fourth gear cutting with an under 50 hp tractor takes you through fields fast. You'll cut close, without side draft problems regardless of whether fields are hilly, contoured or level. Should crop be thin and short, extra tall and dense, or down and tangled, the International 990 Mower Conditioner will do the job at top capacity and with high reliability. And in most instances adjusting the machine for changing conditions is unnecessary.



275 Has "feather-touch" infinite steering, variable speed drive up to 9 mph. Clutch and exclusive self-equalizing brakes give you excellent steering and stopping control.

Fast-cutting with a



The pickup reel (above) is available for dual auger 275 and 375 windrowers: the low-profile reel (see upper left field scene) is available for dual auger and single auger platforms.



Factory-installed pressurized cab is biggest cab on the market, has many comfort-pleasing features including: all windrower controls inside the cab; doors on both sides, with inside and outside handles; extra-wide windows; excellent sealing and sound insulation; big-capacity dust removing filter. For 275 and 375.



375 One-lever — controlled hydrostatic all-speed drive (infinite speeds with hydrostatic steering-wheel power steering. Move forward at any speed up to 12 mph; reverse or brake, with no clutching, no shifting.

windrowers gentle touch

For fast windrowing with outstanding crop-saving performance you can't beat the four International self-propelled windrowers. Choose from the economical 210 with a 10½ ft. draper platform (not illustrated; see grain version on page 62), the 225 Hayswather for windrowing or swathing, or the heavy-duty 275 and 375 models.

Whether windrowing or swathing, the 225 makes 1,500 ¾-inch strokes per minute, in a 10-foot wide cut. Header can be adjusted to cut at from a 6° to 12° angle, anywhere between four inches below the drive wheel level to 23 inches above.

The 275 and 375 also cut at 1,500 ¾-inch strokes per minute, slicing through crop faster than any other big capacity windrower. Patented 10, 12, 14, and 16-foot dual-auger platforms feature "float-over" action — an IH exclusive that is unbeatable for gentle handling. Single-auger, 14-foot platform is recommended for extra tall, coarse crops.

NEW 225 HAYSWATHER has extra-wide conditioner, lays well-formed airy windrows or faster drying full width swath. Exclusive over-shot auger design, that "floats" the crop over the top of the auger, lets you handle everything from dense, down and tangled crop to tall-growing sudan sorghums. Exclusive torsion bar vertical and radial float enables closer coupling of the chassis and platform for better balance, safety and appearance as well as faster float response. Water cooled engine is International designed and manufactured for the high torque loads typical of agricultural applications. Operator's deck is roomy, with handy controls, well-cushioned, fully adjustable bucket seat.





350 chops up to 80 tons of corn an hour; chops as fine as 1/8-in.



350 chops up to 40 tons of corn an hour; chops as fine as 3/16-in.



56 blows 100 tons corn silage, or 70 tons haylage an hour.

80 ton chopping...100 ton blowing

For the best balance of fine, uniform chop and capacity, you can't beat International forage harvesters. Because these quality machines give you finer chopping in the first place . . . at the cutter head . . . and not at a capacity reducing, power consuming recutter screen. This balanced performance is achieved through features such as exclusive knife design with an offset edge that is in the best relationship to the shear bar for cutting, while the rest of the knife is in the best position for blowing. More do-the-job-better features include exclusive wrap-free offset interlocking feed roll teeth, scientifically angled shear bar, separate pressure control of front and rear rolls, and much more. You owe it to yourself to find out what these features can do for you.

Whether handling haylage or corn silage, the ultimate "capacity" of your total handling program is only as good as the lowest capacity machine used. That's why International Forage Harvesters, Blowers, and Power Forage Feeders are capacity-matched. Big capacity all the way! No "weak links" to slow your operation. Go with the International handling team, and you'll go faster.

Regardless of silo height, you'll blow faster and with less power than other makes. Another International forage and hay handling exclusive, the 45° auger feeding system, is what gives the 56 Blower such a tremendous advantage over other blowers. This one-of-a-kind feeding system delivers crop in a non-stop, near straight-line flow to the rotor for big-capacity performance that makes the 56 the best blower in the business. And because of this big capacity, you'll seldom if ever plug. In addition, the 56 is easy to approach and load; has spring cushioning, protecting the rotor housing to maintain precise rotor alignment when transporting from silo to silo; easily adjusts to the proper angle for hard to get at storage areas; has direct pto drive, a husky rotor, a longer auger for smoother, more uniform positive feeding.



Here is model with 6-foot sides and new third beater attachment. Metal roof attachment, as shown, also available. Unit shown mounted on International 140 Trailer.



Handle forage fast, efficiently

51 POWER FORAGE FEEDER — Four basic models fit any feed system, cut costs:

- 16-ft. short (12-in.) chain-type cross conveyor
- 16-ft. with long (36-in.) chain-type cross conveyor
- 16-ft. with rubberized belt-type cross conveyor (extension attachments available)
- 14-ft. with long (36-in.) chain-type cross conveyor

Versatile features economically fit a wide range of specific forage and haylage handling requirements. Big 16-foot models have

BUNK FEEDER SPECIAL—This is a 14-foot model built specifically for front-end unloading, and is available equipped with long (36-in.) chain-type conveyor, only. Capacity with 4-foot sides is 300 cu. ft.—with 6-ft. sides, 450 cu. ft.

350 cu. ft. capacity with 4-ft. sides, 525 cu. ft. with 6-ft. sides, and feature both front and rear unloading. The tailgate hinges at the top and opens at the bottom for big-capacity rear unloading.

All units are shipped from factory in kits (metal parts and instructions for custom building bodies locally). They can be ordered fully assembled, however, through one of the IH authorized build-stations conveniently located about the country. Kits available with two beaters for 4-ft. sides, or with optional third attachment for 6-ft. sides.

Flail chop big loads regardless of weather

8 FLAIL CHOPPER—Big capacity—takes a hefty 6-foot cut with 68 husky L-shaped knives. Double-cutting action, extra inches of cutting edges and fast rotor speed provide fast, clean performance. Auger-blower combination keeps heaviest, toughest material on the move—even handles rain-drenched alfalfa without plugging. Patented straps lock tandem-mounted knives to rotor, making it easy to replace knives without removing the rotor. And when knives are worn, it's a simple matter to re-balance the rotor. Adjustable wheel tread and dial-type hitch.



420 14 x 18-inch baler with up to 15 tons per hour capacity — an effective pickup width of 55-inches—Shuttle-Glide feed—PTO 2-knuckle drive, or a 3-knuckle PTO with an 8-inch offset hitch—International 3-phase knotters with chrome plated tying parts — and top, or top and bottom bale tension.

440 14 x 18-inch twine or wire baler with up to 19 tons per hour capacity—an effective pickup width of 65-inches—floating-auger packer-finger feed—regular or heavy-duty 3-knuckle PTO with an 8-inch offset hitch, or 18 or 30 hp air-cooled engines—International 3-phase knotters with chrome plated tying parts, or International double-thickness wire twistors—and top and bottom bale tension.





430 14 x18-inch twine or wire baler with up to 17 tons per hour capacity — an effective pickup width of 57-inches — floating-auger packer-finger feed—PTO 2-knuckle drive, or a regular or heavy-duty 3-knuckle PTO with an 8-inch offset hitch, or 18 or 30 hp air-cooled engines—International 3-phase knotters with chrome plated tying parts, or International double-thickness wire twisters—and top, or top and bottom bale tension.

Performance-rated 400's

Highest capacity for your baler dollar

Up to 15, 17, or 19 tons per hour—take your choice. Sure you can pay more money for a larger baler, but, dollar for dollar, you can't buy more capacity, more dependability, and more reliable tying than you can with a Performance-rated 400.

Here's capacity that will keep you on the go even in heavy back swath windrows, windblown hay, double swath windrows, varying yields in hilly conditions, or you name it.

And it's dependable capacity. The kind that stays on the job as long as the crop is there, season after season. The kind that makes you take a 400 for granted as it turns out thousands of bales without a miss.

And these 400's are loaded with brand new features you're sure to like. Take the shearing knives, now with a tungsten carbide cutting edge that can last up to 30,000 bales without resharpening. A Swedish steel twine knife that you change almost as easy as the blade in your razor. Or rubber mounted pickup teeth that are field proven to last up to three times longer than conventional teeth.

Take a good look at a 400 before you buy. Compare them with other balers in the same price range. We believe you'll agree that a 400 gives you more baler for your money, any way you look at it.

57 baler for irrigated hay areas

If you need a still larger baler with custom capacity up to 20 tons per hour, take a look at this International 57. It makes 15 x 19-inch bales, 12 to 48-inches long, and weighing up to 100 pounds (125 pounds wire tied.) It is available with a PTO or engine drive. Also, a bale thrower for the engine drive model.



Priced to please ...built to perform

In terms of operating performance and minimum service the 210 self-propelled windrower stays "brand new" year after year. You won't experience excessive downtime caused by "save-a-nickel" manufacturing methods. The 210 is solid. Well constructed. Well engineered. Designed for comfort, control, safety and simple servicing, this windrower also has plenty of power. Big power, with a water cooled International designed and manufactured engine. An engine that has what it takes to handle the high torque loads demanded of agricultural applications.



NEW

210 Available with 13½, 16½ and 19½-ft. platforms and bat type reel for use in grain. A 10½-ft. platform with hay conditioner and pickup reel is also available for use in most hay crops as well as grain (the conditioner locks up out of the way). Final drive chains are enclosed and run in a bath of oil. Variable speed drive. Spacious operator's deck with handy controls. Exceptionally comfortable, cushioned and fully adjustable seat. 1,120 strokes per minute.



200 A clean-cutting pull-type windrower with 1,080 stroke per minute efficiency in grain and flax. A 16-foot wide, extra-deep 42-inch platform is standard. Double-swath attachment puts two 16-foot swaths into dual side-by-side, or single double-size windrows—saves time and money in short, low-volume crops. Does exceptional job in good stands.

New 914

The most productive Pull-type Combine ever built

Like its big self-propelled brother the 915, this new 914 is beyond comparison with any other pull-type combine. In fact it will out perform many self-propelled that cost as much as a 914 along with a new tractor up front.

Take a fast count of some 914 features and you'll agree that here is no ordinary pull-type. Check the giant-sized threshing, separating, and cleaning capacities. Measure the big 8x8-inch clean grain elevator. And, while you're at it, measure the 20-inch clearance between the straw racks and top of the separator. In windrow country these dimensions are especially important.

Tired of chasing your combine into the next section to unload? We can't promise to eliminate this completely but, with grain tanks holding up to 150 bushels, you're bound to save a lot of chasing and unloading time.

Take the big heavy frame that's made to support 150 bushel tank loads over rough ridged fields at speeds up to 6 miles per hour — or road transport speeds up to 20 miles per hour. Or take the 18-inch offset platform that makes it easy to stay off the windrow and still center the crop with the feeder, even with a rotary type pickup.

Take a good look at a 914. We believe you'll be impressed with its looks. And we know you'll like the extra performance, extra capacity, and extra profit that's built into a 914 — the most productive pull-type money can buy.



Now—Owners report on 815-915 Combines

Just a year ago, in the Spring issue of the Buyers Guide, we introduced the new 815-915 Combines with "features, capacities, and controls beyond compare." We promised an "entirely new experience" that would put these big productive giants "beyond the limits of comparison with conventional combines."

Talk is cheap, and we're sure many farmers said as much. Not that we blame them. After all the long line of 815-915 features seemed almost beyond belief. Who had ever offered a Hydrostatic Drive Combine with Quick-Attach platforms and corn heads? Revolutionary Even-Flow cleaning? Grain tank capacities up to 150 bushels? Engines with up to 144 horses? Monitor-Controls? Hydraulically controlled swinging unloader auger? Comfort-Control cabs? Big 8x8-inch clean grain elevators? Who? Nobody!

Well, a lot of farmers did believe us. They came, they saw, and they bought. And they conquered their need for more capacity, more efficiency, more comfort, more power, more controls, more convenience and more profit. Here's what they have to say about their new 815-915 Combines.

Joe Hoffert, Rugby, North Dakota, says: "I have two 915 Combines and have put about 1400 acres on each machine and, to my knowledge, there is no machine in the industry today that can compare with a 915."

Norman Nelson, Arthur, North Dakota, writes: "It is a much more convenient combine to operate than my old one, and the cab is much quieter."

Rigsby Bros., Shawneetown, Illinois, reports: "Hydrostatic Drive really pays off in the field. Our 915 has the power and capacity to handle any condition. And the location of the cleaning fan away from the stalks and stubble shows up with a cleaner grain sample."

Leonard and James Schierer, Metamora, Illinois, said: "We were impressed with the abundance of power in our 815. We never did open the governor. And the new air cleaning system gave us a real clean sample."

Lawrence H. Durree, Rt. 4, Streator, Illinois, states: "I find the 915 controls are very easy to reach and the visibility from the cab is excellent. It's the quietest cab I have ever ridden in. This is the first Hydrostatic machine I have ever owned and it is really a pleasure to operate."

Gerry Knobloch, Rt. 1, Bradford, Illinois, reports: "Our 915 seems to have plenty of power in small grain and corn. It seems to be a very well balanced combine with the capacity we expected."

Coy Again, Rocheport, Missouri, says: "With the low profile corn head the harvest was so thorough that there wouldn't have been any use trying to pasture hogs or cattle in the field—they'd have starved to death. Owners of other combines stopped by to see the 915 in operation and marveled at its performance."





403 Has an International six cylinder, 90-horsepower gasoline, LP gas or diesel engine, a 65-bushel grain tank (96 bushel with extension), 13, 14, 15½, 16½, or 18½-foot platforms, a two-row corn head for 38 to 42-inch rows, a three-row head for 28, 30, 32, 38 and 40-inch rows, and a four-row head for 30, 36, 38, and 40-inch rows. Available with hydrostatic drive.



315 Has an International six cylinder, 72-horsepower gasoline engine, 70-bushel dual grain tanks, 10, 13, 14, or 16-foot grain platforms, a two-row corn head for 36 to 42-inch rows, and a three-row head for 28, 30, 32, 38, and 40-inch rows. Available with hydrostatic drive.

The right combine for every size job... every crop...every size pocketbook



82 Has a 540 or 1,000 rpm power take-off drive, a 32-bushel grain tank, and a 7-foot grain platform available with a drum-type windrow pickup.

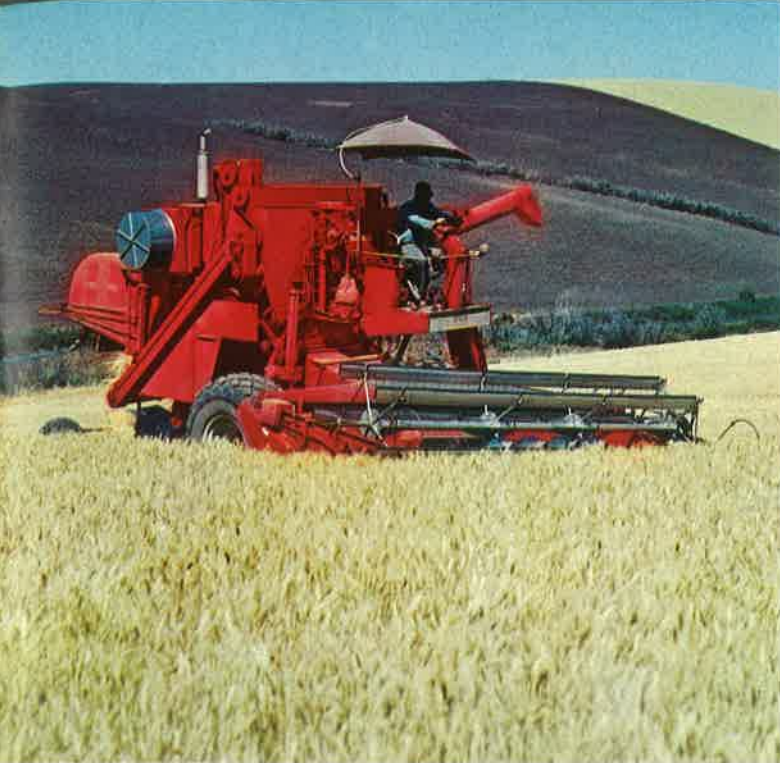


105 Has an International four cylinder, 55-horsepower gasoline engine, a 55-bushel grain tank, 10¾ or 13-foot platforms, and a two-row corn head for 36 to 42-inch rows.

205 (Not shown) Has an International six cylinder, 61-horsepower gasoline engine, 60-bushel dual grain tanks, 10 or 13-foot grain platforms, a two-row corn head for 36 to 42-inch rows, and a three-row head for 28, 30, and 32-inch rows.

402 Features a 540 or 1,000 rpm power take-off drive, a 65-bushel grain tank (96-bushel with extension), and a 13-foot grain platform available with a 10-foot drum-type or a 10 or 12-foot belt-type windrow pickup.



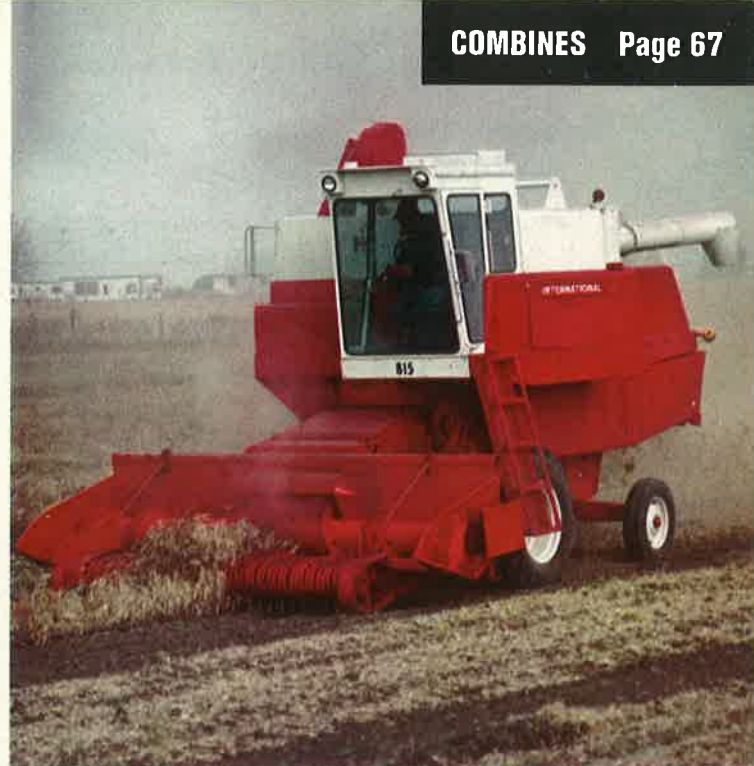


HILLSIDE SPECIALS

are available in the Model 403 with conventional 2-way leveling or popular and exclusive 4-way leveling. Only 4-way leveling lets you open fields any way you want for easiest and fastest haulouts — keeps the combine weight on the drive wheels for superior ground-gripping traction—keeps the threshing mechanism level at all times for maximum grain-saving efficiency—and provides unmatched safety on steepest slopes. And now they're available with Hydrostatic Drive that makes hillside operation even more productive and less hazardous.

EDIBLE BEAN EQUIPMENT

is available for all self-propelled. To help get rid of sand and dirt, Edible Bean Specials are equipped with perforated bottoms for the shoe, grain pan, augers, and elevator doors. Slow-speed drives provide extra separating and cleaning time. While additional flights in the clean grain elevator move large volumes of beans fast to avoid scuffing and cracking.



RICE SPECIALS

available in 315, 403, 815 and 915, provide a size and price to match every rice operation from California to Louisiana. And all models are specifically equipped with special shielding, slow-speed transmissions, special cane and rice tires, and many other features you need for tough rice harvesting. Spike-tooth cylinders and other rice options are available for all International self-propelled. 403, 815 and 915 Rice Specials are available with wheels or tracks.

WINDROW SPECIALS,

available in the 402 pull type and 403, 815 and 915 self-propelleds, have everything you need to handle heavy windrowed crops in record time. In addition to a wide undershot feeder that can be locked in place to comb out fluffy or bunched windrows, there's an aggressive feed beater ahead of the cylinder to break up and help feed tangled or ropy windrows. Self-propelleds are available with exclusive hydraulic draper pickup drive to feed bunched windrows evenly, and hydrostatic drive.





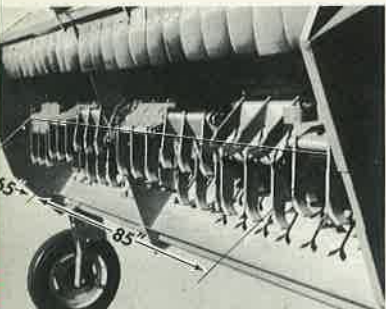
Best stalk shredder in cotton or corn

40 SHREDDER 126 knives times 1438 r.p.m. equals 181,188 cuts per minute to give you fine cut, complete shredding. That means that follow-up plowing or disking is easier . . . that stalk residues mix better in the soil, break down quicker . . . that you have effective control over pink boll worm or corn borer infestations. Shredding with the big 150-inch width International 40 means that you cover fields fast, at less cost and with complete safety.

Because International positions knives in groups of three pair at 120 degree intervals around the rotor, you get a spiral cutting action that requires less power. Cutting is smooth and you move through the field at speeds up to five miles an hour.

Unique design features like heavy-duty drive-lines, two separate rotors, reversible easily removed L shaped knives, Poly V-belt drives and scientifically designed housing makes the International 40 the long life, fine cut shredder for either cotton or corn stalks. Also ideal for clipping pastures and trimming headlands.

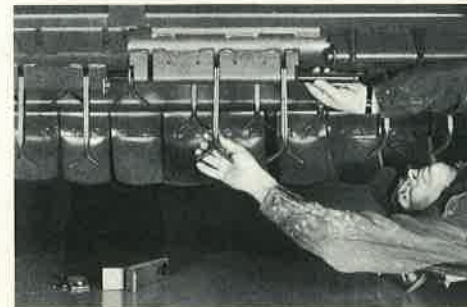
Free swinging reversible, L shaped knives are mounted three pair to a cluster and are easy to reverse or change. Heat treated wear shafts are easily removed, can be repositioned radially or laterally to provide new wear surfaces for longer shaft life.



The rotor is in two sections of unequal length—85 and 65-inches so that the support plate junction is always between the rows. You cut a full 150-inches—4 40-inch rows, 5 30-inch rows or 8 20-inch rows—in one pass.



To change wheel spacings, just tilt the 40 Shredder forward hydraulically. Machine rests on extended end sheets while wheels are adjusted vertically or moved any place along the tool bar type axle.





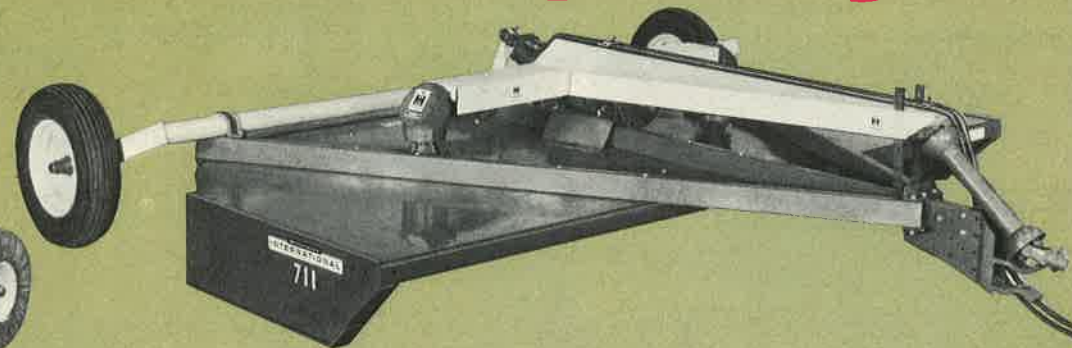
Economy grass special

NEW

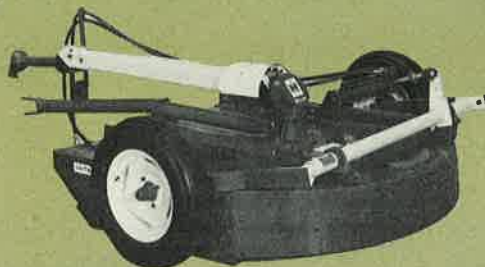
111 ROTARY CUTTER will clean out grass and weeds along roads and fence rows . . . do it at low cost. Built like the big ones, it has 60-inch swath, heavy 7 gauge steel, one-piece rotor housing with 8½-inch sides, 2-knuckle, heavy duty drive, and a 30 HP gear box with 1½-inch tapered spline shaft. Free-swinging ½-inch spring steel knives. 540 R.P.M. 3 Pt. Hitch.

411—Designed primarily for stalk cutting, the 411 is a single rotor machine that cuts and shreds a 72-in. swath. A high profile housing, plus the semi-circular housing shape, increase the holding and shredding ability of the 411. Like the big 711, the spindle is protected against bending and a tie-strap keeps the rotor bar from deflecting under impact. Wheels switch from side to rear position, and are adjustable for width. An adjustable backsheet is available.

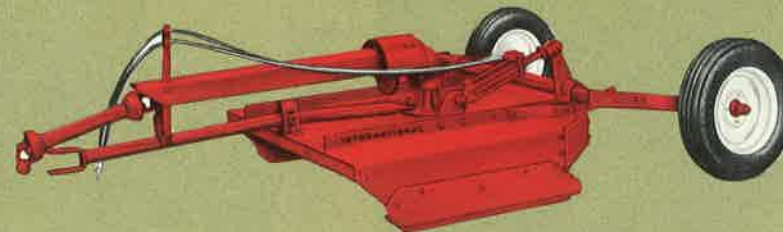
Tops for stalks — great for grass



711—Meet the king of the stalk shredders. Big 2-rotor, 147-inch cutting width is designed to make short work of big acreage stalk fields. Reversible knife rotation adds versatility. Drive lines are torsion protected, and an exclusive rotor bar stabilizing ring protects spindles from bending. Cutting height adjusts from 3 to 17 inches, and the extra deep (14-inch) box assures thorough cutting and shredding. Adjustable back sheet is available. Dual position wheels (side or rear) and telescoping axles offer unmatched versatility for all crops and conditions.



311 — Cuts and shreds a 66-inch swath and handles trees and brush up to 3-inches in diameter. Rotor housing is 13½ inches high, and rear top deck is semi-circular for better shredding and trash distribution. Heavy-duty spindle is induction hardened. The 311 is available in trailing, 3-point hitch and 2-point hitch models. Trailing model features dual position wheels which are adjustable to row crop spacings.



211—Small and handy, the 211 cuts a 60-inch swath and slices saplings up to 2 inches in diameter. Dual position axle on trailing model adjusts for stalk shredding (wheels in side position) or for grass and brush cutting (wheels in rear position). When wheels are in the rear position they adjust to run inside or outside of the cutter housing. Available also with 3-point or 2-point hitch.

Model	Cutting width, inches	Available hitches			Knife tip speed (feet per minute)
		Trailing	Three-point	Two-point	
221	60	yes	yes	yes	14,977
311	66	yes	yes	yes	16,480
411	72	yes	yes	yes	18,000
711	147	yes	no	no	14,250



275-bushel spreader is especially suitable for large dairy herd and big feeder operations. Bogie axle arrangement of the tandem wheels lets you go over humps or through ditches with minimum tipping or twisting of box and frame; smooths heavy-load rides, reduces wear and tear.

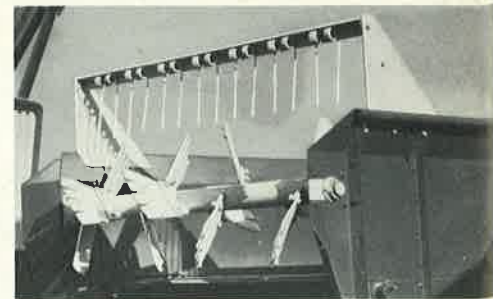
320-bushel spreader is ideal for custom operators, farmers, and feeders who handle huge volumes of materials over long distances. Mounts on truck chassis having a minimum rear axle capacity of 15,000 lbs.



130, 155, and 175-bushel spreaders let you pick a conventional single beater in the size that's best for your operation.



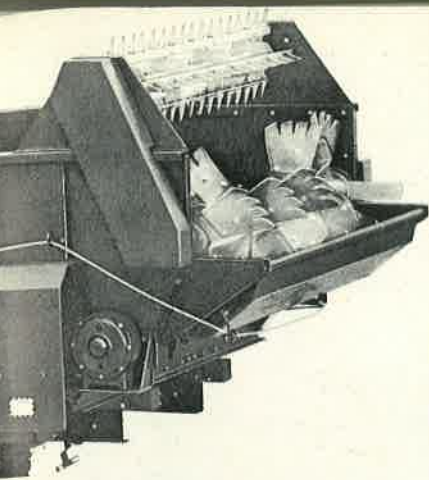
Endgate (130, 155 & 175)—Low-cost, snug-fitting mechanical endgate helps hold soupy manures.



Spring Bar (130, 155 & 175)—Helps level load and regulate material flow into beaters.

Load easy, travel fast and spread right

High-speed spreading efficiency through low-cost single beater simplicity is common to each spreader in this series. So is their record of outstanding durability. "Bear-Claw" beater action cuts, shreds, and widespreads in one operation. Individually replaceable Bear-Claw beater paddles make widespread ground pattern. Your choice of 540 or 1,000 rpm pto drive in 130, 155, 175, 275, or 320-bushel capacity models—all built to do the job the way you want it done, regardless of weather, load, type of manure, or field conditions.



SINGLE BEATER ATTACHMENTS

Upper beater gives you especially fine, more uniform spread pattern; handles big loads without spilling.

Slurry pan lets you take cleaner barnyards and roadways for granted.



Forage box and bunk feeder for the 275 and 320 makes these spreaders dual purpose machines. Get up to eight tons capacity with extra fast and convenient unloading. These attachments provide additional utility and operating economy to the operator who wants maximum value for his dollar.

GROUND DRIVE 3-BEATER with spiral or paddle-type widespread—With 75 and 100-bushel capacities, these spreaders are ideal for smaller size herds, and to chicken and pig operations where volume of manure is not great. Easy to maneuver and load, simple and economical to operate and service. Balanced design provides light draft, plenty of traction.



Say "good bye" to daily spreading

Benefits of liquid manure handling include: reduced labor, considerably cleaner, faster, and far more convenient handling; higher retention of manure fertilizer value; liquids start working into ground immediately after spreading, the fly problem practically disappears; odors are considerably reduced. And daily spreading or spreading during severe weather are completely eliminated because spreading can be spaced 30, 60, 90, or more days apart. Or, you can wait for days when the wind is blowing away from neighbors.



1100 and 1400-gallon LIQUID MANURE SPREADERS are sturdily built for fast, rough working conditions. Full-length auger-spinner assures uniform slurry spreading, even when going up or down hills with nearly empty tank. Unloads in widespread pattern in minutes.

1150 LIQUID MANURE PUMP combines high-volume and high-velocity pressure with positive chopping action. Recirculates manure into easy handling slurry while chopping bedding, feed wastes, feathers and other materials into 3/4-inch bits. Exceptional reliability and performance. Minimum maintenance. For 540 and 1,000 rpm pto's or electric motor.

Ask your IH dealer for this 16-page liquid manure planning and operating guide. It's loaded with information that will help you evaluate benefits, plan sufficient storage and management of a system designed for your particular conditions.



Fast-acting tractor-matched loaders

Put the big lift of an International loader to work on your farm and speed up every lifting and loading job. Specifically designed for IH tractors, there is no damaging concentration of stress or strain even under heavy continuous operation. Clean, open design, mig-welded box-type lift arms, rugged mounting frame, big, lubricated 1½-inch diameter pins at all pivot points, long-life hydraulic cylinders with Teflon rings and seals, and a wide variety of interchangeable attachments gives you stepped up loader capacity . . . extra seasons of trouble-free operation.



2000 LOADER, built to industrial standards, handles heaviest farm loading jobs. Breakaway capacity up to 4500 pounds, lift capacity to full height up to 3000 pounds. Mounts on Farmall 856, 756, 656, 806, 706, 560 and 460 tractors . . . International 656, 606, 544, 504, 460, and 340 tractors.



2050 LOADER shrugs off shocks and stresses that would often put an ordinary loader in the shop for repair. You'll zip through toughest lifting and loading chores with big breakaway power up to 4500 pounds, and big lift capacity up to 3000 pounds. For International 444 tractor.





2001 LOADER has the same rugged design as the husky 2000 loader. Breakaway capacity is 4300 lb., lift capacity to full height is 2575 lb. depending on tractor, tires and cylinders. Fits Farmall 656, 560, 460, 450, 350, 300, 544, Super M, M, Super H, and H tractors . . . International 656, 606, 544, 504, 460, 444, 424, 404, and 340 tractors.

1501 LOADER teams with International compact-type tractors to form a low profile outfit which is ideal for working in low barns and sheds, and other cramped quarters. Choose hydraulic or mechanical dump. The 1501 fits the International 444, 424, B-275, and B-414.

1701 LOADER. Here's an all-purpose, moderately-priced loader that gives you up to 4300 pounds of breakaway capacity and up to 2575 pounds of lift capacity to full height. Mounts on Farmall 656, 560, 544, 504, and 460 tractors . . . International 656 and 544 tractors.



INTERNATIONAL REAR MOUNTED BLADES speed up feed lot clean-up, ditching, scraping, leveling, and snow removal. Save time . . . keep costs low, team up a work-saving International blade with your IH tractor and loader. Blades can be easily angled to the right or left . . . rotated on the frame for back filling . . . tilted and pitched to match the job. Blades are available with one-point Fast-Hitch, two-point Fast-Hitch, Category I and II three-point hitch.



VERSATILE PLATFORM CARRIER. Haul fence posts, tools, tile, milk cans, bags of seed and feed, fertilizer . . . nearly anything you can name . . . quickly and easily. Pockets on rear edge of carrier hold stakes . . . let you haul a full load. Platform lowers to ground for easy loading . . . lifts with tractor hitch. Available with or without boards . . . one-point, two-point, or three-point hitch.



Exact-rate spreading

from 50 to 4,000 pounds per acre

7 FERTILIZER DISTRIBUTOR — Three big features assure positive free flow: (1) sloping hopper sides funnel material down to feed wheels; (2) agitators on feed shaft break up and force material to feed wheels; and (3) feed wheels extend down into feed openings to force fertilizer through in a positive flow. For easy cleaning, the hopper bottom is easily removed. A clutch is provided in wheel hubs to disengage the feed shaft for transport. The No. 7 comes in 8, 10 and 12-foot lengths, and holds 1¾ cubic feet of fertilizer per foot of hopper. It spreads from 50 to 4,000 lbs. per acre.



Plant fast...accurately

950 TWO AND FOUR-ROW POTATO PLANTERS. Precision plant at time-saving speeds, up to 7 mph with an International 950. Seeds can be accurately spaced from 2 to 30 inches apart . . . fertilizer can be applied from 100 to over 5000 pounds per acre. As for capacity, extra-big seed and fertilizer hoppers keep you on-the-go longer between refills. Each seed hopper, with extensions, holds 16 bushels. That's 64 bushels of seed with the 4-row model. Fertilizer hoppers, with extensions, hold 990 pounds or 3960 pounds for a 4-row planter.

These dependable potato planters feature an adjustable, rugged frame; adjustable hitch height; cam roller picker arms for smooth action, longer life; seed hoppers and fertilizer hoppers that tilt for easier servicing; 16-arm picker wheels; and a stainless steel fertilizer belt that resists corrosion and provides accurate metering of fertilizer. Two and four-row models.



950 four-row potato planter



950 two-row potato planter

80 ROD WEEDER. High gooseneck shanks with rounded edges provide full 20-inch clearance to handle heaviest trash. Extra-rugged, slim-line center-drive boot reduces draft, cuts cost of tractor power. Extra-strong frame is built for heaviest rodding. Choice of 7/8" or 1-inch square rod. Available in 10½, 12 or 14-foot sizes.



Hi-Clear Sprayers

give you more of everything

- More traction and flotation with extra large drive wheel tires.
- More stability with weight equally distributed on all 3 wheels.
- More comfort with the operator sitting within the top frame.
- More economy with an engine governed at 1600 rpm.
- More visibility front and rear with unique Smooth-Flo styling.
- More reliability with an International tractor engine and power train.
- More versatility with a choice of two dozen attachments.

Attachments for everything

- Directed spray units
- General purpose boom extension
- Boom drops
- Boom height extension
- Center boom extension
- Boom leveler
- Hydraulic boom fold
- Select boom fold
- Heavy duty spring drops
- Sweet corn boom drops
- High pressure spray system
- Boom drop wheel guard
- Defoliation boom
- Power take-off
- Hand spray guns
- Metering pump
- Flow divider
- Dribble applicator
- Rear wheel shields
- Power steering
- Filler hose bracket
- Deluxe seat

780—for 38 to 42-inch rows without wheel tread adjustment — 68-inch crop clearance.

770—for 30 to 40-inch rows without wheel tread adjustment — 68-inch crop clearance.

660—for 38 to 42-inch rows without wheel tread adjustment — 60-inch crop clearance.



30 TELESCOPING LANDLEVELER has a full working length of 33 feet 6 inches with the smoother down—long enough to do a top job of leveling. Telescopes hydraulically to 26 feet 6 inches with smoother raised for extra short turns and reduced headlands. Bowl available in 9½ or 12-foot widths. Wheels run behind the bowl . . . lets you cut right up to trees, fences, and borders. Sturdy jack for fast, easy hitching or locking up the roller dolly for transporting.

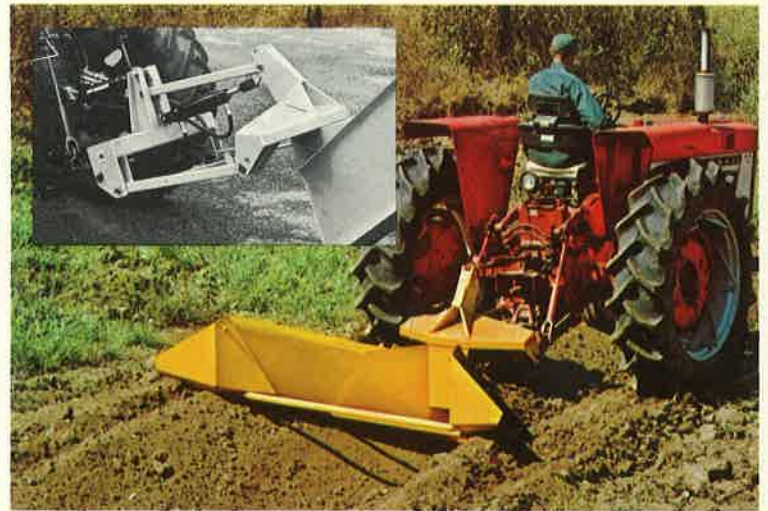


50 AND 80 BOX SCRAPERS are ideal for light-duty scraping, landscaping, and leveling. The six-foot No. 50 is designed for tractors up to 58 hp range with Category I three-point hitch. The husky No. 80 is an eight-foot scraper for use with tractors equipped with Category II three-point hitch.

3 MOUNTED DITCHER incorporates the moldboard features of the No. 2 Ditcher above. This adjustable ditcher permits making a flat bottom or deep "V" ditch. Available in 5, 6, or 7-foot sizes. Category I or II three-point hitch. Deep-ditch attachment (inset) adapts the No. 3 Ditcher for cleaning permanent-type irrigation ditches as deep as 40 inches. In addition, this attachment gives you more than 20 inches of transport clearance.



2 TRAILING DITCHER features a new concept in moldboard design that allows soil to crumble and "flow" easily as it moves up the sides. The ditcher point and the tapered, reversible cutting edges have been designed to cut the ground rather than scrape. Available in 5, 6, or 7-foot sizes.



100 TRAILING SCRAPER is available in 8, 10, 12, and 14-foot widths with either rollers or wheels. When equipped with rollers (left), the 100 scraper levels and firms the soil making it an ideal tool for preparing orchards and vineyards for mechanical harvesting. Rollers can be filled with water for additional soil compaction. When equipped with wheels behind the bowl (right) it excels in general scraping or leveling. Attach the wheels to the side of the bowl and you have a quick dumping scraper for building borders and working in confined areas.



30, 40, 70, 140 & 400—CENTER REACH, AUTO-TYPE STEER.
Five models with similar design, but of different size and ruggedness to fit a variety of load requirements.



30—Lightest in the line, this one's the economy champ. Hauls 100 to 130-bushel loads.

400 — Extra heavy-duty model with big 10-ton capacity. The ideal trailer for high-capacity power-unloading wagons and grain boxes.



TELESCOPING HITCH, optional for all IH auto-type steer trailers except the 30. Provides selective operating lengths of 77, 87, 101 or 111-inches—extends freely (up to 120 in.) for convenient hook-up. Relatches automatically by backing tractor.

100 FLEXI-FRAME, AUTO-TYPE STEER—Heavy-duty flexi-frame lets each wheel follow the ground contour with knee-action smoothness—has 7-inch channel sills and 4-foot sill extensions. Hinge and box stops permit dumping platforms and boxes.



141 CENTER REACH, FIFTH-WHEEL STEER — A heavy-duty trailer with high clearance axle design and extra good maneuverability.

A size and type handy for any hauling jobs

Select the unit that fits . . . normal load capacities range from 9,000 to 20,000 lb. They're all extra strong for modern high-speed hauling . . . feature welded, all-steel construction for stay-tight service and true-trailing performance.

Model No.	30	40	70	140	400	100	141
Rated Capacity, lbs.	6,000	8,000	10,000	14,000	20,000	10,000	14,000
Width, overall in.	69	69	79	82	85	78	80
Wheel tread, in.	62	62	72	72	72	70	72
Wheelbase—Std. reach in.	67-121	78-120	78-120	84-132	120,132,150	84 $\frac{3}{4}$ -120 $\frac{3}{4}$	78-120
Telescoping, reach in.	67-115	78-120	78-120	—		—	—
Extended, reach in.	103-157	108-168	108-168	126-180	—	—	128-168
Cotton Special, feet.	18	18	18	18	—	—	18
Std. reach pole diam., in.	2 $\frac{3}{8}$	2 $\frac{3}{8}$	2 $\frac{3}{8}$	3 $\frac{1}{2}$	5 $\frac{1}{8}$	—	3 $\frac{1}{2}$
Wheel spindle diam., in.	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	2	2 $\frac{1}{8}$	1 $\frac{7}{8}$	2
Bolster Stake width, in.	38-42	38-42	38-42	38-42	42	38-42	38-42
Std. wheels & rim sizes	15-4SKDC	15-5K	15-5K	16-5.50K	WH7B-20	15-5K	16-5.50G
Optional wheels, rim sizes	14-5J	14-5K 16-5.50F	14-5K 16-5.50F	—	WH10L-16	14-5K	—
Weight (less tires & tubes)	366	430	478	625	868	500	722



Annual check-up

BE READY TO GO...

The owner of this tractor will be ready to go when work calls him.

He's making sure of that by getting his annual check-up.

Modern tools and special equipment help us put your equipment in top operating condition quickly.



Genuine IH replacement parts are identical to those on original equipment - - - they fit perfectly

You may save a little on the basic price of look-alike parts, but they are almost certain to cost you more in the long run.

They cannot fit as perfectly, work as well nor give you the same long life performance as International Harvester replacement parts. In fact, genuine IH

parts can be even better than original parts. Improvements in materials, metal alloys or in manufacturing methods may have been made since you purchased the equipment and these benefits are included in the replacement part. Look-alike parts cannot keep up with these improvements.

 **An international emblem
of quality and service**

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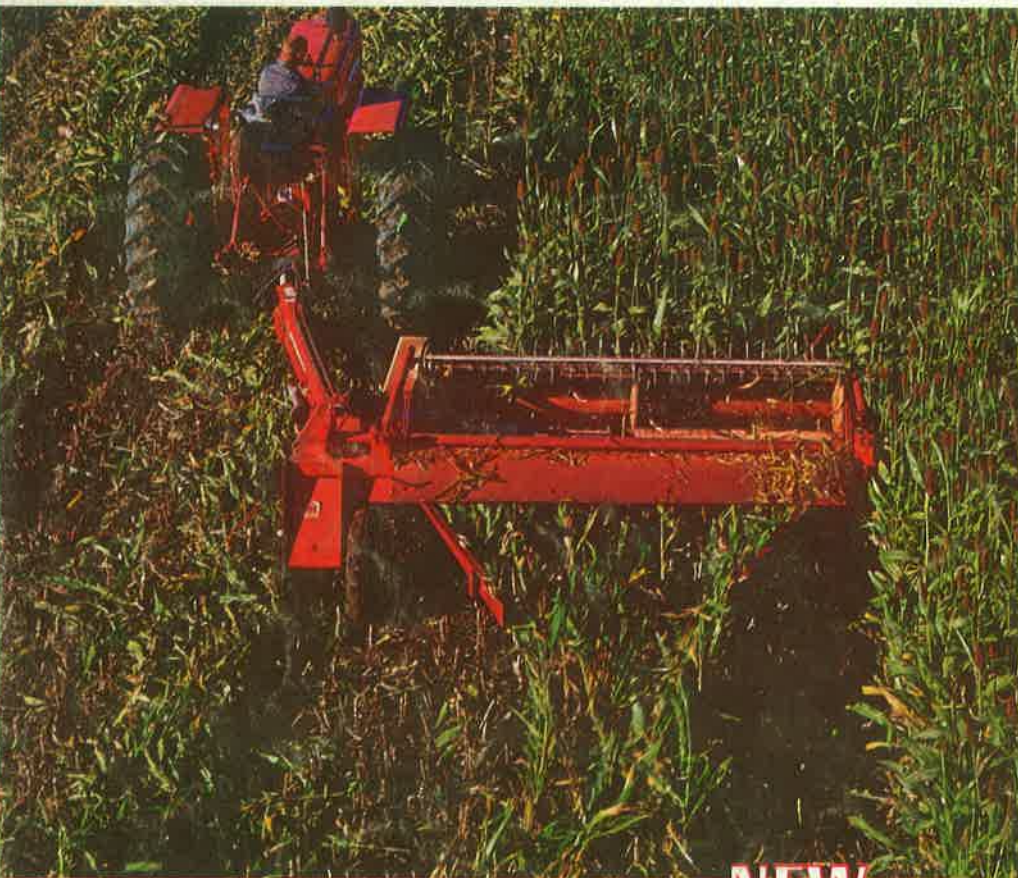


New skills for new equipment


IH servicemen are going back to school. They're learning new skills so that they can keep your modern farm equipment working at top efficiency . . . skills that will help you maintain high-speed, high-production operation.



IH ***First to serve the farmer***



NEW 990 MOWER-CODITIONER (see page 54)

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**INTERNATIONAL HARVESTER EXPORT COMPANY
CHICAGO, ILLINOIS, U. S. A.**

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