

1978 BUYERS GUIDE



International Agricultural Equipment





All across our land, American farmers, International Harvester and its dealers are working together in a common cause.

In 1978, more than ever before, we are united in a common goal: To continue to improve the efficiency and productivity of agriculture in this country.

However, today we are bound together not only on a national scale, but on a far-reaching global scale. And the reason is simple.

The world has come to rely on this country, and on you the American farmer, as the major source for food and fiber. This is a big responsibility.

How has this happened?

Over the past several decades, you've taken the responsibility to do what has been needed to increase production. You've purchased, rented or leased additional land. You've taken the lead in the application of fertilizers, herbicides and insecticides. You've conserved the land through sound programs. You've

become expert in the use of credit and finance. You're responsible for adding the word "agribusiness" to our language.

While you have been moving forward in your business, we too have been working to keep pace and to meet our commitments to you. We have invested many millions of dollars in engineering research and development to give you more efficient, more productive farm equipment. And like you, we do not intend to stand still nor reduce our efforts.

You are the model for the world in agricultural efficiency. And we are committed to working with you to keep you in that position.

American agriculture. Never easy. Never dull. Never quiet. Always moving ahead. A truly creative, model way of life, the envy of many throughout the world. We're grateful to be a part of it.

CONTENTS

Tractors	Pages 4-21	Harvesting Equipment	Pages 54-65
Tillage Equipment	Pages 22-33	Materials Handling	
Crop Production Equipment	Pages 34-43	Equipment	Pages 66-73
Hay & Forage Equipment	Pages 44-53	Power Lawn Products	Pages 74-77

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Specifications subject to change without notice.

TRACTORS





International Harvester is one of the few companies in the world that offers every size and type of tractor for modern farming—a tractor to fit the situation exactly, no matter what the requirement. Because of this extensive choice of power, you can select a model that's right for you now, or one that matches your expansion plans for tomorrow.

Series 86 tractors:

Most modern of all

In your mid-mount Control Center, you're right in the middle of the action, where you can control big power most effectively. Working your fields with one of these tractors, you'll experience an ease of operating convenience never before achieved in a farm tractor.

Hydrostatic drive tractors:

Exclusive with IH

If you use your tractor for an unusually wide variety of work, a Hydro model may be your best choice. They're the only farm tractors that offer an infinite choice of forward and reverse travel speeds, at any throttle setting.

4-wheel drive tractors:

Big power turn on

With the move to 4-wheel drive tractors increasing each year, one of the IH models may be exactly what you want. If you are investigating the practicality of 4-wheel drive, consider that IH also builds the high-capacity tillage implements to match, which means one-stop shopping.

Utility tractors:

standard equipped for the field

When you add a low-profile utility-type tractor to your fleet, why not get one that's equipped the way you want? Such as an IH model. Each one comes from the factory with an extensive list of standard equipment, so there are few options you'll even need to consider.

Tractor Size Selector

Model No.	Horsepower (PTO)	Horsepower (Drawbar)	Piston Displacement (Cu. In.)	Gear Selections	PTO Speeds
1586	161.5 hp*	140.6 hp***	436 diesel turbo	6F/3R 12F/6R Torque Amplifier	1,000
1486	145.7 hp*	127.0 hp*	436 diesel turbo	8F/4R 16F/8R Torque Amplifier	1,000
1086	131.4 hp*	116.2 hp***	414 diesel turbo	8F/4R 16F/8R Torque Amplifier	540 and 1,000
986	105.6 hp*	94.6 hp*	436 diesel	8F/4R 16F/8R Torque Amplifier	540 and 1,000
886	86.1 hp*	76.1 hp*	360 diesel	8F/4R 16F/8R Torque Amplifier	540 and 1,000
686	66.3 hp* 66.3 hp*	58.3 hp* 59.3 hp*	312 diesel 291 gasoline	5F/1R 10F/2R Torque Amplifier	540
Hydro 186	105.0 hp*	82.7 hp*	436 diesel	Hydro (Infinite)	540 and 1,000
Hydro 86	69.5 hp*	54.1 hp*	312 diesel	Hydro (Infinite)	540
4586	300 engine hp**	235 hp*	800 diesel turbo	10F/2R	—
4386	230 engine hp**	176.0 hp*	466 diesel turbo (intercooled)	10F/2R	—
4186	150.6 hp*	130.4 hp*	436 diesel turbo	10F/2R	1,000
674	61.5 hp* 58.5 hp*	55.9 hp* 53.4 hp*	239 diesel 200 gasoline	8F/4R Synchromesh	540
574	52.5 hp* 52.9 hp*	46.9 hp* 45.1 hp*	239 diesel 200 gasoline	8F/4R Synchromesh	540
464	44.4 hp* 45.7 hp*	39.9 hp* 42.2 hp*	179 diesel 175 gasoline	8F/4R Synchromesh	540
364	36 hp**	31 hp**	154 diesel	8F/4R	540
140	23.7 hp*	21.3 hp*	123 gasoline	4F/1R	540

*Official Test

**Mfrs' Est.

***Official test with radial tires

Series 86 tractors





Six of the most modern tractors introduced in this or any other decade. All with a mid-mount Control Center that puts you in the middle of the action. And a line of proven and advanced concepts that sweep away all earlier ideas about tractors, leaving only one decision: Which size of International you should settle on. You'll want to test drive at your earliest opportunity.

With the mid-mount Control Center on Series 86 tractors, you're seated in a position a full 1 1/2 feet ahead of where you're located on most tractors. Being well forward of the rear axle, you enjoy a smoother and more comfortable ride. Steering and maneuvering are easier because you're closer to the front wheels. Over-all control is better. You can stay "on line" in jobs where precise movements are important. No matter what work you're doing, you'll experience a new feeling of complete control over tractor and equipment.

"Welcome Inside"

Everything about a Series 86 Control Center says "welcome inside." You sit on a deluxe seat that can be adjusted to fit your dimensions. The steering wheel can be telescoped to just the position you prefer. Left and right hand consoles contain shifting levers and hydraulic controls. Plug-in type modular instrument cluster can be removed in seconds for easy servicing. A complete set of warning lights monitor all key systems for thorough protection. Digital read-out tachometer/speedometer is standard on Hydro 186, optional on other models.

Horizon-wide View

The view from your seat is horizon-wide. More than 43 sq. ft. of tinted glass gives you a feeling of open air visibility. Narrow side posts and frameless windows assure a good view to side and rear.

The automotive-type one-piece windshield is slightly curved to provide excellent view to the front. There's no bothersome distortion or reflection. And because the muffler is under the hood, there's only the narrow exhaust pipe out front.

Comfort Throughout

Truly modern conveniences make every hour you spend in the tractor seat more productive. Two big doors with flush-mounted handles let you enter or leave from either side. Windows open to admit fresh breezes. A heavy-duty pressurizer keeps out dust and expels heat. A self-purging filter is cleaned every time you slam the door. You choose your own temperature with a modern air conditioning and heating system. Louvers adjust to direct air flow where you need it most, even toward side windows to de-fog them in humid weather. And your dealer can install an AM/FM stereo radio, if you like.

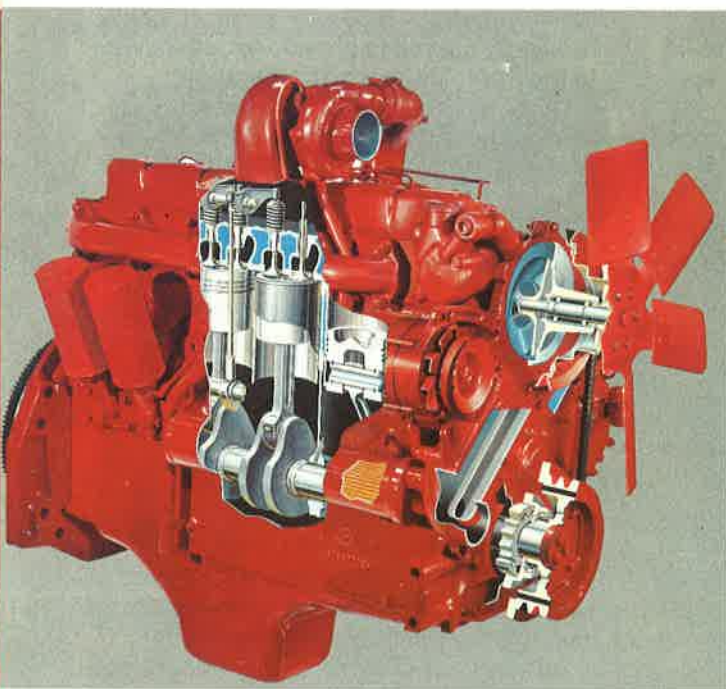
Quietest Ever

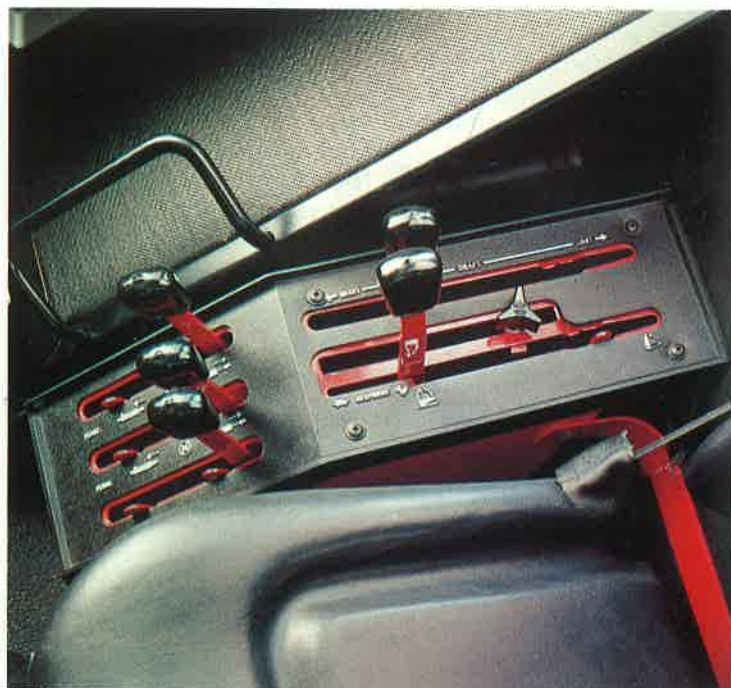
Inside the Control Center, you'll experience a quietness never before achieved on an International tractor. ISOMOUNT® isolators are used extensively to suppress vibration. Sound-smothering padding covers the entire platform. Sides and ceiling are lined with thick polyurethane foam and vinyl. The over-all result is a dramatic reduction in interior sound levels.

In the official tests of 1086 and 1586 tractors, sound level inside the Control Center was 78.5 dB(A), at maximum available power, marking a new low in noise suppression for International Harvester. It's your assurance of a more restful place to work!



Series 86 tractors





Loaded with features that give new meaning to the word "modern" in farm tractor design. A mixture of power, comfort and convenience that makes every Series 86 tractor extra productive from the first hour to the last.

Deep Power Reserve

IH diesel engines have won a reputation for dependability and productivity. Their superior torque-rise characteristics give you greater pull-through ability than from most other makes. You move into tough going without stalling and with less downshifting. That all adds up to more production every hour you're in the field.

On-the-go Shifting

Optional Torque Amplifier transmission gives you 16 speeds forward (12 on 1586) so you're sure of having just the speed you want, as you need it. And with TA you shift up or down without clutching, using a handy lever on the dash panel. Regular transmission shift levers are located on a console at the left side of your seat. This leaves your right hand free for operating other controls.

Wet Power Brakes

Multiple disc 8-in. externally mounted brakes and a wear warning monitor inside the Control Center are standard on all Series 86 tractors except the 1586 (single 19-in. internally mounted brakes and no wear warning monitor). Both types run in a bath of oil for maximum heat dissipation and long life. Brakes automatically equalize and adjust to compensate for wear.

Stop Spin-outs

With a wet differential lock you merely step on a pedal with your heel to direct power to both drive wheels. This long-life multiple-disc unit is constantly lubricated by oil. Optional on 886, 986, 1086, 1486 and Hydro 186.

Hydraulic Muscle

The torsion-bar hitch and remote control system give you versatility, convenience, speed and capacity. The simple 2-lever hitch control is console mounted at your right hand. Remote control levers are also located on the same console. Two valves are standard; third valve is optional.

Hydraulic-powered Clutch

Suspended from an overhead pivot, the hydraulic-powered clutch pedal requires only light foot pressure to operate. It's an exclusive Dyna-Life® clutch with cera-metallic pad facings and lasts up to five times longer than fiber-type clutches.

Excellent Lighting Pattern

Two lights up front, plus two on the front of the Control Center, lay down an illumination pattern that gives you exceptional visibility for night work. You also have two flashing amber warning/directional signal lights at the front of the control center. At the rear are two floodlights and two flashing amber warning/directional signal lights plus two reflectors.

Plug-in System

A receptacle at the back of the Control Center lets you plug into the tractor electrical system when you're using implements equipped with electrical devices and motors, or with implement warning lights for road travel.

Traction Booster

Fuel tanks are in the rear for added traction. They're huge molded tanks (plus snug-fitting auxiliary tanks) with a capacity up to 85 gallons. You fill both tanks through the same filler neck to save time and bother.

Series 86 tractors

International 1586 Tractor— 161.5 PTO hp*

The most powerful of the Series 86 two-wheel drive models is an ideal tractor for the man who demands maximum productivity along with the best possible working environment. The 1586 is the kind of tractor you can build your entire crop production system around. Every possible feature is included to make sure its high engine horsepower is turned into full

workpower in the field. A rugged planetary final drive system assures efficient use of this power, and also cushions the load on all drive train components.

Quick facts:

161.5 PTO hp, 6-cylinder turbocharged diesel, 436 cu. in. displacement.
Speeds: 12F/6R with Torque Amplifier.
1000 RPM PTO. Cat. III 3-point hitch (converts to Cat. II).

*Official test





**International 1486 Tractor—
145.7 PTO hp***

The 1486, with its hard-lugging diesel engine and unequalled operating convenience, is the kind of tractor you can depend on to make your operation more productive while making long days in the field seem much shorter. Its turbocharged diesel packs extra-deep reserve power for extraordinary lugging ability with heavy loads. The 1486 has 16 forward speeds

with Torque Amplifier transmission. You'll match forward travel to the job for maximum productivity in every condition you encounter.

Quick facts:

145.7 PTO hp, 6-cylinder turbocharged diesel, 436 cu. in. displacement.

Speeds: 16F/8R with Torque Amplifier. 1000 RPM PTO. Cat. III 3-point hitch (converts to Cat. II).

*Official test



Series 86 tractors

International 1086 Tractor— 131.4 PTO hp*

Here's a turbocharged tractor that's just right in size for handling the major work load of an average-acreage farm operation, or for the smaller operator who plans to rent or buy more land. The 1086 includes all the easy-handling characteristics designed into every Series 86 tractor. Mid-mount design features a Control Center that's unmatched anywhere for comfort

and visibility, and with controls designed especially for convenience. A field test will prove its worth. Also available in a Hi-Clearance model.

Quick Facts:

131.4 PTO hp, 6-cylinder turbocharged diesel, 414 cu. in. displacement.
Speeds: 16F/8R with Torque Amplifier.
540 and 1000 RPM PTO. Cat. III 3-point hitch (converts to Cat. II).

*Official test



1086



International 986 Tractor—105.6 PTO hp*

You'll look long and hard to find a tractor in this power class that offers anywhere near as much. It has every important feature of the bigger Series 86 models, and a high-performance, hard-lugging 436 cu. in. engine. It offers exceptional speed choices for handling all kinds of work from heavy tillage to lighter-duty cultivating. And as with all Series 86 tractors, a test drive will demonstrate operating

sophistication that exceeds that of any tractor in its class. Also available in a Hi-Clear model.

Quick facts:

105.6 PTO hp, 6-cylinder naturally aspirated diesel, 436 cu. in. displacement. Speeds: 16F/8R with Torque Amplifier. 540 and 1000 RPM PTO. Cat. II 3-point hitch (converts to Cat. I).

*Official test



Series 86 tractors

International 866 Tractor—86.1 PTO hp*
This is the mid-power tractor for taking on an amazing range of assignments. Sure to pay its way, and then some. It, too, has one of the IH-built diesel engines that are famed all over the world for lugging ability, durability and reliability. It has all the work speeds and the handling ease you'll ever want for working in the field, feedlot, or over the road. The Control Center with its heater, air conditioner and integral safety

frame is the best in this power class. And all are standard. The ROPS safety frame is optional.

Quick facts:

86.1 PTO hp, 6-cylinder naturally aspirated diesel, 360 cu. in. displacement. Speeds: 16F/8R with Torque Amplifier. 540 and 1000 RPM PTO. Cat. II 3-point hitch (converts to Cat. I).

*Official test





International 686 Tractor—66.3 PTO hp*

The 686 is the ideal size to serve as an additional power source where higher horsepower tractors are also available. However, in smaller operations, it's more than able to carry the full power load. You can buy it with your choice of engine, either gasoline or diesel. Both models have proved their capability for economy and reliability plus the ability to pour on the power as needed. The 686 comes standard-equipped with a protective

ROPS safety frame, hydrostatic power steering and Dyna-Life® clutch. A special Hi-Clear model is also available.

Quick facts:

66.3 PTO hp, 6-cylinder naturally aspirated diesel, 312 cu. in. displacement; or 6-cylinder naturally aspirated gasoline engine, 291 cu. in. displacement. Speeds: 10F/2R with optional Torque Amplifier. 540 RPM PTO. Cat. II 3-point hitch.

*Official test



Hydrostatic drive tractors

Only exclusive International hydrostatic drive lets you change ground speed, under load, without clutching or throttling—and with just one lever. Your choice of travel speeds is infinite within the entire range of governed engine speeds.

No other propulsion system gives you as many advantages in terms of operating ease and efficiency as International hydrostatic drive. To change ground speed, even under full throttle, you don't have to clutch or throttle back. One lever—the Speed Ratio Control—does it all. Move it forward or back to the position that

gives you the exact speed you want. Speed changes are smooth, precise and infinitely variable throughout the entire range. Because you can keep speed matched to working conditions, you generally can expect to accomplish more work per day, more work per gallon of fuel used. For example, you can keep full engine power on the PTO and hydraulic system, and yet slow down to a crawl when the going gets tough. You maintain peak machine efficiency as you move through the tough going—especially important with PTO equipment.



HYDRO 18G

Hydro 186—105 PTO hp*

Newest and biggest of the Hydro models, the 186 incorporates all of the features of the Series 86 tractors. It's equipped with a 436 cu. in. diesel that's unexcelled for lugging ability. It's an all-around performer that can be expected to carry the main workload in large, diversified operations. Standard equipment includes the mid-mount Control Center, heater, air conditioner, digital read-out speedometer/tachometer. Hi-Clear model also available.

Hydro 86—69.5 PTO hp*—diesel

The Hydro 86 includes all of the features you want for diversified farming, including many of those found on bigger International tractors. It's equipped with a fully proven 312 cu. in. diesel engine, famous for both fuel efficiency and high-torque rise characteristics. ROPS frame is standard. Hi-Clear model also available.

*Official test



Standardize on Genuine IH Filters

It doesn't make sense to try to stretch a few extra hours out of your old filters . . . or try to save a few cents by buying "will fits." You'll get protection only if they're changed at the interval recommended in your operators manual . . . and only if you select the proper filter recommended for your particular application. Your IH dealer is the only one who can give you the exact type of IH filter needed for your tractor. See him for lube, air, fuel, and hydraulic filters.



HYDRO 86

Utility tractors





Low-profile International utility tractors are fully equipped, as they're delivered to you, to head for the field or feedlot to take on a great variety of jobs. All are winners in nearly any operation—full or part-time duty.

Compare these utility tractors against others and you'll see that they offer you far more for the money you invest. They're equipped with many features you normally don't expect to get in tractors of this type. And every one of those extra-value features contributes to high-production performance and convenient operation. Included are such items as: Responsive, economical IH gas or diesel engines; lightning-flash synchromesh transmissions for fast, easy shifting; durable Dyna-Life clutches; compact final drives for hard-pull gear reduction; oil-bath hydraulic brakes for cool operation and long life; hydrostatic power steering for maneuvering ease; independent power-actuated PTO for precise control over powered equipment; rear fuel tanks for convenience and added traction; rollover protective structures for safety.



**International 674 Tractor—
61.5 PTO hp*— diesel
58.5 PTO hp*— gasoline**

At the top of the IH utility line, the 674 offers work capacity beyond what you'd expect from a tractor of its size. It's built for tillage, row-crop work, powering equipment, and for loading and other farmstead jobs. With its 8-speed forward lightning-flash transmission you can shift up or down without stopping to make fast work of jobs that require frequent shifting. The hydraulic system has plenty of capacity to handle front-mounted, rear-mounted and trailing equipment. Cat. II 3-point hitch. Standard or row-crop versions.

**International 574 Tractor—
52.5 PTO hp*— diesel
52.9 PTO hp*— gasoline**

The 574 is an all-around performer that can be a valuable addition to any farming operation. It has most of the same features as the 674, but has slightly less power. However, it has the ability to take on tillage, cultivation, PTO and loading work. Cat. II 3-point hitch. Standard and row-crop models.

**International 464 Tractor—
44.4 PTO hp*— diesel
45.7 hp*— gasoline**

The 464 is probably the handiest of all smaller utility-type tractors. It's equipped with basically the same features as the bigger 574 and 674, and offers similar convenience and performance. Cat. I 3-point hitch.

**International 364 Tractor—
36 PTO hp**— diesel**

Versatile workpower in a compact package. Easy handling, highly maneuverable for all kinds of work year-around. Cat. I 3-point hitch and constant-running PTO are standard.

International 140 Tractor—23.7 PTO hp*

Because of its offset Culti-Vision design and especially slow ground speeds, the 140 continues to be an excellent tractor for close cultivation of delicate, high-value crops. From your seat you can look down on the rows for precise control over gangs. Two models: Standard with 22-in. crop clearance; Hi-Clear with 27-in. clearance.

*Official test
**Manufacturer's estimate

4-wheel drive tractors



For 1978 there are three International 4-wheel drive tractors for you to select from. Each is designed specifically to fit the needs of the man who wants to move in and get his job done fast. In addition, your dealer has the International implements to match the power of these big tractors.

International 4586 Tractor—300 engine hp**

This is the most powerful of all International farm tractors. By turning out 235 drawbar hp*, the 4586 can handle your biggest equipment in all types of terrain and conditions. Its articulated design assures exceptional maneuverability for a tractor of this size. The engine is an IH 800 cu. in. V-8 turbocharged diesel built to the same high-quality, high-performance standards as IH 6-cylinder

diesels. The easy-shifting transmission has ten forward and two reverse speeds with plenty of choices in the tillage ranges for maximum productivity. Front and rear axles permit tread variations to match the requirements of row-crop work. The huge 170-gallon fuel tank lets you work all day without refill. Standard equipment includes the deluxe operator station with heater and air conditioner for all-season comfort.

International 4386 Tractor—230 engine hp**

The middle of the IH 4-wheel drive tractor fleet is also a tremendously productive power plant. With its 466 cu. in. turbocharged intercooled diesel, it turns out 176 drawbar hp*. Just as on the 4586, oscillating front and rear frames permit all four wheels

to stay on the ground through rough terrain for constant hard-pull, hard-drive power. Fuel tank capacity is 170 gallons. A 3-point hitch is optional. Tread width is adjustable for working in row crops. Deluxe operator station, heater and air conditioner all standard.

International 4186 Tractor—150.6 PTO hp*

The 4186 is equipped with a 436 cu. in. turbocharged diesel. Two-thirds of the tractor's total weight is over the front wheels when not under load; then under load, weight transfers to the rear wheels for better traction and pulling ability. Comfort cab, ROPS frame, heater and air conditioner all standard; 3-point hitch and PTO optional.

*Official test

**Manufacturer's estimate



TILLAGE TOOLS





A major influence on the quality of life on the farm has been the development of highly sophisticated, big-capacity tillage implements that not only have lightened the work load, but also have improved the productive capacity of the soil. With the most profitable crop production starting with superior seedbeds, specialized tools are called for—engineered to fit situations ranging from deep tillage to fine finishing operations. IH has long been a leader in the design and development of equipment that contributes so much to the increasing productivity of modern farming. So whatever your conditions, or the type and size of your operation, you'll find the answer to your tillage problems on the following pages.

Moldboard plows:
More models than ever

High-speed, high-clearance models to suit any size of tractor—from 1-furrow mounted for the small ones, up to a big 12-furrow flex-frame for the biggest 4-wheel drive giants. Available in mounted, 2-way mounted, semi-mounted and trailing types.

Disk harrows:
Every farmer needs one

Dependable, high-performance mounted and wheel-controlled tandem types in sizes up to 32 ft. 9 in., plus offset types in sizes up to 23 ft. 9 in.

Chiseling equipment:
Versatile performers

From deep-down subsoiling to shallow penetration, you'll find the right tool for the job from the broad line of International chisels and field cultivators. They're rugged and reliable, with construction and performance features you can count on for years of profitable performance.

Fine-finishing implements:
Build ideal seedbeds

You'll find just what you need within the IH line to put finishing touches to your seedbeds. A wide variety of types and sizes provide you with excellent choices for your cropping practices and soil conditions.

NEW FOR 1978



735 Vari-Width Moldboard Plow

Latest example of IH innovation in modern tillage tool development. Furrow cutting width can be varied hydraulically from 14 to 22 in. Proper line of draft is maintained automatically, an IH exclusive.

Mounted moldboard plows

For compact pick-up-and-go convenience, you can choose from a variety of sizes in four models. Whatever your soil or field conditions, there's one available to fit your needs and power.

450 Heavy-duty "Rock Plow"

This one is your best choice for non-stop plowing where the going is rough, as in rocky or root-infested fields. It's built tough to take hard going, and its automatic reset trip beams will keep you on the go with minimum time-wasting stops. Equipped with Cat. II 3-point hitch.

440 Medium-duty Plow

Equipped with reliable low-maintenance spring-trip beams, and with Cat. II 3-point hitch, with or without Quick-Coupler. You'll get maximum performance with a 440 in fields having few rocks or obstructions to contend with.

420 Economy Model

You'll get a lot of low-cost capacity with one of these popular models. They're equipped with dependable spring-trip beams, and are available in a wide choice of sizes. Cat. I 3-point hitch for 2 and 3-furrow sizes; Cat. II, with or without Quick-Coupler, for 3-furrow and larger sizes.

215 for International 140 Tractor

An excellent performer behind this little offset Culti-Vision tractor. Equipped with spring-trip beams and 1-point Fast-Hitch.

Model	No. of Bottoms	Furrow Spacing	Plowing Depth	Vertical Clearance
450	3, 4	16"	12"	30"
440	3, 4, 5	16"	12"	27"
420	2, 3, 4	14"	10"	27"
	2, 3, 4, 5	16"	10"	27"
215	2	14"	10"	24"
194	1	12"	8"	20"



Mounted two-way plows



155

International two-way plows are just the ticket for plowing irrigated fields, or for any other situation where you want extra smooth-surfaced seedbeds without dead furrows or back ridges.

155 Heavy-duty Model

Toughest of the International two-ways, and with choice of rigid or spring-trip beams (rigid only on 6-furrow.) Capacity-matched for big tractors, they're equipped with 3-point combination Cat. II and III hitch coupling for 4 and 5-furrow plows, Cat. III and IV for 6-furrow plows.

140 Medium-capacity Model

Also available with your choice of rigid or spring-trip beams, in sizes up to 4-furrow. Automatic 2-way gauge wheel serves for right and left-hand bottoms—stabilizes plowing depth. Cat. II or III 3-point hitch.

125 Economy Model

The ideal 2-way plow for tractors under 100 horsepower. Equipped with spring-trip beams, automatic 2-way gauge wheel and Cat. II 3-point hitch. Spring-loaded furrow wheel optional.



125

Model	No. of Bottoms	Furrow Spacing	Plowing Depth	Vertical Clearance
155	4, 5, 6	18"	14"	30"
	5	16"	14"	30"
140	3, 4	16" or 18"	14"	30"
125	3, 4	16"	12"	27"

Semi-mounted plows

Today's most modern high-clearance plows, including the new 735 with exclusive Vari-Width design. Adjustable pivoting hitches and automatic tail wheel steering on all models make them exceptionally easy to control for superior high-speed performance.

New 735 Vari-Width Plow

This is the world's first moldboard plow with variable cutting width, plus automatic line-of-draft adjustment. Cutting width can be hydraulically adjusted from 14 to 22 in. to produce the exact type of plowing wanted—from smooth surface and complete trash coverage at the 14-in. setting, to wide slabs that leave trash-faced ridges at the 22-in. setting, ideal for erosion control in the fall. Automatic adjustment assures correct line of draft at any cutting width. It has excellent trash clearance, making it a really effective "conservation-type" tillage tool. Choice of toggle-trip or automatic reset beams.

720 Heavy-duty High-clearance Plows

Husky, big-clearance models with the ability to keep going through heavy trash while plowing down to a foot in depth. Four to 8-furrow sizes, including 5 and 6-furrow sizes with 20-in. spacing for extra-wide furrow slices. Choice of toggle-trip or automatic reset beams.

510 Economy Model

Here's a plow that delivers quality performance in a variety of conditions—all at an economic price. It provides good trash clearance and is equipped with low-maintenance spring-trip beams.

Model	No. of Bottoms	Furrow Spacing	Plowing Depth	Vertical Clearance
735	5, 6	14 to 22"	12"	34"
720	4, 5, 6, 7	16 or 18"	12"	33"
	5, 6	20"	12"	33"
	8	18"	12"	33"
510	3, 4, 5, 6	16"	12"	27"
	4, 5	18"	12"	27"



Trailing plows

Models and sizes to fit every pull-type plow need, and they're all built to meet the critical requirements of high-speed, big-capacity farming. Select one that's capacity-matched to your tractor power and you can be sure of excellent big-acreage performance.

800 Flex-Frame Plow

The giants of the line, with up to 12 bottoms to take maximum advantage of your more powerful 4-wheel drive tractors. Exclusive patented IH Flex-Frame design with frame hinged in center to permit vertical flexibility over uneven ground surfaces for more uniform plowing depths. Choice of toggle-trip or automatic reset beams.

700 High-clearance Plow

A big performer with clearances especially well suited for plowing in heavy stalks or trash. Available with toggle-trip or automatic reset beams, and in sizes up to 9-furrow.

770 Economy Model

A trailing plow that provides excellent performance in most soil conditions. Features automatic reset beams. Reversible drawbar for on-land or in-furrow plowing. A special tandem hitch is available to let you double up two plows behind a larger tractor.

Model	No. of Bottoms	Furrow Spacing	Plowing Depth	Vertical Clearance
800	9, 10, 11, 12	18"	12"	33"
700	7, 8, 9	18"	12"	33"
	7, 8	16"	12"	33"
770	5, 6	16"	10"	30"



Tandem disk harrows



501



Here's a superior line of disk harrows that offers you everything you need for reliable, top quality performance and long-life operation. Whichever you choose, you'll benefit from the advantages of rugged torsion frame design, unit-built gangs and crimp-center disk blades.

501 Heavyweight—Non-folding and Folding Wing-types

Here's strength, weight and cutting capacity for your toughest tillage jobs. Big disk blades chop through tough stalks and pulverize hard clods as they penetrate as deep as 9-in. Main frame has rugged strength, plus flexibility to follow ground contours. Wing model folds hydraulically, features automatic wing latches.

490 Flexible, Hydraulic Folding Wing-Type

Industry leader in the larger flex-wings, with cutting capacities up to 32 feet to cover extra big acreages in a hurry. Wings flex up and down for uniform disking over uneven ground surfaces.

485 Hydraulic Folding Wing-type

This one handles the tough jobs at fast speeds. Self-locking wings, hydraulic power rear angling and hydraulic depth gauging.

480 Non-folding and Folding Wing-types

These dependable, deep-working disks have long been popular for thorough, once-over performance. And they've earned a well-deserved reputation for reliability. Wing-type folds easily with assist of counter-balancing springs.

475 Non-folding and Folding Wing-types

Here, you have a wide choice of popular sizes for economical, big-capacity performance. Wing-types are available with your choice of manual or optional hydraulic folding. Torsion frame design permits level disking in uneven terrain.



370 Non-folding Medium-duty

A lighter weight disk harrow with most of the same superior construction features found on the bigger, heavy-duty models. You'll get a lot of performance for your money with this one.

350 Non-folding Economy

The smallest of the wheel-controlled models, but an excellent performer in most soils. It also features many of the same design advantages found on the bigger models.

122 Fully-mounted

The 122 gives you pick-up-and-go convenience, plus maximum economy for smaller tractors and small acreages. And it has 4-way versatility: Choice of rigid tandem, flexible tandem, heavy-duty bush and bog, and light-duty bush and bog.

Model	Non-folding	Folding Wing	Blade Sizes	Blade Spacing
501	12'5" to 15'9"	20'8"	24 or 26"	10 1/2"
490		20'6" to 32"	20 or 22"	7 1/2 or 9"
485		19'1" to 23'4"	22 or 24"	9"
480	13'5" & 13'10"	18'7" to 23'4"	20 or 22"	7 1/2 or 9"
475	11'6" to 16'3"	17'5" to 21'	20 or 22"	7 1/2 or 9"
370	11'6" to 13'10" & 13'5"		18 or 20"	7 1/2" & 9"
350	9'1" to 11'6" & 10'6" & 12'		18 or 20" & 18 and 20"	7 1/2" & 9"
122 Mtd.	5'6" to 7'11"		18 or 20"	7 1/2 or 9"

Offset disk harrows

You'll like the clean, rugged design and big clearances of this outstanding line of offset disk harrows. They're ideal for deep tillage or for fine finishing of level, furrow-free seedbeds—and they'll keep going in heaviest trash. All feature IH unit-built gangs and break resistant crimp-center blades.

780 Extra Heavy Plowing Type

The 780 will cut heavy trash, even tough cotton stalks, while easily penetrating as deep as 14 inches. Built for extra heavy-duty work behind high horsepower tractors.

770—Regular and Deep-tillage

Two types, with difference in size and weight of frame members. Also, the deep-tillage type is available in choice of non-folding or folding wing models, and with larger optional 28-in. blades. Regular 770 is available in non-folding types only, and with maximum blade size of 26-in.

760 Non-folding for Medium Duty

Economical choice for working depths to 7 in., with performance that combines the advantages of both a tillage tool and a fine-finishing harrow. Same overall design features as in the heavier models.

Model	Non-folding	Folding Wing	Blade Sizes	Blade Spacing
780	12'1" to 15'10"	21'7"	30 or 32"	12"
770 Regular	10'4" to 13'8"		24 or 26"	10 1/2"
770 Deep Tillage	13'9" to 20'5"	20'5" & 23'9"	24, 26 or 28"	10 1/2"
760	12' to 19'9"		22 or 24"	9"



Chisel plows and subsoilers



55



645



45



11

From shallow penetration to deep subsoiling, there's an IH chisel-type implement to meet your needs. And they're all designed with features you can count on for highly satisfactory performance and reliability.

Parabolic Curve Shank Configuration
International chisel plow and subsoiler shanks are designed with a parabolic shape that lifts soil more vertically than other designs, resulting in a wider area of soil fracture. This design also provides for reduced draft, better penetration.

55 Chisel Plows
Popular for primary tillage, light subsoiling and secondary tillage. They're available with choice of rigid or cushion shanks—regular (25-in.) or high-clearance (32-in.)—and you can choose from mounted, trailing, high-clearance trailing, or trailing single and double-wing types. Wing-types are equipped with "walking-type" bogie axles for smoother work over uneven surfaces. Master and slave cylinder design eliminates cables, pulleys and rockshafts. Works down to 12 in.

Conser-Till Attachment for 55 Trailing Chisel Plows
Available in 10 and 13-ft. sizes to let you slice stalks and stubble, and deep-chisel, in one operation directly behind a combine. Cutting disks mount ahead of chisel shanks.

645 Vibra® Chisel
Vibrating shanks shatter soil as they penetrate 4 to 8 inches. Results are highly effective for heavy-duty field cultivating or shallow chiseling. Mounted, trailing, and trailing wing-types are available in a wide range of sizes.

45 Vibra Shank® Field Cultivators
Exclusive IH-design spring-loaded shanks penetrate from 3 to 7 in., while vibrating rapidly to tear out weeds, shatter and mix soil with trash. Designed with plenty of clearance to help prevent clogging. Available in mounted, trailing and trailing wing-types . . . and with a wide choice of ground-working tools.

11 Subsoil Chisel
Extra heavy-duty for deep subsoiling behind big tractors—125 hp and up. Available with rigid shanks, or with automatic reset trip shanks for rocky or root-infested soils. Rigid shanks penetrate to 24 in., automatic reset shanks to 18 in.

10 Subsoil Chisel
With choice of 27 or 33-in. rigid shanks, and for tractors up to 125 hp. Penetrates to depth of 20 inches.

Implement	Type	Sizes
55 Chisel Plows	Mounted 2-rank	7' to 15'
	Mounted 3-rank	7' to 17'
	Trailing Hi-clear	7' to 17'
	Trailing Single Wing	10' to 17'
	Trailing Wing Type	16' to 22'
Conser-Till for 55 Chisel Plow	Trailing	25' to 39'
645 Vibra® Chisel	Mounted	10' and 13'
	Trailing	9' to 15'9"
	Trailing Wing	13'6" to 20' 17' to 41'6"
45 Vibra Shank® Cultivators	Mounted	8'6" to 19'4"
	Trailing	8'6" to 19'4"
	Trailing Wing	22'6" to 38'3"
11 Subsoil Chisel	Mounted	15'4"
10 Subsoil Chisel	Mounted	8'3" to 15'4"

Soil conditioning tools





Whatever your soil-conditioning or fine-finishing needs, you'll find something here to help you prepare more productive seedbeds. Check the wide variety of types and sizes available, providing you with excellent choices for your particular cropping practices and soil conditions.

356 Spring-tooth Harrow— 8-wheel Trailing

The really wide one—up to 60 ft. Built in 5 hinged sections to flex with ground contours. Automatic wings fold rearward for easy transport. Highly productive with big tractor power.

354 Spring-tooth Harrow— 6-wheel Trailing

Similar to the 356, but with 3 hinged sections, and in sizes up to 39 ft. This one also has automatic rearward-folding wings.

352 Spring-tooth Harrow— 4-wheel Trailing

Economical model in sizes up to 27 ft. Most design features are similar to the 356 and 354, but wings fold forward manually for transport.

401 Spring-tooth Harrow— Economy Model

This one is different—features joined-type 4-ft. sections with manual tooth control for use with drag-type drawbar or 15 hydraulic implement carrier, depending on size.

350 Vibra® Tine Harrow

S-shaped vibrating tines do an excellent job of conditioning soil into fine seedbeds. Available in non-folding and folding wing-types, both fully mounted for pick-up-and-go convenience.



10 Coil-tine Harrow

Vibrating double coil tines are ideal for final seedbed preparation and weed eradication. Built in 6-ft. sections . . . and you can mount up to 7 sections on the IH 310 wheel-controlled drawbar for a total of 42 ft.

9 Peg-tooth Harrow

Staggered teeth mounted in 6-ft. sections cover ground completely. Available in 3 types—flexible open-end, rigid open-end, and rigid closed-end. Drag-type drawbars for up to 4 sections, or 310 wheel-controlled drawbar for up to 7 sections.

315 Packer-Mulcher

A single pass turns plowed ground into a fine, ready-to-plant seedbed. Roller packer wheels (notched or crowfoot on front, notched on rear) and center-mounted ranks of spring teeth provide combination of clod crushing . . . soil loosening . . . and firming action. Non-folding and folding wing-types.

468 Seedbed Conditioner

Designed with spiral reels in front to cut down beds and chop stalks, peg-tooth sections in the center to further pulverize and loosen soil, and rear smoothing boards to level the surface. A special tooth attachment (spring or Vibra-Shank) is available for mounting up front to pre-condition soil ahead of the other units. Available in 4 and 6-row non-folding; 6 and 8-row folding sizes.

Implement	Model and Type	Sizes
Spring-tooth Harrows	401 Trailing 352 Trailing 354 Trailing 356 Trailing	8' to 20' 18' to 27' 30' to 39' 48' to 60'
350 Vibra® Tine Harrows	Mounted Mounted Wing	10' to 14' 18' and 20'
Peg-tooth and Coil-tine Harrows	9 Peg-tooth 10 Coil-tine	6' to 42' 6' to 42'
315 Packer-Mulcher	Trailing Trailing Wing	12'4" to 15' 20' or 25'
468 Seedbed Conditioner	Trailing Trailing Wing	12'6" or 19' 19' or 25'6"



Sweeps, Shovels, Spikes, or Chisels

Lower costs through longer wear . . . that's the promise we make when we supply you with genuine IH sweeps, shovels, spikes, chisels, or other cultivator tools. And you can be sure that promise will be delivered because International Harvester is the only company that controls the quality of its ground working tools all the way—from the steel mill to the factory. We have a complete selection of all the types and sizes used in your locality.

CROP PRODUCTION EQUIPMENT





Full, uniform crop stands and weed-free fields can make a man mighty proud of his farming ability. And while full stands and clean fields are an attractive sight, most importantly they set the stage for maximum yields and profits. Therefore, you won't want to settle for second best when you select your planting and cultivating equipment; you want to choose from a line you can count on for totally reliable, precision performance. We believe that line should be International.

International crop production equipment can help you achieve maximum results from your efforts. It's designed to provide everything you need to take advantage of the latest in recommended farm practices, with types and sizes to fit every type and size of farm operation.

Planters:

Wide choice of models

Choose from today's most modern line of air-powered planters—International Cyclo® planters—for maximum planting efficiency with unmatched simplicity. They're available in 4 to 16-row sizes, and in trailing, tool bar, flex-bar, and lister types. Or, if you prefer, pick one of the popular plate-type planters in 2 to 8-row sizes.

Grain Drills:

Several types available

End-wheel, press, shovel press and hillside types with spacings and equipment for an exceptionally wide range of seed varieties and sizes—from tiny grass seed to big kidney beans—including models to help you get top results from drilled soybeans.

Cultivating Equipment:

Matches your planting program

Front-mounted and rear-mounted cultivators in sizes up to 16 rows and with tooling choices designed for specific needs or preferences. And don't forget rotary hoes for low-cost soil stirring and weed eradication that can help get crops off to a good start.

NEW FOR 1978



500 Hydraulic Folding Cyclo® Planter

Big 6-row wide to 12-row narrow 500 tool bar planters, now with hydraulic folding wings for transport convenience. Wings fold over-center for extra stability and safety. Flexibility is built into 8-row wide and 12-row narrow sizes so ground units can follow ground contours closely.

Cyclo[®] planters





International performance proven, air powered Cyclo planters with Posi-Depth system are unmatched for simplicity, accuracy and reliability. They are available in trailing, mounted or semi-mounted models in sizes to match your acreage and growing practices.

Whatever crops you grow, the Cyclo planting system can shorten spring planting time. The air-powered seed delivery lets you plant to the population you want. And you can forget about buying sized seeds, changing plates or cleaning out hoppers when changing seeds. One metering system does it all.

The Cyclo planter has only three moving parts—blower, seed drum and seed release wheels. It has one (two on 12 and 16-row models) centralized 11-bushel seed hopper that is easier to fill and cuts down on refill stops to save planting time.

The Posi-Depth gauging system includes an attachment with a gauge wheel on each side of the seed drop for positive control of seeding depth when planting in uneven fields. The International grey-iron "frog" on runners or double disk openers, helps your crops get off to a faster start. The "frog" firms the seed furrow, eliminates air pockets, surrounds the seed with moist soil to speed germination.

You switch crops in minutes with the Cyclo planter because all you do is change seed drums. Stainless steel drums are available for corn, soybeans, acid delinted cotton, sorghum, pelleted beets, raw beets, popcorn and several varieties of edible beans.

For peace of mind at planting time, all Cyclo planters, except the 500 Flex-Frame, are standard equipped with electronic seed flow monitors. The 500 Flex-Frame features Cyclomitor II, the most advanced of all monitors, offering digital readout and a constant check on all planter functions. The Cyclomitor II and Cyclomitor I are

available as options on other Cyclo planters.

400 Cyclo Trailing Planters

The simple, accurate and totally reliable trailing planter with your choice of double disk or runner openers. The alternating markers are hydraulically operated. Optional equipment includes big-capacity dry or liquid fertilizer units and granular chemical applicators. The 8-row models have endwise transport as standard.

500 Cyclo Tool Bar Planters

Cyclo planting teams up with tool bar mounting to give you close-coupled convenience. Ideal for narrow headlands, odd shaped fields and fast transport. The 12-row model is equipped with two Cyclo modules. Double disk or runner openers and hydraulically operated alternating markers. Granular chemical applicators optional.

New 500 Cyclo Hydraulic Fold Planter

Here's everything you want for big-capacity planting. Close coupled tool bar mounting. Pin adjusted gauge wheels (and assist wheels on 12-row) for planting on beds, on the flat or in the furrow. Hydraulically folded wings make transport simple and fast. 8-row wide and 12-row models flex to follow ground contours . . . have exclusive 2-stage cylinders that automatically raise the wings 5° when the assist wheels raise the planter for turns. Hydraulic markers are electrically controlled from the tractor cab. Granular chemical applicators optional.

500 Cyclo Flex-Frame Planters

Our biggest planter goes 12 wide rows or 16 narrow rows. It has two Cyclo modules and flexes in the middle to give you uniform planting depth in rolling and uneven ground. Double disk or runner openers, hydraulically operated alternating markers and endwise transport.

92 Cyclo Lister Planter

Lister planting with air-powered Cyclo means greater accuracy and faster operation. With rotary moldboards, turnbuckle adjusted gauge wheels and hydraulically operated markers. Endwise transport standard on 8-row wide. Dry fertilizer and granular chemical applicators optional.

Model	Number of Rows	Row Spacing
400 Trailing	4	28" to 40"
	6	36", 38" or 28", 30"
	8	36", 38" or 30"
500 Tool Bar	6	36" to 40" or 22" to 30"
	8	36" to 40" or 28", 30"
	12	28", 30"
500 Hydraulic Fold	6 or 8 8 or 12	36" to 40" 28", 30"
500 Flex-Frame	12 16	36" to 40" 28", 30"
92 Lister	4, 6 or 8 6 or 8	36" to 40" 30"

Plate planters/middlebusters/tool bars





International conventional plate planting equipment is available in the type and size to match your growing practices. Pull-type trailing planters and planter carriers available.

56 Trailing Planters

This popular cotton and corn planter provides accurate planting because planter units float independently to follow ground contours. Centralized drive won't slip, means positive planting rates and fertilizer application. Exclusive International "frog" firms the soil over the seed for better germination. The 56 planter is available as a drill with runner or double disk openers in 2, 4 or 6-row sizes or as a hilldrop planter with high-speed rotary valve and runner openers in a 4-row model. Dry fertilizer and granular chemical applicators available.

87 Rear-mounted Blackland Planter

This drill planter gives you uniform, precision planting, even on imperfect beds because it has centralized, positive drive, independent planting units and a frame that both supports the seed hoppers, and also acts as a gauge. Blackland sweeps and shovel openers. Planting equipment for cotton, corn and sorghum, plus rotary cone for peanuts. 75-lb. seed hoppers.

300 Planter Carrier

This sleek, strong planter is available with either 295 or 386 planter units. The 5 x 7-in. tubular steel main frame gives it big acreage strength without excessive weight. 14-in. carrying wheels adjust four ways for planting on beds or flatland. Endwise transport standard on the 8-row wide model. Cat. II or III 3-point or 2-point Fast-Hitch.



295 Planter Unit

Drill type, all-seed specialist for mounting on tool bars or as regular equipment on the 300 planter. Fully enclosed drive chains let you change planting rates by changing sprockets. Parallel linkage with 13 1/2-in. double disk openers. Extra-strong wheel frames support optional granular chemical units. With 30-lb. fiberglass seed hoppers, 75-lb. optional.

386 Planter Unit

Straight drill or precision, rotary valve hill-drop units are available for tool bar mounting or as regular equipment on the 300 planter. Husky parallel linkage and extra-strong frames means straight-line planting in rough, uneven fields. The 386 has your choice of runner or double disk openers and takes cotton or corn bottoms as well as the rotary cone for peanuts and other large seeds. Granular chemical applicators optional. With 75-lb. hoppers.

92 Flexible Middlebuster

Terraces or rolling fields pose no problem for this flexible middlebuster. Individual parallel linkage permits bottoms to move up and down with contours to maintain uniform working depth. Rugged tubular steel main frame and turnbuckle adjusted carrying wheels. Endwise transport attachment available for 6 through 9-row sizes. Cat. II or III 3-point or Fast-Hitch.

82 Middlebuster

Rugged 190 x 260-in. rectangular steel main frames handle a wide choice of equipment and work as wide as 9 rows. Turnbuckle adjusted, front-mounted gauge wheels provide wide range of working depths. The 82 may be equipped with either regular or Cyclo planting equipment for 6 or 8 wide rows. Endwise transport available for 6 through 9-row sizes. Cat. II or III 3-point or Fast-Hitch.

Cyclo Planting Equipment for 82 Middlebuster

Includes 11-bushel centralized hopper, choice of stainless steel seed drums, drum drive, runner openers with pin-break shovel coverers. Electronic monitor optional. For 6 or 8-row, 36 to 40-in. wide.

25A and 26 Tool Bar Carriers

Available for attaching single 2 1/4 or 2 1/2-in. square tool bars of desired lengths. The 25A is for Cat. I 3-point hitch, the 26 Carrier is for Cat. II hitch.

28 Tool Bar Carrier

For attaching double 2 1/4 or 2 1/2-in. solid tool bars. Includes a Cat. II 3-point hitch and is for tractors up to 100 hp.

Model	Number of Rows	Row Spacing
56 Trailing Planter	2 and 4 6	28" to 40" 28", 30"
87 Blackland Planter	4 and 6	38" to 40"
300 Planter	6 and 8 8	36" to 40" 28", 30"
295 Planter Unit		14" and up
386 Planter Unit		20" and up
92 Flexible Middlebuster	5 thru 9	36" to 40"
82 Middlebuster	5 thru 9	36" to 40"

Grain drills

Rugged construction, precision International fluted-roll seed cups and design features like the patented drop-bottom fertilizer hopper that is unequalled for easy clean-out . . . these are just a few of the reasons for the popularity of IH grain drills. You accurately drill crops to the stand you want, and get season-after-season reliability.

620 Press Drill

This big capacity drill means more productive seeding, less time lost for refill stops. Big 2.9 bu. per foot plain grain hoppers or combination hoppers give you four different grain-fertilizer ratios. Zigzag double disk openers with front delivery place seeds in the bottom of the furrow for fast germination. Two and three drill hitches are available to let you seed up to 42 feet wide in a single pass. Multiple drill transport attachment makes travel between fields fast and easy.

510 Grain Drill

Conventional end-wheel drill combines big grain and fertilizer capacities for top performance. Plain hoppers hold 2.4 bu. of grain per foot and dual combination hoppers give a choice of two different grain-fertilizer ratios. Choose from three different openers to drill according to your conditions. Tilt-wheel models are available for drilling on beds, and the 13 x 7 size is also available as a semi-mounted drill for 3-point hitch mounting.

150 Shovel Press Drill

The 150 is ideal for drilling in trash because the Eagle-Beak points deposit seeds at any depth down to 8-in. Equal-length drawbars maintain the same pitch for all openers, both ranks penetrate the same regardless of working depth. High speed, slim-line spring-trip openers are staggered for better trash clearance. Big 1 $\frac{3}{4}$ bu. grain per foot capacity. Choice of press wheels to meet a variety of conditions.

150 Hillside Shovel Press Drill

Built to seed in heavy trash, the 150 drill's Eagle-Beak points penetrate as deep as 8-in., with little disturbance of ground cover. Split press wheels pack soil around seeds for fast germination, leave trash-laced ridges that conserve moisture while resisting wind and water erosion. Dry fertilizer attachment available.

Model	Sizes
620 Press	14 x 6, 16 x 6, 20 x 6, 14 x 7, 20 x 7, and 24 x 7
510 End-wheel	13 x 7, 16 x 7, 18 x 7, 21 x 7, 20 x 6, 24 x 6, 16 x 8, 20 x 8 and 16 x 10
150 Shovel Press	10 x 10, 10 x 12, 10 x 14, 14 x 10, 14 x 12, 16 x 10, 20 x 8 and 8 x 12
150 Hillside	8 x 18



Rotary hoes



Built to operate at high speeds while using a minimum of fuel for every acre covered, International rotary hoes give you inexpensive early cultivation of row crops. Get them in mounted or pull-type models in the size you need.

Hoe Wheels

International hoe wheel design makes the difference that means effective cultivation and long operating life. Big 21-in. wheels have an offset tooth arrangement that aggressively works the soil every 2½-in. Hubs are extra-wide to stabilize the wheels and to prevent wobble. Hoe teeth are exclusively designed to give quick, positive penetration. Chisel-sharp points enter the ground in a vertical position for maximum shoveling action and pulverization. The teeth wear-in on the backside for a self-sharpening action that maintains like-new performance.

300 Mounted Hoes

These easy-to-handle, big capacity mounted hoes give you fast, economical weed killing and crust breaking action. Four rugged main frame tool bar lengths and combinations of 54 and 48-in. sections provide 21 different working widths up to 8 wide rows. Each hoe section is carried independently for contour following flexibility. Vertically adjustable gauge wheels and endwise transport are standard on hoes 248-in. and larger. Cat. II 3-point or Fast-Hitch.

4 Pull-type Hoes

These low-cost hoe units come in 42 and 48-in. sections and can be used with trailing drawbars, mounted-type drawbars or hydraulic implement carriers. Mix and match as many as four sections to handle up to 6 narrow rows.

Model	Working Widths	Number of Rows
300 Mounted	163 to 320"	4 to 8 wide
4 Pull-type	126 to 192"	4 to 6 narrow
4 mounted	126"	4 narrow

Cultivators





International cultivators have high-strength main frames, parallel-link gangs and precision bearing gauge wheels—for effective, dependable work season after season. All with a wide choice of tooling for fast, clean cultivation in your particular soil conditions.

133 Rear-mounted Vibra Shank® or Vibra® tine Cultivator

Simple design, rugged construction and convenient hydraulically folded wings on larger models make the 133 ideal for high-speed work. Choose either Vibra tine or Vibra Shank tooling for deep stirring, vibrating action that knocks out weeds, shatters clods and leaves the soil smooth and level. Parallel link design holds gangs row-straight but permits flexing to follow contours. The wings on large models, 6 rows wide through the big 16 row narrow, fold up hydraulically for fast, easy transport.



153 Rear-mounted Cultivator

This sleek cultivator, in 4 and 6-row sizes, combines clean design with rugged strength. Single parallel-link gangs between each row. Rolling guide fins assure stability at high speeds. Sweep or spring-tooth tooling.



**Peak operating efficiency.
Full capacity performance all season long.**

How much are these worth to you? Surely they're important enough to take a long look at UPtime Service . . . International Harvester's new approach to equipment maintenance. UPtime Service will assure an absolute minimum of downtime and give you every possible chance of full capacity performance all season long.

85 Front-mounted Cultivator

This high-production cultivator gives you great crop clearance and follows rows closely, even in rolling ground. Wing sections flex up and down over contours while parallel-link gangs float individually to work at even depth. High-strength tubular steel frames are built to clear tractors with either tricycle front wheels or big tires and wide front axles. Swing-frame allows fast, drive-in mounting and quick removal. Frame folds forward for narrow transport and storage.

78 Front-mounted Cultivator

This rugged cultivator has plenty of clearance for mounting over big 11:00-16 tires and wide front axles. Bridge-type, heavy-duty frame and row-holding parallel-link gangs with depth maintaining gauge wheels. Fast, easy mounting—just three bolts on each side secure it to the tractor.

144 Cultivator

One-row cultivator that's designed for fast clean cultivation of corn, cotton, potatoes and other crops spaced 40 to 68-in. apart. Available with a wide selection of tooling. Mounts quickly and easily on International Cub and 140 tractors.

200 Cultivator

Low-cost cultivator with rigid gangs and row holding rolling guide fin. Rugged toolbar frame also handles planter and fertilizer units for real economy. For Cat. I 3-point hitch tractors.

70/170 Lister Cultivator

This "go-dig" is built for clean work, dependable operation. Individual ground working units have two disks, two 4-in. sweeps, tent-type shield. Steel guide wheels and disks with sealed, precision ball bearings. Precision adjusted sweep depth.

Model	Number of Rows	Row Spacing
85 Front Mounted	6 and 8 8 and 12	36" to 40" 28", 30"
78 Front Mounted	4 6	36" to 40" 28", 30"
133 Rear Mounted	4 6 and 8 12 16	30" to 40" 24" to 40" 28" to 40" 28", 30"
153 Rear Mounted	4 6	28" to 40" 22" to 30"
144 for Cub & 140	1	40" to 68"
200 Rear Mounted	2	26" to 42"
70 Lister	4	36" to 40"
170 Lister	6 8	36" to 40" and 30" 30"

When you go to your dealer for UPtime Service, he'll inspect your equipment thoroughly; he'll repair any parts or components needing repair; he'll replace those parts likely to fail during the coming season; he'll lubricate your equipment and make all needed adjustments for top operating efficiency.

HAY AND FORAGE EQUIPMENT





The way that you handle your hay and forage processing can make a big difference in the profitability of your livestock or dairy enterprise. Ideally, your system should be completely coordinated, with each item of equipment capacity-matched to the others; and with the entire system matched to the type and size of your operation. It may pay you to purchase enough reserve capacity to handle emergencies or to allow for future expansion. But whatever you need—an entire system, or a single piece of special equipment—keep in mind that International Harvester offers a line of high-performance equipment.

Hay balers:

Round and rectangular types

Whether your system calls for big round bales, or conventional rectangular bales, there are several International choices for you.

Hay tools:

Handle your crop gently

Mowers, rakes, mower-conditioners—again you have a choice of models to match the capacity of your baling equipment. You can expect years of field service from these high-quality hay-saving IH tools.

Forage harvesters:

Big capacity all the way

Two sizes, each with modern finger-tip electric controls for maximum operating convenience, provide profitable capacities for both average size and large operations. Quick-attach interchangeable row crop and windrow pickup crop units.

For maximum economy, there's also the new 10 flail chopper with many uses.

Forage handling equipment:

Keep your crop moving

Eliminate the bottlenecks in your forage handling system by adding a big-capacity International power forage box and blower. They keep the crop on the move from field to silo.

NEW FOR 1978



10 Flail Chopper

A newly designed machine with highly functional features you can count on for reliable, versatile performance. It's not only excellent for economical forage chopping, it's also useful for shredding stalks and general clipping jobs. Modern, up-to-date design, with sheet metal and shielding in compliance with latest safety standards.

Bigroll balers



Here's the one-man hay system that saves you time and money from the windrow to the feedlot. Savings start with International big round baling and continue with power equipment to load, carry and unload big round bales automatically.

The International 241 teams up with a medium-powered tractor to give you one-man hay handling that is second to none in time and labor savings. The 241 is fast and dependable for the best in big round bales. Its simple rugged design means long life performance and low maintenance.



You get solid, 6-ft. diameter bales holding up to 1500 pounds of hay. They preserve hay quality longer because the cores are loose to permit air circulation, while the tightly wrapped outer surfaces shed water and resist wind.

Here are some of the features that make the 241 an outstanding performer: The exclusive vertical hitch adjustment maintains level baler operation for better formed bales. The 78-in. wide pickup has closely spaced tines to sweep the field clean. An exclusive tracking system keeps the lower belt in true alignment for longer

life, and the upper rubberized belts are individually replaceable.

You get fast, convenient operation, too. After bales are formed, they are power ejected behind the machine so you can simply lower the gate and start a new bale.

30 and 50 Bale Movers

These International bale movers simplify the picking up and moving of big round bales from field to feedlot. Just slide the mover's front forks under the bale, tilt them back, and a pintle chain carries the bale to the back as you drive to the

next bale. It's all automatic, non-stop and one man does it all without leaving his tractor seat. The 30 has two wheels and the 50 has four wheels with walking beam axles.

Model	Size
241 Bigroll Baler	up to 6-ft. dia., 1500 lb. bales
30 Bale Mover	3-bale capacity
50 Bale Mover	5-bale capacity



Rectangular balers

International 400 Series balers offer up to 19 tons per hour capacity for the finest in conventional baling. Choose twine or wire-tie models for fully packed, tied-right bales.

International balers give you high capacity, trouble-free performance. From the 65-in. wide pickup to the all-welded plunger, these balers are designed to give you more full-packed, uniform bales. A straddle mounted crank delivers 4,800 pounds of force in a straight line for real bale-packing power. The plunger is suspended from three points with six sealed ball bearing rollers so it runs truer, requires fewer adjustments and is extremely quiet in operation.

The International 3-phase twine knotter is the most dependable on the market. It ties bow-type, double diameter knots that are up to 17% stronger than the single diameter knots tied by most balers. Tying parts are chrome plated to resist rust, stay smooth and last longer.

Wire balers make double thick, 4-wire twists that hold bales tight and secure. Wire contacting parts are made of tough high-carbon steel or long-wearing Stellite.

You can get a 400 Series baler in your choice of three models.

435T Twine Baler

Gives you top baling performance in most hay crops. Equipped with 2-knuckle PTO, 4-bar pickup with 80 teeth. Manual top and bottom bale tension adjustment.

445T Twine Baler

This custom-type model has a large diameter auger, a 6-bar pickup with 120 teeth, plus a gauge wheel. It is built for exceptional baling in hay and hard-to-bale crops like cane, sudax and millet.

445W Wire Baler

Similar to model 445T, but with the International wire-tying system for strong, 80-lb. bales.



IH Quality Twine

Made to exacting IH specifications. IH twine is designed to get the best possible performance from your baler and keep you moving when time counts.

Plastic twine lets you get going without making major knottor adjustments. It has the highest knot strength and is ideal for outside storage because it won't absorb water.

Sisal twine provides excellent freedom

from knot and miss problems. Made in the U.S., it features uniform thickness throughout, without the "bunches and swells" found in many bargain twines. It's treated with rodent repellents and rot inhibitors for long life.

We also carry Harvester Special Twine, the most uniform imported sisal twine on the market. It has high knot strength, and adapts to any baler.



Mowers/rakes/mower conditioners



Balanced Head Mowers

Glide through crops at speeds as high as 8 mph. Wrist-action balanced head drive permits fast, short, powerful strokes for superior cutting in any crop. Controlled vibration and 2,000 strokes per minute knife speed mean fast, plug-free mowing. Cutterbar with automatic and adjustable break-away protection. Your choice of 1100 trailing or 1300 mounted models.

990 Mower Conditioner

Here's the machine that will handle your heaviest crop, get you in and out of the field faster. You get clean cutting and complete conditioning to speed drying and preserve hay quality. One steel and one rubber roll automatically adjust to crop volume to thoroughly and gently condition. The exclusive International roll-opener lets you clear slugs from the tractor seat should a plug-up occur.

Windrow Placer Attachment

Enables your 990 to place windrows in close-together pairs for one-pass baling or chopping. You simply flip a switch from the tractor to electrically change the deflector sheets to the right or left.

35 Rake

Its parallel bars and 95 teeth gently rake a 9-ft. swath into a loose, fast-drying windrow. Teeth are triple grouped to give you a fine combing action that gets all of the crop. Ground driven from both wheels for smooth positive raking in rough field conditions and while turning. Also available with hydraulic drive.



Model	Size
400 Series Balers	up to 19 tons per hour
1300 Mounted Mower	7' and 9'
1100 Trailing Mower	7' and 9'
990 Mower Conditioner	7' and 9'
35 Rake	-9' swath

Self-propelled windrowers





Whatever crops you windrow—hay, grain or both—you'll like the way International windrowers let you cover more acres per day, give you fast-drying, well-formed windrows, plus exceptional operating convenience and easy servicing.

High speed performance, greater operating comfort, convenient controls, easy servicing and maintenance . . . you get them all in an International windrower. A long wheelbase, 4-wheel stance and rear-located engine give you sure-footed balance in rolling or rough terrain. Low profile headers adjust hydraulically on the go to match crop conditions. The exclusive over-shot auger on hay machines floats the crop over the auger for lighter, fluffier windrows.

Season after season dependability is assured by features like all-welded chassis and frame, oil bath precision knife drive, no-belt power train, worm and trunnion steering and powerful gas or diesel engines. Service check points are easy to reach. With no belts in the drive train and only one to the header, maintenance is minimal.

Both models are easy and comfortable to operate because decks or cabs are roomy, permit unrestricted visibility in all directions. The seat adjusts to your weight and all controls are within easy reach. One lever gives you hydrostatic, infinitely variable speed control. Foot pedals control header and reel.

4000 Windrower

Get it either as a grain machine with draper header and bat reel, or as a combination hay/grain machine with a draper header, hay conditioner and pick-up reel. You also can get the 12 or 14-ft. single overshot auger header with integral hay conditioner for your hay crops. The 4000 has hydrostatic drive and is powered by a 64 horsepower, 6-cylinder gasoline engine. A pressurized cab is available. Air conditioning, optional.

5000 Windrower

Basically a hay machine, the 5000 is equipped with the single overshot auger header and integral hay conditioner. A draper-type header with bat reel is also available, and it can be installed easily in place of the auger header and pick-up reel. You also have a choice of 68 hp, 6-cylinder gasoline or 4-cylinder diesel engines for efficient, dependable power to keep you going in demanding conditions.

The 5000 also is equipped for maximum operating comfort and convenience. Standard equipment includes the pressurized cab, steering wheel with tilt console, deluxe operator's seat with swing-away arm rests, complete lighting system with turn signals. Air conditioning for the cab is optional. In addition, you can get the diesel model with a hi-lo range hydrostatic drive which provides a faster transport speed range to go with its efficient range of working speeds.

Model	Size
4000 Grain Windrower	16½', 19½', 24½'
4000 Hay/Grain Windrower	10½', 12½', 14½', 16½'
5000 Hay Windrower	12' or 14'
5000 Hay/Grain Windrower	10½', 12½', 14½', 16½'

Forage harvesting equipment





Profitable forage handling depends upon efficient, reliable, easy-to-operate equipment. Whether you feed out cattle or have a dairy operation you can choose International forage chopping and handling equipment that will help you make and store better feeds, and do it more profitably.

720 & 830 Forage Harvesters

Capacity, performance, easy-operation—you get them all with International forage harvesters. Both the 720 and the 830 are available with fast-attach, drive-in crop units for picking up windrows or for direct harvesting of standing row crops. They feature advanced International design that provides exceptional crop-chopping performance for top quality forage.

Here are just a few of the reasons why 720 and 830 forage harvesters add up to more profitable performance: High helix, 12-knife cutterhead gives you more than 10,000 cuts per minute. Cut lengths from 1/8 to 5/8-in. available. Electric remote controls (standard equipment) give you fingertip command from the tractor cab—just touch a switch to change spout direction, control angle of discharge deflector, or activate, reverse or inch feed elements for non-plug handling of heavy crops. Aggressive feed rolls adjust automatically to crop volume. Hydra-Sharp built-in hydraulic sharpening system and power-saving equalizer hitch are standard equipment. Quick-Attach crop units—a 2-row wide/narrow corn head and a 6-ft. hay pickup—fit both models. A 3-row narrow corn head is for the 830 only.

New 10 Flail Chopper

This versatile high-speed International machine gives you top performance for a wide range of chopping jobs. Its exclusive non-plug design keeps it working even in wet fields. You won't plug it in heaviest crops. Double cutting, reversible L-shape

knives on the high speed rotor chop finer and faster than most other choppers. The blower has plenty of power to propel material to the farthest corner of the wagon box. Cutting height is adjusted hydraulically from the tractor.

110 Forage Wagon

Easy to fill, self-unloading forage box can be a key member of your forage handling system. It has a smooth, 2-speed roller chain-reduction drive and the big 16-in. cross conveyor auger unloads material fast. The 110 is built for years of heavy-duty service and mounts on standard running gear. Available in two floor sizes with either 4 or 6-ft. sides for your choice of capacities up to 12,000 pounds.

56 Forage Blower

High-capacity International blower fills silos at a rate up to 100 tons of corn silage per hour or up to 70 tons of haylage per hour, yet uses less power to do it. The reason? The patented IH 45-degree feeding system permits materials to move directly into the blower. Less resistance to material movement means greater capacity with less power. Big 56-in. diameter rotor with adjustable paddles is easily accessible for servicing. Just remove two bolts and swing the top-hinged blower outlet up out of the way.

Model	Size
720 Forage Harvester	up to 130 hp tractors with 1000 RPM PTO up to 90 hp tractors with 540 RPM PTO
830 Forage Harvester	up to 175 hp tractors with 1000 RPM PTO
10 Flail Chopper	for 35 hp tractors and up
56 Blower	up to 100 tons per hour
110 Forage Boxes	7' x 14' and 7' x 16'

HARVESTING EQUIPMENT





In no other area of farming has the advance of agricultural technology created a more dramatic impact on the life and leisure of farm families than that brought about by the evolution of modern harvesting equipment. For it's here that ever-increasing capacity and efficiency have resulted in the ability to handle far greater crop productivity with drastic reductions in labor requirements. And since the upper limits of profitable crop production have steadily risen with the ability and capacity to economically harvest the increases, modern harvesting machines have played a major role in helping to improve the quality of life on the farms of America. International harvesting equipment has always been prominent in this parade of progress, building on the heritage handed down by Cyrus McCormick.

Axial-Flow combines: World's most advanced

International Axial-Flow combines are the latest in a long line of IH "firsts." The next few pages explain how and why they can help you harvest more of your yields while reducing the number of cracked or damaged kernels. You can also choose from IH conventional combines in regular self-propelled, pull-type and hillside models.

Cotton harvesters: Many choices for you

Another International "first" was the development of a commercially successful mechanical cotton picker. Improvements have continued through the years, keeping IH cotton harvesting equipment out front with features to help pick cleaner, last longer, and provide superior all-around performance.

NEW FOR 1978



International Axial-Flow Combines

Totally unlike conventional combines, the Axial-Flow principle uses a single longitudinally-mounted rotor to whirl the crop in a spiral path through the machine. Here are some advantages:

1. Greater overall productivity
2. More grain saved from total yield
3. Less grain cracked or damaged
4. Greater reliability to keep on the go
5. Greater flexibility to handle high-moisture conditions
6. Easier serviceability



782 Cotton Picker

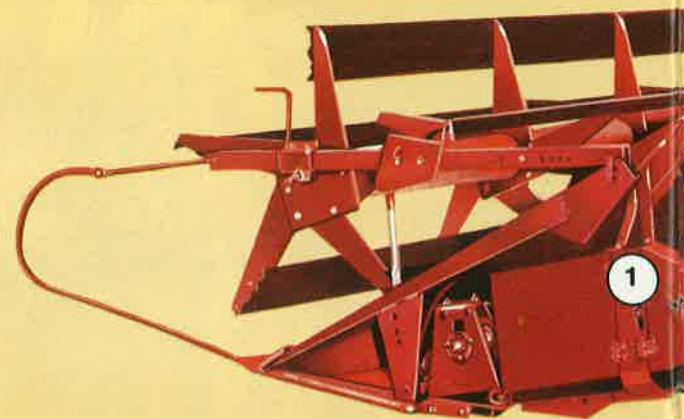
Highly productive and reliable, this new picker has advanced new features that let you do a better job faster, easier, and in more widely varying conditions than with any other cotton picker. With hydrostatic drive, high or low drums.

Axial-flow combines

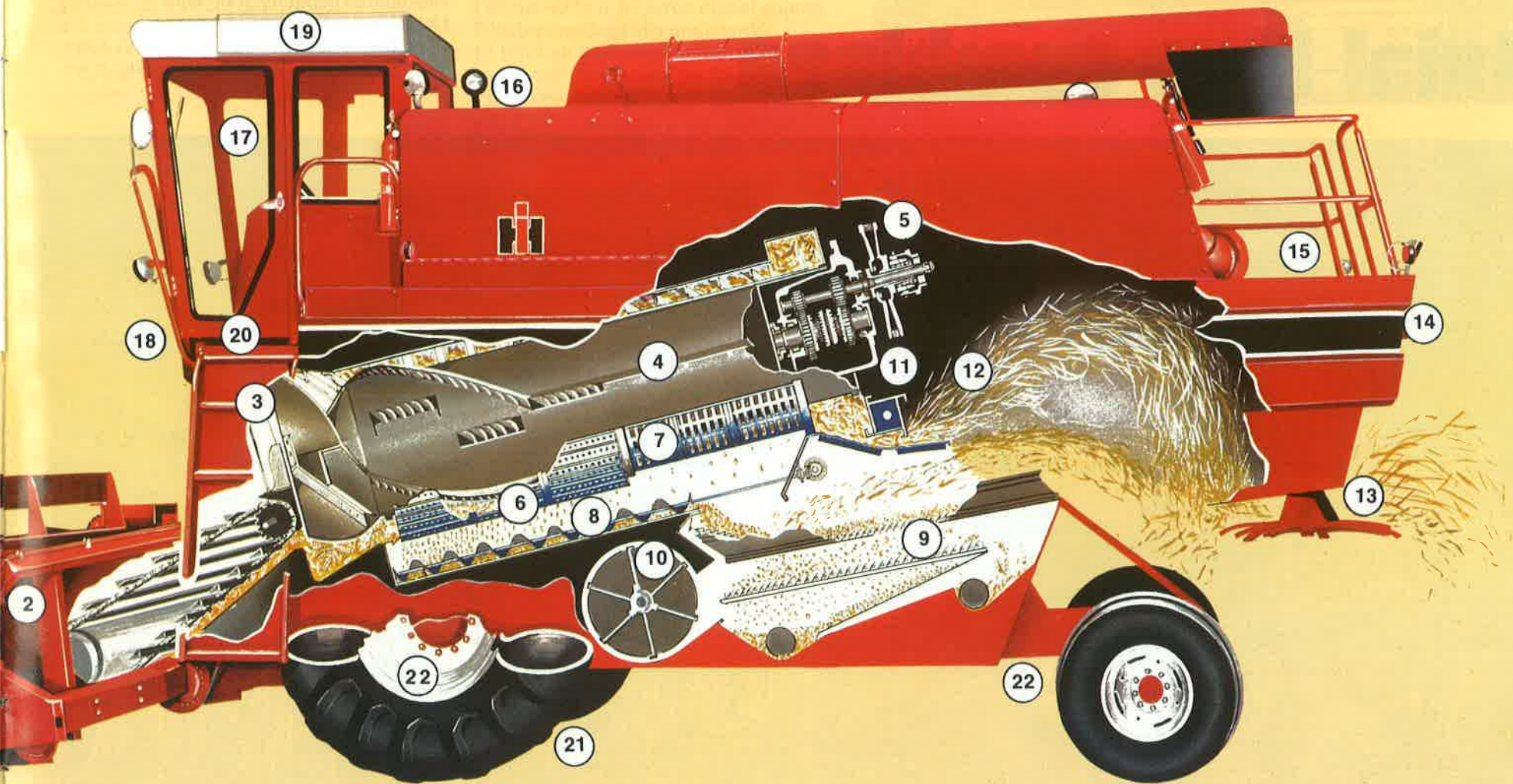
Superior performance features, inside and out

1. Proven IH 810 Series grain headers and 800 Series corn heads fit interchangeably.
2. "Rock restrictor" feeder drum (optional) protects against rocks.
3. Impeller on front of rotor draws crop and air into rotor . . . reduces feeder dust.
4. Single longitudinal rotor threshes and separates—just one big moving part. Speed of rotation adjusts on the go electrically within each of two ranges by means of fingertip switch control.
5. Torque-sensing rotor drive—automatically regulates belt tension in relation to load. Two-speed gearcase along with variable belt drive covers entire harvest range.
6. Three-section concave can be removed and reinstalled in less than 30 minutes—saves hours. Corn/bean and grain concaves available. Clearance easily adjusted by ratchet handle.
7. Three-section separating grate suits all crops—separating capacity is matched to the entire machine.
8. Auger-type grain pan (series of side-by-side augers) moves grain smoothly, positively to cleaning sieves. Less sensitive to side slopes.
9. Opposed action adjustable sieves with cleaning area of 4,750 sq. in. in 1440 and 1460 . . . 6,420 sq. in. in 1480.
10. Advanced-design cleaning fan with variable speed drive.
11. Positive discharge beater propels straw rearward.
12. No straw walkers.
13. Wide spread twin-rotor straw spreaders—remove in seconds for non-spreading, if desired.
14. Fold-down service ladder—becomes part of overall styling in "up" position.
15. Fuel tank capacity—92 gal. on 1440 and 1460 . . . 123-gal. on 1480.
16. Forward-mounted grain tank for best weight distribution—holds 145 bu. on the 1440 . . . 180 bu. on the 1460 . . . 208 bu. on the 1480*.
17. Control Center is roomy 58 in. wide. Mounted on IH ISOMOUNTS®, well insulated, extremely comfortable and quiet. Handy operating aids include: electro-hydraulic controls; electronic instrumentation; digital tachometer for engine, rotor and fan RPM; and digital speedometer for ground speed.
18. Excellent all-around visibility, including "deep pocket" windshield that provides an extra-close-in view down front.
19. Externally mounted air pressurizer filter—big capacity, easy to service.
20. Ample deck area outside Control Center door for easy entering, exiting.
21. Hydrostatic ground drive, pioneered and perfected by IH on combines for over 12 years, provides infinitely variable ground speed within three speed ranges through speed transmission and final drive. Hydraulic actuated brakes standard.
22. Drive wheels and steering axle offer high and low positions to provide desired clearance on 1460, 1480.

Simple single-rotor design. The rotor takes material from the feeder and moves it rearward in a spiraling, cylindrical path between the rotor and the rotor chamber. Rasp bars on the rotor make multiple contacts with the crop as it moves past the concaves to provide a multi-thresh action for thorough, but gentle threshing. The threshing rotor is a longitudinally mounted 1-piece cylinder 108 in. long and 24 in. in diameter in the 1440 and 1460; 30 in. in diameter in the 1480.



*Measured per ASAE Standard S312



Axial-flow combines

1440 Axial-Flow Combine.

The 1440 gives you more value than any other combine in its class. Take a close look at the 1440 . . . check the specifications. You'll find it has the power and capacity that practically matches the largest conventional combines. And it has all the same grain-saving advantages and convenience features that you get on the bigger Axial-Flow models.

Quick Facts:

- 135 hp, 436 cu. in. diesel engine
- 145-bushel capacity grain tank
- 13 through 24-foot grain headers
- 4 and 6-row corn heads for 28-30-in. rows
- 4 and 5-row corn heads for 36-40-in. rows



1440

1460 Axial-Flow Combine.

Want more power, bigger capacity than our 1440? Then this crop-hungry, grain-saving Axial-Flow combine can be the one for you. After you field test a 1460, we think you'll agree that it will do all that you expect of it, and more. And, you'll be pleasantly surprised at how simple it is to service a machine of this size.

Quick Facts:

- 170 hp, 436 cu. in. turbo diesel engine
- 180-bushel capacity grain tank
- 13 through 24-foot grain headers
- 4, 6 and 8-row corn heads for 28-30-in. rows
- 4, 5, and 6-row corn heads for 36-40-in. rows

1480 Axial-Flow Combine.

When it comes to power and productivity, the 1480 is in a class by itself. This big capacity combine is for the man who demands maximum productivity . . . the custom operator or for anyone with really big acreage. And as with all Axial-Flow combines, it gives you the ultimate in a comfortable working environment plus major advantages in controls and instrumentation.

Quick Facts:

- 190 hp, 436 cu. in. turbo diesel engine
- 208-bushel capacity grain tank
- 13 through 24-foot grain headers
- 4 to 8-row corn heads for 28-30-in. rows
- 4 to 8-row corn heads for 36-40-in. rows



Combine grain headers

Versatile 810 Series grain headers are the same highly regarded units that have performed so successfully on conventional IH combines. Available in a choice of practical sizes, they've proved their excellence in a wide variety of small grains and seed crops, plus soybeans.

Full range of sizes and equipment

Whatever your crops or conditions, you can choose a header just right for the job. You can choose from 10-ft. (less cutting equipment) to 24-ft. sizes . . . with or without flexible floating cutterbars (13-ft. through 22½-ft. sizes) . . . with or without automatic header control (standard with flexible floating cutterbars) . . . 5-bat plain or 6-bat pickup type reel (pickup type standard with flexible floating cutterbars). Hydraulic reel drive and hydraulic reel lift are standard, except on headers without cutting equipment.



Stand by 7

Emergency weekend service designed to keep your equipment going!

We know you don't stop to take the weekend off during planting and harvesting seasons. And neither do we; there's too much at stake.

That's why International Harvester created Stand by 7—a helpful customer support program that assures you we'll have someone on tap on weekends and after regular hours for emergency parts and service.

Efficient cutterbar position

The cutterbar is further ahead of the auger and feeder than on most other grain headers. This allows you to set the reel down close to the cutterbar when stands are thin and short, and provides extra room behind the cutterbar for better feeding of heavy volumes of material or fluffy crops.

Headers available with flexible floating cutterbars

You can save as much as two bushels of soybeans per acre with a flexible floating cutterbar. It flexes to follow ground contours, skimming to within one inch of the ground along its entire width to get under low-hanging pods and lodged stalks. The bar also flexes up and down at the ends. Automatic header height control is standard on headers with flexible floating cutterbars.

Smooth-running rotary knife drive

There's little vibration, which means longer life. This feature is especially important for larger size headers.

Pickup for combining windrows

A quick-attaching 810 windrow pickup (belt-type) is available in 110 and 132-in. sizes for use with grain platforms. You'll like the way it sweeps windrows clean to help save more of your crop.

810 Series header sizes

- | |
|---|
| 10-ft. — less cutting equipment |
| 13-ft. — less cutting equipment |
| 13-ft. |
| 15-ft. |
| 16½-ft. |
| 17½-ft. |
| 20-ft. |
| 22½-ft. |
| 24-ft. — not available with flexible floating cutterbar |



Combine corn heads



These quick-attachable 800 Series corn heads provide every advantage you need to help save more of your valuable yields. They have proven themselves on IH conventional combines, and now, with one on an Axial-Flow combine, you have today's best combination for maximum corn recovery.

Crop-saving low-angle stalk rolls

Low-angle design of rolls is ideal for saving low-hanging or down ears on lodged stalks, yet ground clearance is just right for aggressive stalk discharge. Rolls are self-cleaning, and can be conveniently serviced without removing them from row unit frames. Efficient snapping and ear movement is provided by curved inner edges of stalk roll shields. There's less bouncing of ears, and less trash goes through the combine.

Unique auger design saves corn

Corn is moved from row units to the feeder by a specially designed auger and trough combination that keeps ears low in the trough to reduce shelled corn losses.

Easy row spacing adjustment

Simple repositioning of row units is easy because of the tool bar type main frame. You only have to loosen bolts to slide units to desired positions. The main drive shaft is designed in sections to allow for easy removal or relocation of row units.

Model	Number of rows	Row spacings
843	4	28" or 30"
844	4	36", 38", 40"
854	5	36", 38", 40"
863	6	28" or 30"
864*	6	36", 38", 40"
883	8	28" or 30"
884**	8	36", 38", 40"

*This size and larger for 1460, 1480

**This size for 1480

715 combine

The 715 is a conventional combine that can give you highly efficient, economical harvests of medium to smaller acreages. It's earned a well-deserved reputation for outstanding performance in a variety of crops and conditions.

Quick-change Headers

You benefit from the same crop-saving grain headers and corn heads that have proved so successful during the past few years on conventional IH combines, and that are now being used on the new Axial-Flow models. Maximum sizes are 20-ft. grain headers and 4-row corn heads.

Combine Specials

Grain and Maize Special

Regular model with big grain tank, cab with heater, rasp bar cylinder with variable speed drive, and other features especially suited for harvesting small grains and maize.

Corn and Soybean Special

Same as above except for addition of adjustable steering axle, cylinder filler bars, and special corn-slat chaffer sieves.

Rice Special

Equipped with spike-tooth cylinder, feed conveyor chain divider sheets, and grain tank with raised leveling auger.

Edible Bean Special

Has bucket-type grain elevators, high/low variable speed cylinder drive, and corn-slat chaffer sieves.

Windrow Special

Equipped with a front beater with extended concave and integral stone retarder, and low-wire concave.

Quick Facts:

- 95 hp, 310 cu. in. diesel engine
- 96-bu. grain tank on corn and soybean models
- 65-bu. grain tank on others
- 10-ft. (less cutting equipment) through 20-ft. grain headers
- 3 and 4-row corn heads



Hillside, pull-type combines, windrower



453 Hillside Combine

Exclusive 4-way leveling, fore and aft, and side to side, prevents spill-out and bunch-up of grain on the grain pan and sieves when combining up and down grades, as well as on side hills. With 4-way leveling, you'll not only cut field losses, you'll also have the advantages of better stability and traction. And hydrostatic drive gives you excellent hillside control. Powered by a 112 hp diesel engine; and equipped with choice of 16½ or 18½-ft. grain headers.

914 Pull-type Combine

If you use a pull-type combine, you can profit from the exceptional capacity and reliability of this outstanding performer. With threshing and separating dimensions identical to the 915 self-propelled, it's the most productive pull-type combine you can buy. Equipped with 12½-ft. header, less cutting equipment, for 110 or 132-in. belt-type windrow pickup; and with a big 150-bu. grain tank.

75 Pull-type Windrower

You can windrow all kinds of grain, even flax, with one of these big-capacity, low-cost pull-type windrowers. Adjusts on-the-go to match operating speeds to crop conditions. Available in 15, 18, 21 and 25-ft. sizes, plus 3-ft. extension attachments for all except the 25-ft. size. Requires 30 hp or larger tractor with 540 RPM PTO.



Cotton pickers, strippers

The new International 782 cotton picker sets new standards for overall productivity, reliability and serviceability. No other cotton picker can match all the advantages it provides for fast, clean picking; easy, comfortable operation; simple, time-saving service; and reliable, long-life performance.

Efficient picking unit performance

Spindle bars reach closer to ground than on other pickers, so they get more low-hanging bolls. Longer spindles, improved moistening pad supports and exclusive Dof-Flex doffers provide unexcelled picking efficiency. Exclusive Protec-O-Matic clutches protect drums from damage. Larger spindle bar journals and bearings, plus cam track design that greatly reduces the number of cam crossovers, add to long-life dependability. And no other picker's automatic height control can match the superior performance you get on the 782.

All-new air system

A big-capacity fan provides enough air to blow picked cotton all the way from drum doors to the basket in a uniform, steady flow. No uneven slugs are formed, as with systems that suck part way, and then blow the rest of the way. Cleaning is more efficient.

Big basket dumps fast, has clean design

Geometry of dump design results in fast, easy action with less linkage, fewer arms and straps to clutter the outside of the basket. Collection of trash is reduced, and you have a more practical, more pleasing overall appearance. Add the basket cotton distributor, and you not only get more uniform, bigger capacity filling, but you also can hold half a load in the basket while dumping the other half—another IH exclusive.

Operator comfort, convenience

Roomy IH Control Center provides the ultimate in operator comfort. Pressurized ventilating system, adjustable position steering wheel, adjustable fabric covered seat and convenient control console are only a few of the features that result in operator environment that can help increase productivity.

Available three ways, all with hydrostatic drive

1. With high drum, automatic height control, basket cotton distributor and hydraulic drum engagement.
2. With high drum and basket cotton distributor.
3. With low drum, automatic height control, basket cotton distributor and hydraulic drum engagement.

95 Self-Propelled Cotton Harvester

Big 2-row self-propelled with low center of gravity for excellent handling. Hydrostatic drive permits on-the-go speed changes to make it easy to match ground speed to crop conditions. 655 cu. ft. cotton basket. Pressurized cab, 106 hp diesel engine, hydrostatic power steering and disc brakes, standard.

Finger Header

Interchangeable with brush-roll head to give you greater harvesting flexibility. Strips crops planted wide or narrow row, skip row or broadcast. Harvesting width is 12½ ft.





782



95

MATERIALS HANDLING EQUIPMENT





How you handle materials around the farm not only affects the efficiency of your overall operation, but also your freedom to enjoy it. IH offers you a wide choice of reliable specialized equipment that provides practical, labor-saving ways to handle an exceptionally wide range of jobs in and around barns, feedlots, farmyards and fields. So instead of struggling to keep up with these tasks, take it easier, yet keep ahead of schedule with IH equipment tailored to your special needs.

Loaders:

Skid-steer or tractor-mounted

International loaders are available in types and capacities to handle just about any lifting, loading or material moving. The line includes four compact skid-steer models, and three convenient Mount-O-Matic models for easy mounting on power-matched farm tractors in all horsepower sizes. A variety of attachments is available for all models.

Manure spreaders:

To match your livestock operation

Whatever the size of your livestock or dairying operation, there's an International manure spreader with size to match—from 148-cu. ft. capacity up to giant 313-cu. ft. capacity. The two largest sizes have tandem-type bogie axles.

Feed handling equipment:

Saves time, labor, money

You can cut the work and cost of feeding livestock by choosing International equipment matched to your system. The line includes the latest in modern on-farm grinding, mixing, blending and dispensing equipment for a wide range of materials and feeding practices.

Miscellaneous equipment

Wagon running gears for transporting materials . . . blades for grading, ditching and backfilling . . . backhoes for trenching . . . shredders for cutting crop residues and weeds . . . and snow blowers for clearing snow from driveways, barnyards and lanes.

1250 Grinder-Mixer

A big 105-bu. capacity grinder-mixer designed to make on-the-farm feed processing and delivery easy and reliable. It's available with everything you need to help blend and deliver perfectly balanced rations every time.

Rear-mounted Blades

A full line of five models for tractors from 17 to 150 hp. Each has adjustments for handling a variety of jobs in varying conditions. Blade cutting widths range from 6 to 10 feet.

NEW FOR 1978



4140 Loader

New addition to the 4100 Series compact skid-steer loader line. It ranks second largest in power and capacity, completing a range of models from 16 to 56 hp, and from 900 to 4000-lb. tipping loads.

Compact loaders

A complete line of skid-steer "Hustler" loaders—from a heavy-duty 58 hp to a 16 hp compact—all are designed to put handy hydraulic power into dozens of on and off-farm jobs.

Exceptional Maneuverability, Versatility

All have skid-steer maneuverability—turn 360 degrees within their own tracks—and compact design, so they can scoot in and out of doorways and small confined areas where a full-size tractor and loader can't. Hydrostatic 4-wheel drives provide infinitely variable ground speeds, down to the slowest crawl, without changing engine RPM or shifting gears. Easy-to-change quick-attach matching attachments are available to fit a wide range of around-the-farm jobs.

4150 Loader

Heavy-duty model with choice of 50 hp gas or 58 hp diesel engine, both water cooled. Has 4000-lb. tipping load, 111-in. dump height, long-life all-gear final drive, all hand-lever control with single T-bar for steering and speed, another for boom and bucket.

New 4140 Loader

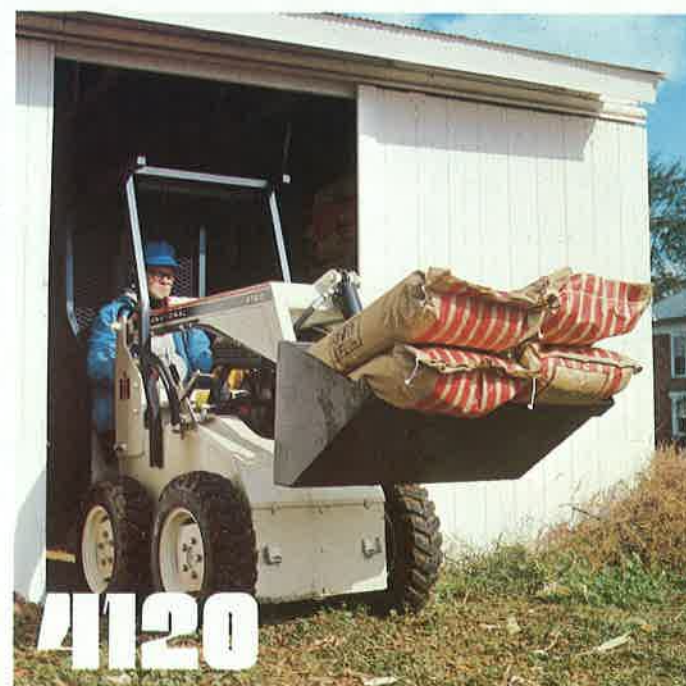
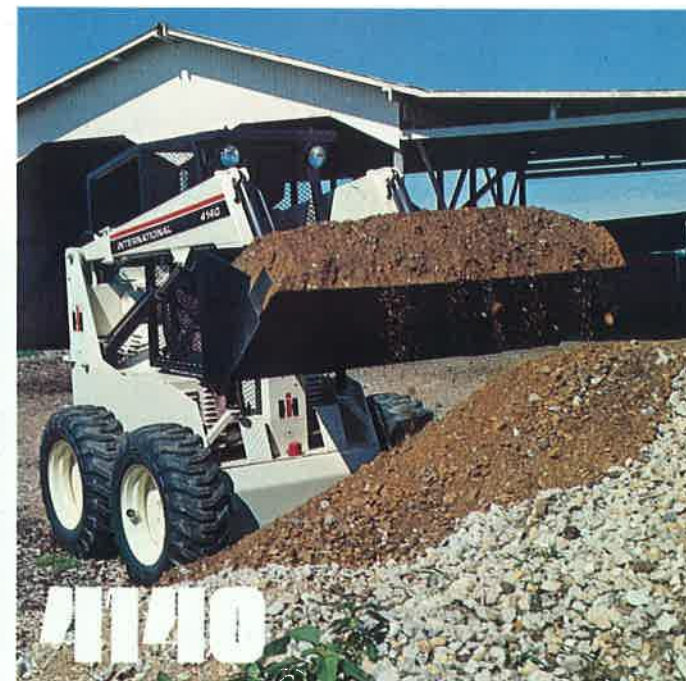
Medium heavy-duty model with choice of 40 hp gas or diesel water-cooled engine. Has 2600-lb. tipping load, 82.25-in. dump height, long-life, all-gear final drive, all hand-lever controls with single T-bar.

4130 Loader

This compact performer has a 25 hp air-cooled engine, 1630-lb. tipping load, 85.5-in. dump height, all-gear final drive, all hand-lever controls with single T-bar.

4120 Loader

Smallest of the IH compacts, has 16 hp air-cooled engine, 900-lb. tipping load, 70-in. dump height, all hand-lever controls with single T-bar for steering and speed, another for boom and bucket.



Mount-o-matic loaders



Extra easy mounting and dismounting, plus efficient capacities and reliable long-life construction, make these loaders outstanding buys. They're the handiest available for International and some other makes of tractors.

Convenient Mounting

Unique mounting and dismounting features save time and trouble. Your tractor hydraulics do the hard work—power the loader on and off the mounting brackets. Two retaining pins secure the loader to mounting brackets when mounted, and when the loader is removed, its subframe drops down to serve as a parking stand.

2450 Mount-O-Matic Loader

Big capacity model with special high-lift design to provide a 16-ft. lift height. Breakout force is 5000 lbs., lift capacity is 3500 lbs. Fits International and many other tractors of 80 hp and above.

2350 Mount-O-Matic Loader

A highly reliable, big capacity performer for tractors of 80 hp and up, including current and older International models, plus a number of other models. It has a 5000-lb. break-out force and lifts 3500-lb. to a height of 12 ft. at the bucket pivot.

2250 Mount-O-Matic Loader

The economy model for International tractors with 40 to 80 hp, including current and older models. It has a 3500-lb. breakout force and lifts 2500-lb. to a full height of 10 ft. 5 in. at the bucket pivot.

Capacity-matched Attachments

Available for dozens of lifting, loading, moving and carrying jobs around the farm. Included are manure forks, materials buckets and blades in a choice of sizes, plus a fork lift and boom.



Manure spreaders

Rugged, single-beater design of International 500 Series spreaders provides exceptional spreading efficiency. Choose the one to fit your type and size of operation. Available with capacities from 148 to 313 cu. ft., heaped.

You can count on International spreaders for big-capacity, trouble-free spreading performance year after year. Their single beaters have heavy "bear claw" type paddles, each with four staggered cutting edges to tear and shread packed or frozen chunks effectively. Smooth-running beveled worm-gear transmissions assure long drive train life. Two apron speed choices are standard, additional choices optional. Long-life boxes with thick, treated plywood floors rest on A-frames that extend all the way back to the wheels for maximum support. New attachments include "bear claw" upper beaters and an adjustable hydraulic endgate.

580, 570 Spreaders

Two big models for the man who needs to spread big volumes of material fast. Tandem bogie-type axles help ease heavy loads over ridges and through ditches without twisting. Heavy penta-treated plywood sides are steel reinforced.

550, 540, 530 Spreaders

Take your choice among these three similarly designed models to match your needs. All have thick steel sides that are not only strong and rigid, but corrosion-resistant as well.

Model	Capacity—heaped	Capacity—struck
580	313 cu. ft.	210 cu. ft.
570	271 cu. ft.	182 cu. ft.
550	216 cu. ft.	121 cu. ft.
540	185 cu. ft.	104 cu. ft.
530	148 cu. ft.	83 cu. ft.



Rear-mounted blades



One of these new 3-point hitch mounted blades can be the handiest piece of equipment you can own. Available in five models, each capacity-matched to specific tractor horsepower ranges.

You can profit with one of these blades for ditching, road and lane grading, leveling, terracing, backfilling, feedlot cleaning, snow clearing, and many other jobs. Blade cutting edges are high-carbon steel, designed to cut, not scrape, through tough soils. A wide range of adjustments lets you handle many different jobs in varying conditions with minimum effort.

New 50 Blade

Heaviest-duty blade in the line, for high-horsepower tractors. Can be front-angled, reverse-angled, offset and tilted. Choice of mechanical or hydraulically-controlled adjustments. Cat. II or III 3-point hitch.

New 40 Blade

A slightly smaller heavy-duty blade that can be angled, reversed, offset and tilted. Available with hydraulic offset, gauge wheels, side plates, and skid shoe attachments. Cat. I or II 3-point hitch.

New 30 Blade

Same sizes as the 40 blade, but somewhat lighter in weight. It also angles, reverses, offsets and tilts; and its available with the same attachments as the 40. Cat. I or II 3-point hitch.

New 20 Blade

A lighter-duty model for smaller-powered tractors, the 20 angles, reverses and tilts (with tractor hitch). There is no offset. Available with gauge wheel, side plates and skid shoe attachments. Cat. I 3-point hitch.

New 10 Blade

Lightest in the line for small tractors. It can be angled right and left, reversed in one position, and tilted with tractor hitch. It does not offset. Cat. I 3-point hitch.

Model	Moldboard Width	Moldboard Height	For max. drawbar hp
50	8', 10'	18½"	90-150 hp
40	7', 8'	17½"	55-90 hp
30	7', 8'	17½"	30-60 hp
20	6', 7', 8'	17½"	30-50 hp
10	6', 7'	14"	17-35 hp

Grinders, shredders, wagons

New 1250 Grinder-Mixer

If you have a livestock operation, chances are you can profit from the fast, efficient uniform grinding-mixing performance of the 1250. It has a big 105-bu. capacity, plus features designed to make on-the-farm grinding, mixing and feed delivery accurate and easy. It's equipped with a separate concentrate hopper, and with an efficient dust collecting system that helps keep the environment clean. The unloading system incorporates a high-reach vertical auger with a long-reach unloading auger which swivels to either side for unloading versatility—hydraulic lift and swing for auger is optional. A choice of options and attachments is available for special needs and preferences, including an electronic scale to help you achieve perfectly balanced rations every time. An optional electronic digital read-out indicator continuously displays weight as you fill and unload.

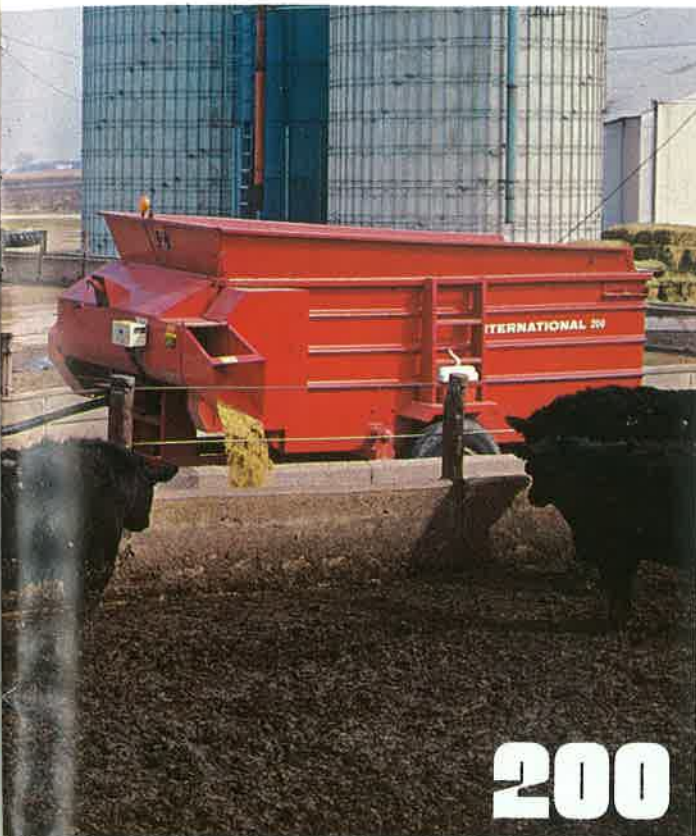


725 and 750 Tub Grinders

Grind anything your livestock will eat with one of these big capacity machines, including big round bales . . . ear corn . . . small grains . . . straw . . . stover . . . and a lot more. They're designed for easy one-man operation. Ground material can be stockpiled, or loaded on wagons or trucks for storage or feeding.



Other machines



200 and 300 Silage Mixers

You can cut feed costs and save yourself a lot of effort in the process with an International Ration-Rite mixer. They thoroughly mix all kinds of feeds and supplements, and are equipped with electronic scales to weigh proportions going in, rations coming out, to eliminate guesswork and waste. You can blend on the go and deliver directly to feed bunks. The 200 has 175-bu. capacity; the 300 has 240-bu. capacity.

50 and 60 Shredders

Excellent choices for fine shredding your toughest crop residues—corn, cotton, sorghum, etc., to speed decomposition, destroy corn borers, pink bollworms. Also makes plowing, planting and cultivating easier. Other profitable uses include clipping pastures and cutting weeds. The 50 is 150 in. wide; the 60 is 170 in. wide.

300 Series Farm Wagons

Four models available, with one just right for any kind of farm hauling job. Carrying capacity ranges from 4 to 10 tons (ASAE rating). They're all built for reliable performance, with wide tracks and low centers of gravity for stability.



80 Snow Blower

Convenient for clearing snow from roads, driveways, barnyards and feedlots. And it's ideal for custom operators to use in clearing schoolyards, construction job sites, parking lots, service station areas, private roads, etc. Clears an 86-in. path and is 3-point hitch mounted.

3082 Backhoe

Handle dozens of digging and trenching jobs quickly and easily with this versatile easy-on, easy-off 3-point hitch mounted backhoe. It mounts on tractors with Cat. I or II 3-point hitch . . . digs to 8 ft. deep . . . lifts up to 1000 lb. to a loading height of 56 in. Choice of buckets from 12 to 24 in.

Power Lawn Products





International lawn and garden tractors are the performance choice for dozens of farm, home and industrial jobs, from big acreage mowing to snow removal. Choose your size and get job versatility along with dependability and economy.

284 Compact Tractor

This powerful 28 hp tractor was built for small farms, but it's also ideal for landscaping, schools, parks and industrial uses. The 284's 4-cylinder gasoline engine runs smoother and quieter than diesel. It has an easy-shift transmission with 8 speeds forward and 2 reverse. The 2-speed PTO transfers more than 24 hp to hard working attachments. The 284 is economical, easy to maintain and has a position controlled Category I 3-point hitch. It's a lot of tractor with all the quality and dependability you expect from International.

184 Lo-Boy® Tractor

Work-handling strength and hustle have made the Lo-Boy the favorite among professionals everywhere. Just 49 in. tall, it rides low with excellent stability. An 18.5 hp engine gives it plenty of power for all-around work. Hydraulic lift and independent rear PTO are standard to power work attachments, including a 60-in. rotary mower. The 184 handles grass and snow and everything in between with available loader, harrow, tiller, plow, cultivator, and other attachments.

Cub® Tractor

Here's the little tractor with a lot of muscle. And there is no other tractor in the Cub's class that can compare. The aggressive power of a hard-working 15 hp water-cooled engine combines with no-strain visibility, one-point Fast Hitch and "Touch Control" hydraulic lift to give you everything you want in a small tractor. It handles all kinds of equipment from

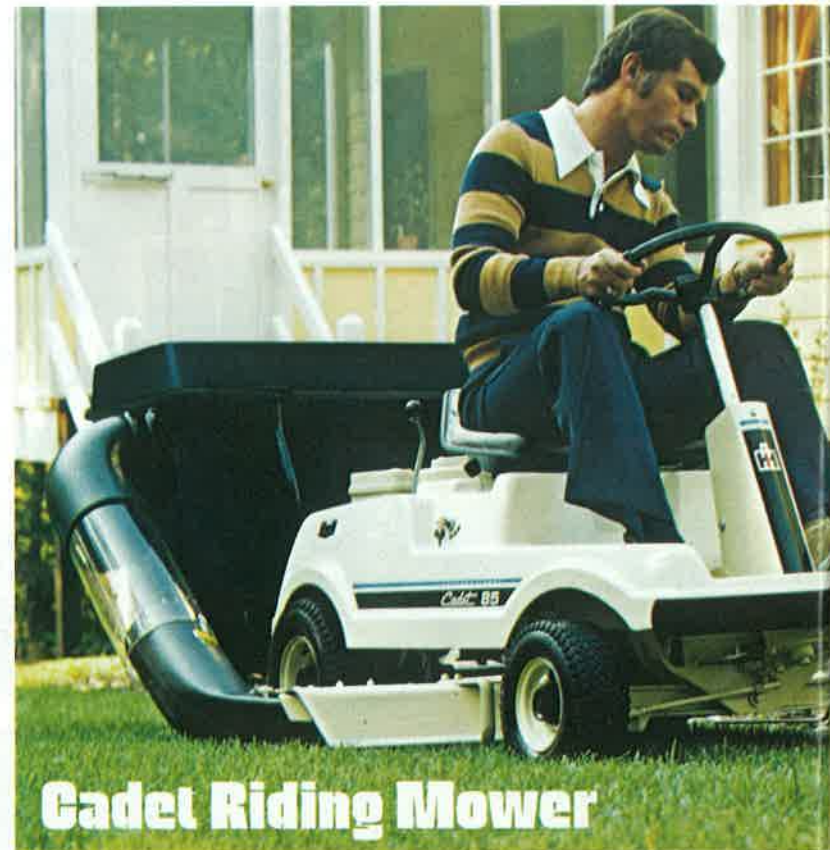
mowers and blades to plows and cultivators.

Cub Cadet® Tractors

Quality makes these lawn and garden tractors the finest you can find. You can tell it by the rugged automotive type chassis and the all-steel drive train with no chains or belts. You can also tell by the quiet that comes from completely enclosing the engine and mounting it on Iso-Mounts. There's even a "Maintenance Minder" that tells you when it's time for service to keep your Cub Cadet running like new. Over 50 attachments are available for year round use. Choose from five models: Gear drive—1000, 10 hp; 1200, 12hp. Hydrostatic drive—1250, 12 hp; 1450, 14 hp; 1650, 16 hp.



Power Lawn Products





Cadet® Lawn Tractors

The value of these two lawn tractors goes beyond just cutting the grass. They have the power and stamina to work all year in a variety of jobs. Both are powered by 8 hp engines Synchro-Balanced to slash vibration and increase tractor life. Choose the Cadet 81 with gear drive or the Cadet 80 with hydrostatic drive. Electric start and the 36-in. rotary mower are standard. A 5-bushel rear bagger and a dozen attachments are available.

Cadet® Riding Mowers

Here's a wide choice of smooth cutting riding mowers to meet your exact mowing needs. Choose the economy 5 hp Cadet 55, the 8 hp Cadet 85 or the 8 hp Cadet 85 Bagger Special with optional 5-bushel grass bag. Lo-Tone Mufflers make them whisper quiet and the Synchro-Balanced engines on 8 hp models reduce vibration and wear. Take 28-in. swaths with single blade on the Cadet 55 and the Cadet 85 Special. The Cadet 85 has a twin blade 32-in. mower. All have a tight 25-in. turning radius.

Power Mowers

These three International mowers offer convenient on-handle controls, vacuum-action blades for smooth cutting, easy mowing height adjustability plus safety features for your protection. Top of the line is the deluxe 21-in., 4 hp self-propelled with 2 1/4-bushel rear bagging unit (standard) which can be removed to make it a great mulching mower. Or you can choose the 21-in., 3 1/2-hp self-propelled with side discharge . . . or the economy 19-in., 3 hp push-type with side discharge—both available with optional one bushel bagger.



255 Power Washer

Give dirt and grime the big rush with 500 psi of cleansing power. Handgun nozzle has three different power settings. Just turn a knob to add cleaning solution. Use it for everything from power-washing trucks and implements to scrubbing pens, bins and milking equipment.

268 Snow Blower

You'll breeze away big snow problems with this powerful 8 hp International snow blower. Operating controls are on the handle and the adjustable chute lets you put the snow where you want it. It clears a 26-in. swath. Ideal for walks and drives.

Lightweight Snow Thrower

It weighs only 33 pounds, but it's a little giant when it comes to moving snow in a hurry. 2 hp engine drives rubber paddles at 1000 RPM to scrape snow off steps, walks and drive. Safety-lock ignition key and enclosed drive. So light you can hang it up out of the way.

526A Rotary Tiller

Toil-free tillage at its finest. Here's the power, action and control you need for deep thorough tillage. 5 hp engine with easy-spin starting for instant, dependable power. Speed controls on the handlebars. Depth control adjusts from 6 to 9 in. Standard tilling width is 26 in.—reduce to 14-in. by removing tines.



Add the accessories you need.

A new seat to make your ride more comfortable.

An IH Windbreaker® to keep you snug and warm in wintry weather.

An IH tractor radio to make your around-the-yard chores much more pleasant.

These are just a few of the many items your IH dealer has to increase your comfort and make your lawn and garden chores more pleasant. See him for these fine accessories . . . and for reliable service when you need it.

Lubricants

Next time you change your oil, change to IH engine oil. Then you can be sure you have oil formulated by engineers who are fully familiar with the conditions under which your equipment operates.

International Harvester engineers have developed two distinct engine oils to meet the needs of different engines. Both have been formulated to satisfy the requirements demanded by hour-after-hour operation at the punishing temperatures built up in modern farm engines.

Use IH Low Ash engine oil for . . .

- All gasoline, farm, and industrial tractors.
- Cub Cadet tractors.
- All two-cycle diesel, LPG, and natural gas engines.
- All truck and car gasoline engines requiring an API SE oil.

IH Low Ash engine oil exceeds API Service Classification SE. It's designed to eliminate the principal gasoline engine problems of exhaust valve torch-type failures under heavy load and oil ash fouling of spark plugs under light load.

Use IH No. 1® engine oil for . . .

- All four-cycle diesel engines.
- Truck and car gasoline engines requiring an API SE oil.

The additives in IH No. 1 engine oil are especially formulated and blended in higher amounts than in standard automotive oil. This oil will withstand the greater temperatures of heavy-duty operation and resist chemical breakdown much longer.

International® Hy-Tran® hydraulic transmission fluid

Quality is the key word whether you buy Hy-Tran by the gallon or by the drum. In fact, quality is so much an integral part of Hy-Tran that we say this product has no equal anywhere.

Hy-Tran's superior quality begins with the additives that help this hydraulic transmission fluid protect your tractor and equipment three ways:

- Maintains its lubricating qualities under **extreme** gear loads.
- Keeps your transmission and hydraulic system **sludge free**.
- Prevents corrosion—extending the life of the entire system.

International 251-H EP grease

This multi-purpose No. 2 lithium EP grease is the finest grade you can buy. It's ideal for most truck, tractor, and agricultural equipment applications . . . particularly for chassis lubrication, wheel bearings, spline shafts, and water pump bearings. It's formulated for operating temperatures from -20° to 350° F.



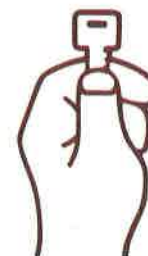
Finance

Work with Master Key Financing.
Because our business rides with yours.

Before you make your next equipment purchase, check out the business advantages of **Master Key Financing**. And keep your bank lines open. **Master Key Financing** is available through IHCC, one of the International Harvester companies, offering these important advantages: *Responsive Terms*—anticipating your peaks and valleys and accommodating them.

Reasonable Rates—as low as just about anyone else's.

Responsible Partnership—we'll do what we can to help keep you going even when the going gets rough.



INTERNATIONAL HARVESTER CREDIT CORPORATION





The most profitable new program in farming—IH Pro-Ag. Why not put it to work for you?

The Pro-Ag program has been thoroughly tested by thousands of successful farmers. And virtually to a man, they agree it's a giant step forward in professional farm management. Most who have used it, report it increased their net profits from 10 to 20%.

Pro-Ag makes it possible for you and a computer to analyze every possible combination of your farm's resources—to produce a plan that can increase your profits dramatically. The program is a result of almost 20 years of research by major agricultural colleges, and is backed by the financial support and computer facilities of International Harvester.

To find out what Pro-Ag can do for you, visit your dealer and sign up for a seminar. There, you'll provide facts about your acreage, cropping practices, average yields, storage and drying facilities, labor supply and equipment. This data is then fed into an IH computer where it is meshed with hundreds of other ag college facts. In a matter of

seconds a print-out is provided that contains the most profitable way to use all of your farm's resources.

From the facts on the print-out, you can make decisions to solve all kinds of problems, most often ones dealing with timeliness. You also get answers to hundreds of other questions. Buy or rent more land? Invest in more storage? Buy bigger equipment? Shift crop acreage?

Why is IH making Pro-Ag available? Simple. We're in the business of farming together. In the long run, if you're more successful, we'll be more successful. So we think it makes good sense to help each other.

To learn how you can attend a Pro-Ag seminar, check with your dealer.

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