

## Hesston Corporation brochure

This brochure from the Hesston Corporation, farm equipment division, highlights the pull-type forage harvesters with multiple models accompanied with colored pictures, black and white illustrations and written descriptions. This publication funded by the National Historical Publications and Records Commission through the Kansas State Historical Records Advisory Board.

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## Hesston Pull-Type Forage Harvesters

MODELS 2000-150,  
2000-100 and 7020



First with a better way.







**Model 7020**—Designed for rugged use in medium-size forage programs. Operates from 35 to 85 horsepower tractors and goes after forage at a 45 ton per hour clip.



**Model 2000-150**—Slim, trim and compact; yet this high production pull-type has a 150 hp drive train rating and harvests forage at a timed run speed of 80 tons per hour.

## Hesston's 3 Forage Harvester models lead the way in high-capacity forage harvesting

**Model 2000-100**—For lots of production even if you're not in the super tractor class. Has a 100 hp drive train rating and harvests 60 tons of forage per hour.





### Hesston improves with innovations like these:

#### New hardened steel twin disk cut-off headers – a Hesston exclusive!

With scissor-sharp twin cut-off disks rotating at over 270 rpm, you're assured of getting the continuous cutting action needed in any progressive forage program. Just take a look at a few of the additional benefits of Hesston's new rotary cut-off disks:

**Vibration is held to a minimum**—Disks rotating in one continuous direction almost completely eliminate troublesome vibration and add to the life of the unit.

**Self-sharpening disks**—When proper adjustment is maintained, the twin cut-off disks sharpen themselves continuously as they cut.

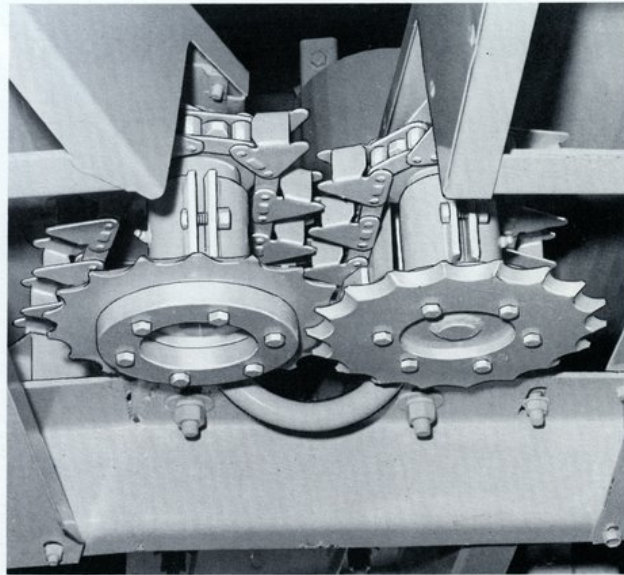
**Easily adjusted**—The angle of the disk and the gap can easily be changed in a matter of minutes.

**Better power efficiency**—Less horsepower is required to drive the disk headers... making the most of the power input.

**Clean-cut stalks**—The slicing action of the disks assures a clean cut with minimum tearing or jamming.

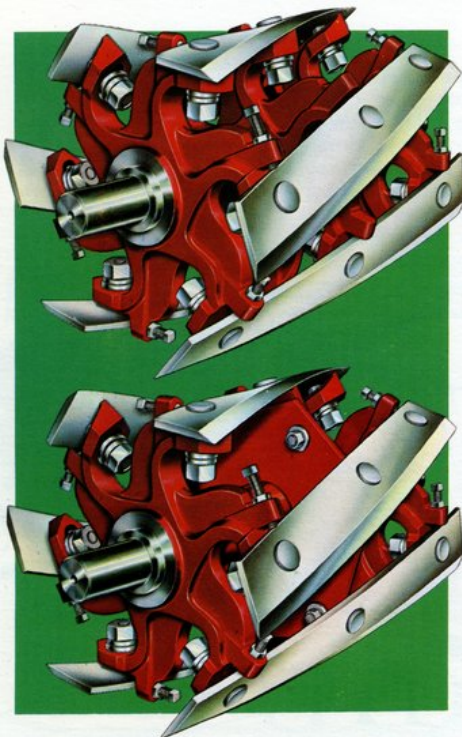
**Easy replacement**—Just remove six cap screws, take out the old disk, secure the new disk by tightening the cap screws and adjust. That's it!

**One- and two-row twin disk cut-off headers are available on all three models of Hesston's pull-type forage harvesters.**



### Hesston's amazing "heart of steel" cutting cylinder

#### Cuts on and on in all three Hesston pull-types!



The heart of any forage harvester is its cutting cylinder. Headers, feed rolls, blower... the efficiency of each is dependent in large part on the cutter's overall performance. And beneath your choice of Hesston pull-types beats a truly remarkable "heart of steel."

More than just a name, the hearts of steel in Hesston pull-types deliver the highest ratio of capacity to horsepower in the industry. What's more, they feature a zero tolerance (like scissors) between blade and shear bar to cut—**not chop**—forage. The result is the most uniform length of cuts from 3/16" to 3/4" that are possible. (Recutter screens and kit are also available as extra equipment to give you a choice of six different recutting lengths.)

In the 2000 pull-type cutters, six 23-inch knives are angled across a 22-inch cylinder. This extra length plus the angle of the knives plus the pitch of the cutting edges all help to increase the cutter's capacity. In the 7020, the dimensions are slightly smaller, but the capacity to horsepower ratio is even more impressive than in the heavy-duty models.

All three cutting cylinders anchor the knives at the center as well as the ends to help assure a uniform length of cut all across the shear bar.

Add it all up. You'll find that a Hesston pull-type delivers more forage per horsepower—more precisely cut forage—than any other pull type in its class.



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### The medium-duty 7020...

#### Making the most of Hesston's latest innovations!

Rugged, reliable and easy to maintain, the 7020 features the latest engineering refinements. In both its one- and two-row Row Crop Headers, for instance, a lot of the wear, tear and vibration that plague ordinary headers has been engineered **out**. New, hardened steel twin disk cut-off headers replace sickle bars, and their rotary motion gives a continuous cutting action. This action makes the most of the power input and holds vibration to a minimum.

An open-end hay pickup with newly positioned skid shoes and retractable fingers in the auger lets you clean up windrows even at the extreme ends of the pickup without a lot of back and forth steering. And the easy to operate transmission, the same one used on the bigger model 2000-100, lets you shift from forward to neutral and reverse without clutching the tractor or decreasing the rpm.

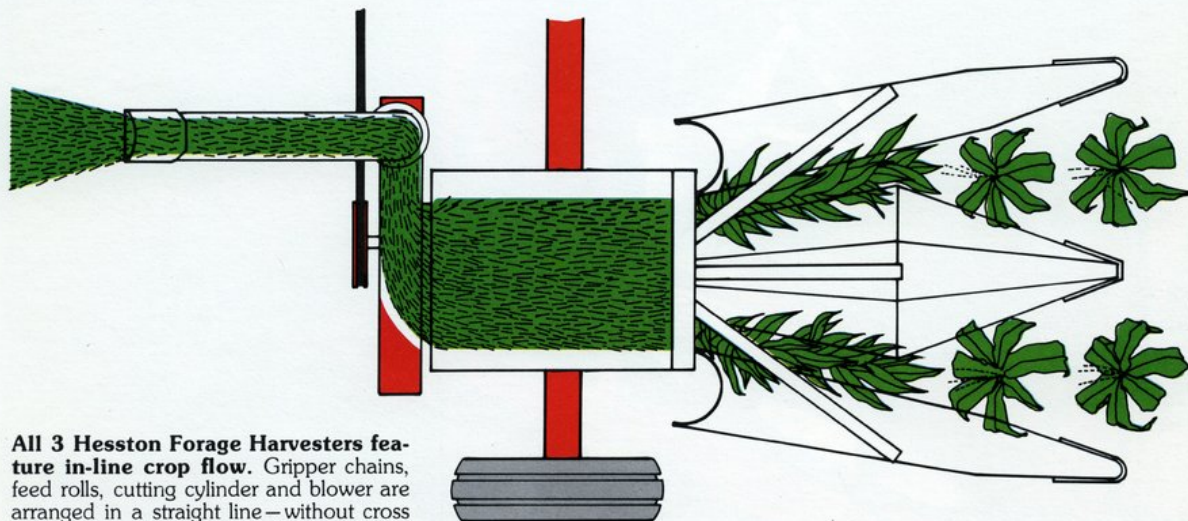
As you can see, the 7020 has most of the features you'd expect to find only on the bigger pull-types. The difference is the 7020 was made for use with smaller tractors. So it doesn't have to have all the muscle of a heavy-duty model to get its 45 ton per hour (timed run in corn) capacity. Result? It costs less. And if it fits your forage program, you can save a good deal of money.



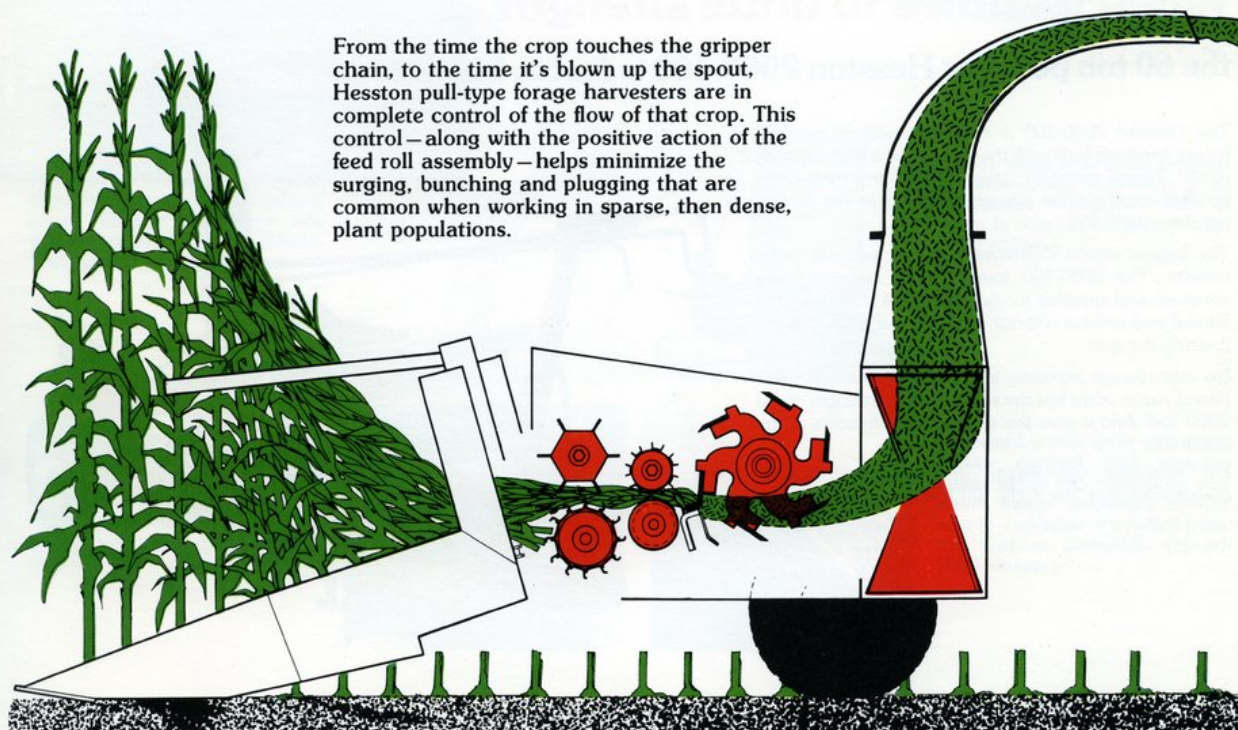


## Hesston Corporation brochure

**Controlled and unrestricted crop flow  
adds to Hesston's high-capacity  
performance straight through  
the complete line!**



**All 3 Hesston Forage Harvesters feature in-line crop flow.** Gripper chains, feed rolls, cutting cylinder and blower are arranged in a straight line—without cross augers—greatly reducing the chance of troublesome plug-ups!



From the time the crop touches the gripper chain, to the time it's blown up the spout, Hesston pull-type forage harvesters are in complete control of the flow of that crop. This control—along with the positive action of the feed roll assembly—helps minimize the surging, bunching and plugging that are common when working in sparse, then dense, plant populations.



## Hesston Corporation brochure



### When it comes to brute strength...

**the 60 ton per hour Hesston 2000-100 is first in its class!**

The Hesston 2000-100 is the only medium capacity forage harvester built with the strength of a high capacity model. Frame members, tongue, axles and most components are the same size and strength as the 80 ton per hour 2000-150.

The biggest design difference is in the feed roll transmission. The 2000-100 transmission's internal drives are chain and sprocket to allow shifting from forward to neutral and reverse without clutching the tractor or decreasing the rpm.

No other forage harvester in the 60 ton per hour class (timed run in corn) has the size and brute strength of the 2000-100. And it uses the same reliable headers as the 2000-150.

For moderate size forage programs and medium powered tractors, the 2000-100 has no equal.







attn: Farm Equipment Division  
Advertising Department

HESSTON CORPORATION  
Hesston, Kansas 67062

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Hesston, Kansas

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to send for the ones that  
interest you.

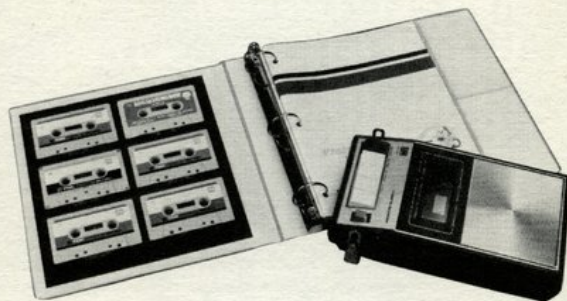
- 1 Model 6600 Hydro-Static Windrower.** Hesston's big capacity windrower with hydrostatic wheel drive, hydrostatic header drive, four-wheel stability, walking beam rear axle, and flotation tires.
- 2 Model 6400 Hydro-Static Windrower.** The true hydrostatic with independent "Hydro-Power" wheel drive, four-wheel stability, Hydro-Trim<sup>®</sup> Steering, and quick-attach headers for use in a wide variety of crops including grass seed, alfalfa, native hay, peas and grain.
- 3 The Center-Pivot Hydro Swing<sup>®</sup> 1014.** The latest innovation of the newest concept in a pull-type windrower. Featuring a center-pivot tongue which permits cutting on either side of the tractor. Other features include: Hydrostatic header drive and hydraulic positioning of 12' and 14' headers.
- 4 Model PT-10 & PT-7 Windrowers.** Direct-feed pull-types in 9'3" and 7' sizes, designed to save the leaves.
- 5 HESSTON StakHand Systems 60-A, 30-A, 10.** Three complete Hesston StakHand<sup>®</sup> hay handling systems for compressed Hesston HayStaks from 1¼ to 6 tons. Includes StakMover and StakFeeder models for one-man haying.
- 6 StakHand Owners Report.** StakHand owners tell of their experiences using the StakHand System. Full of figures and facts about actual results on U.S. and Canadian farms and ranches.
- 7 Quality Hay Booklet.** A highly informative report on how to get the most nutritional benefits out of your haying program—from planting to feeding. Includes hay, corn and other crops handled as forages.
- 8 StakHand in Stover Booklet.** Explains how to beef up your feeding program by using the Hesston StakHand System to turn crop trash into pounds of beef.
- 9 Forage Harvesters.** Complete line of pull-type forage harvesters, including the medium-duty Model 7020, and the high-capacity Model 2000-100 and 2000-150. All with a variety of headers.
- 10 Forage to Storage Booklet.** Covers the basic steps in planning your operation, preparing for the harvest plus many harvesting tips.
- 11 Audio Visual Service Programs.** See reverse side of this card.

ORDER FORM ON INSIDE BACK COVER OF THIS FLAP.





### STOP - LOOK - LISTEN



#### AUDIO VISUAL SERVICE PROGRAMS

Designed to help owners and operators:

**ADJUST  
MAINTAIN  
SERVICE  
REPAIR**

#### HESSTON FARM EQUIPMENT

The newest innovation in service programs makes it possible — and easy — for you to learn everything you want to know about your Hesston equipment. This new Audio Visual program consists of an illustrated book and cassette tape that provide simple — but complete information on each product.

Each illustration is explained on the tapes so you can easily learn — at your own pace — anywhere and anytime you can listen to the tape. Just by looking and listening, you can learn how to reduce downtime, reduce repair expense, and solve service problems in the field.

#### ASK YOUR HESSTON DEALER - NOW!

Check the attached card for more information.

(The same programs are sold to Hesston dealers for their own use and include a nominal charge to cover cost of books and tapes.)

**RETURN POSTAGE-PAID CARD BELOW FOR YOUR FREE COPIES!**

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ COUNTY \_\_\_\_\_

STATE \_\_\_\_\_ ZIP \_\_\_\_\_

I have \_\_\_\_\_ tons of harvested hay; \_\_\_\_\_ tons of grain;

\_\_\_\_\_ tons of forage; \_\_\_\_\_ head of dairy cattle;

\_\_\_\_\_ head of beef cattle.

I am a Farmer ☐ Student ☐ Dealer ☐



Farm Equipment Division  
Hesston, Kansas 67062

Please send me free copies of the booklets marked

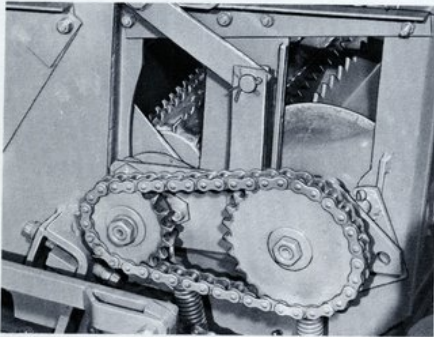
- ☐ 1. Model 6600 Hydro-Static Windrower
- ☐ 2. Model 6400 Hydro-Static Windrower
- ☐ 3. The Center-Pivot Hydro Swing® 1014
- ☐ 4. Model PT-10 & PT-7 Windrowers
- ☐ 5. HESSTON StakHand® Systems 60-A, 30-A, 10
- ☐ 6. StakHand Owners Report
- ☐ 7. Quality Hay Booklet
- ☐ 8. StakHand in Stover Booklet
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- ☐ 10. Forage to Storage Booklet
- ☐ 11. Audio Visual Service Programs



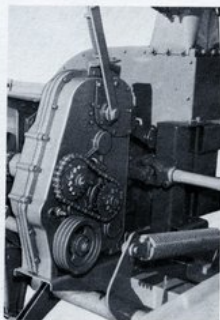


### Get these features as standard equipment...

Some aren't even available  
as extras on other machines!

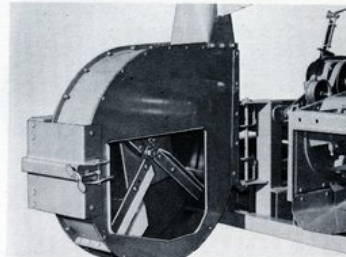


**Feed roll assemblies** in all Hesston pull-types compress the crop and hold it tightly against the shear bar. This assures a clean, crisp, uniform cut without a drag apron and keeps dirt and trash out of the cutter. The chain drive design of the four rollers provides a constant flow of crop to the cutter. Movement of the top rolls is both vertical and parallel. Lower rolls have grass rings to guard against wrapping. (Model 2000-150 shown.)

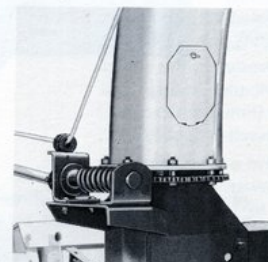
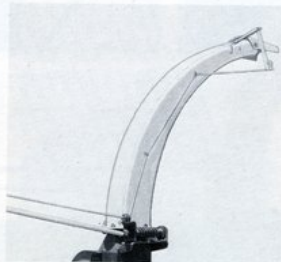


**High-capacity drive trains** efficiently transmit power through a minimum number of working parts. Short jack-shaft with two U-joints takes power from the PTO to drive feed rolls, cutter assembly and header. Power distribution and feed roll drive are by enclosed gears. Speed of the final feed roll drive can be adjusted by changing the roller chain sprocket combinations. (Model 2000-150 shown.)

**Belt blower drive** in all 3 models. The blower housing is mounted directly onto the cylinder housing without any duct or transfer system to shorten the distance of travel from shear bar to fan. Tightening idler keeps belt at proper tension automatically. On the 2000-100 and the 2000-150 models, the entire housing is mounted on a heavy post hinge that swings 90° for easy access to interior of blower, cutter and recutter screens. On the 7020, the lower half of the blower band drops down and out of the way for easy access. Adjustable wagon drawbar is directly behind tongue. (Model 2000-150 shown.)

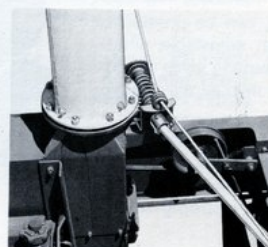
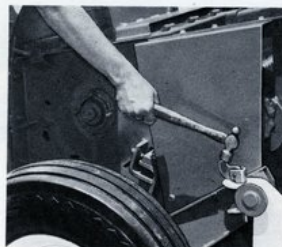


**Self-supporting spouts** rotate 120° in all Hesston pull-types. Rotation and cap control let you place forage anywhere it's wanted in the wagon. (Model 7020 shown.)



**Spout hand hole** in all Hesston pull-type forage harvesters gives convenient access to inside of spout in case of plugging. (Model 7020 shown.)

**Quick release header lock** helps you change from wind-row to row crop header and vice versa in the least amount of time possible. (Model 7020 shown.)



**Standard worm gear spout rotation control** and easy-to-adjust spout cap control let you direct forage anywhere in the wagon—whether it's pulled from the rear or alongside. (Model 7020 shown.)





### 80 tons per hour...with the Hesston 2000-150 pull-type...

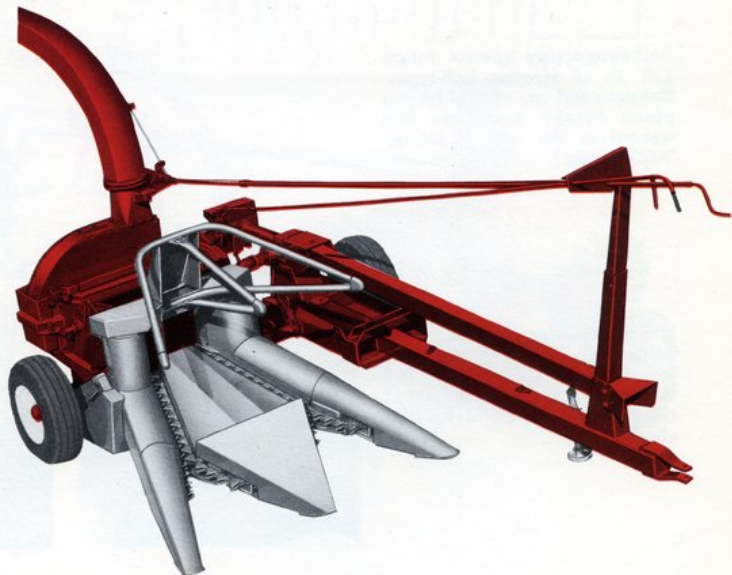
#### First in the industry with a 150 hp drive train rating!

If you've got lots of forage to handle—and you're not quite in the self-propelled class—the 2000-150 is for you. It was the first pull-type forage harvester in the world available with 150 horsepower drive train rating. Just imagine cutting up to 80 tons an hour (timed run in corn), without having the added expense of a self-propelled unit.

How can the 2000-150 offer this kind of performance? Everything about the unit is shear power. From its main drive gear box—which handles up to 150 horsepower (1000 rpm only) off the tractor's PTO—to its massive frame and box beam tongue, the 2000-150 is built to take the brutal punishment your fields can dish out. The box beam tongue, incidentally, can be positioned left or right to handle tractors with adjustable wheel treads. An "underslung" tongue mounting gives superb balance so the tractor wheels are neither overloaded or lifted by the harvester.

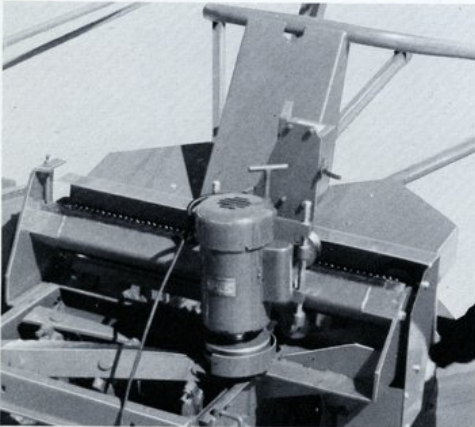
You'll like everything about the Hesston 2000-150 pull-type...especially its reliability. And Hesston's secret when it comes to reliability is simple: Simple power transmission, simple drives...simply better engineering.

For the leader in the field of pull-type forage harvesters—the 2000-150 is the one to choose!





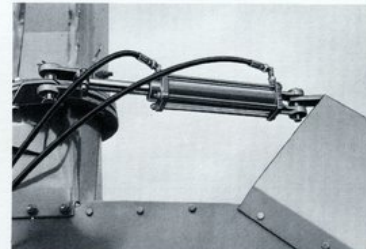
**These extras let you tailor your pull-type to get top efficiency out of your forage harvesting program!**



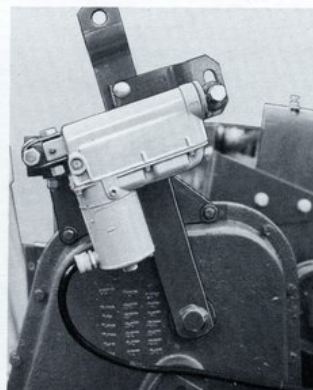
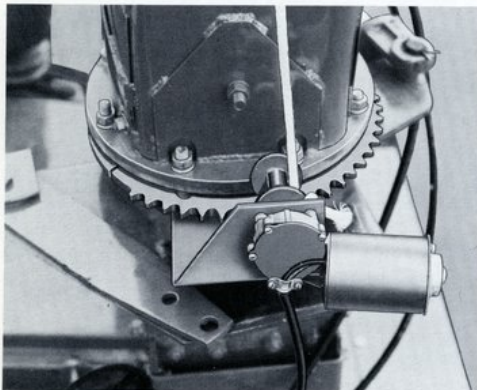
**Optional in-head grinder** may be used on all Hesston pull-types. Cutter knives are so easy to reach that rebeveling and sharpening can be handled conveniently at any electrical outlet.



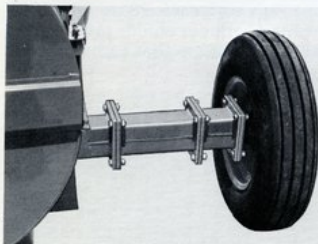
**Haylage recutter kit** available as an extra for all Hesston pull-types. One inch bar spacing with secondary cutting bar gives 49% more efficiency than a standard three inch recutter screen.



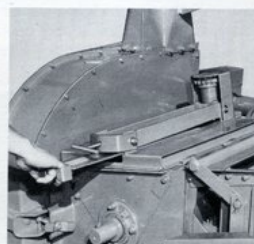
**Hydraulic spout rotation control.** Gives you easy, positive hydraulic control of spout rotation. Ends tiresome hand cranking. Extra equipment on all Hesston pull-types.



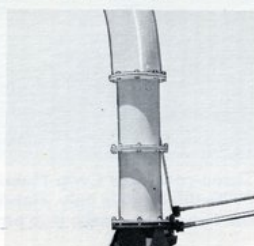
**Electric spout deflector and transmission controls.** Complete electric package for push-button control of feed roll transmission shifting and spout deflector. Available as extra equipment on all Hesston pull-types.



**Wheel extensions**, to fit Hesston pull-types to different row widths, are available as extra equipment on the 7020 (shown above) and as **standard** telescoping extensions on the 2000-150 and 2000-100.



**Touch-up stone** (available as extra equipment) lets you stop and sharpen the cutter knives whenever and wherever they need sharpening. (Model 2000-150 shown.)



**Spout extensions.** 15" vertical and 26" horizontal spout extensions available as extras on all models. 51" horizontal spout extension with brace available as an extra on 2000-150 and 2000-100 models only.

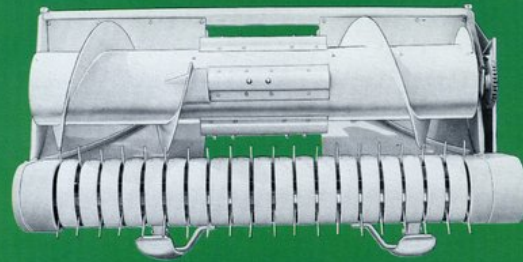


**Recutter screen kit.** Available in ¾, 1, 1½, 2, 3, and 4" sizes for the 2000 models. 1, 2, 3 and 4" sizes for the 7020.

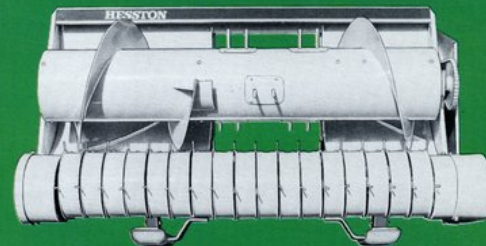


## Hesston Corporation brochure

**6-foot windrow pickup header for 2000-150 and 2000-100 pull-types.** The full 72" width lets you pick up hay even in double windrows. Retractable fingers and auger flight extensions provide a positive, even flow of hay to the feed rolls. Adjustable skid shoes regulate operating height of the header and are positioned away from the corners enabling the reel to pull an extremely wide windrow in over the end. Spring flotation protects the header from obstructions. An over-running clutch allows for reversal of feed rolls and auger independent of pickup tines.



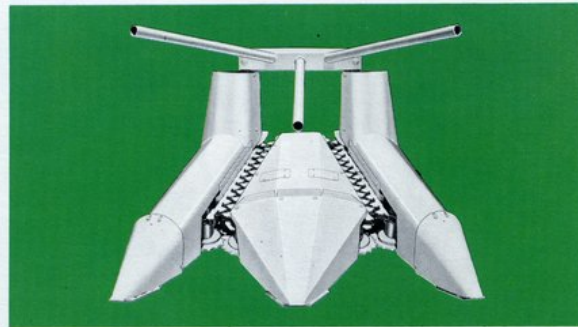
**5-foot windrow pickup header for 7020 and 2000-100.** Same high quality design characteristics of the 2000 series windrow pickup in a more compact size.



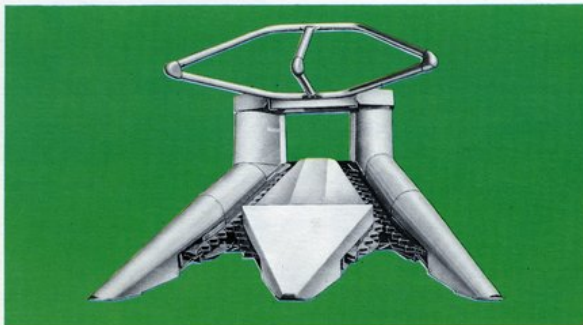
## To change crops...interchange these headers!



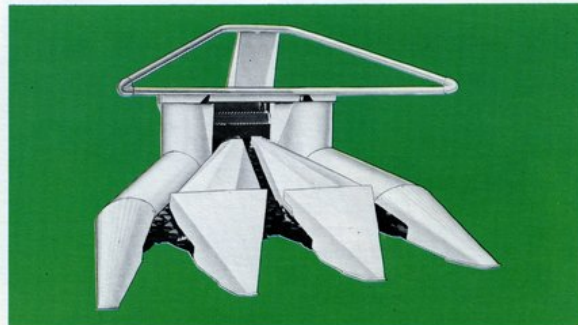
**One-row Row Crop Header with new Twin Cut-Off Disks!** Attaches to any of Hesston's pull-type forage harvesters. Moves fast in heavy crops because Hesston's rotating disks make the most of your tractor's horsepower input.



**Two-row Row Crop Header featuring new Twin Cut-Off Disks!** Fits all three models. For use in crops with rows 28" to 35" apart. Like all of Hesston's row crop headers, gripper chains take control of the crop—eliminating aprons and elevators that can slow your harvest.



**Two-row Row Crop Header—sickle cut-off!** Designed for use with all three models. Different headers are available to cut rows spaced 34" to 42" apart.



**Three-row Row Crop Header—sickle cut-off for 2000-150 and 2000-100 models only.** Handles rows spaced from 28" to 32". Like the two-row models, it is protected by spring flotation.





### SPECIFICATIONS—HESSTON 7020 FORAGE HARVESTER

Specifications subject to change without notice

Transport Width . . . . . 98 1/2"	Cylinder:	Attachment Specifications:	Extra Equipment:
Transport Height . . . . . w/spout . . . . . 107 1/2"	Size . . . . . 20" wide	One-row Row Crop	High Flotation Tires
Overall Length . . . . . 178"	by 16" dia.	Header	Recutter Screen & Kit
wo/spout . . . . . 178"	Knives . . . . . 6	Weight . . . . . 600 lbs.	1", 2", 3", 4" . . . . . available
Approximate Weight . . . . . 2050 lbs.	Length . . . . . 21"	Cut-Off Disk Speed . . . . . 270 rpm	1" Haylage Recutter . . . . . available
wo/Header . . . . . 2050 lbs.	Knife Mounts . . . . . 3 per knife	Two-row Row Crop	Tungsten Carbide
Tire Size:	Length of cut . . . . . 3/16" to 3/4"	Header (Disk)	Knives
Right Side . . . . . 7.60 x 15	Speed . . . . . 1080 rpm	(28" to 35" rows)	(Set of six) . . . . . available
Left Side . . . . . 7.60 x 15	Blower:	Weight . . . . . 750 lbs.	Rebevel Grinder . . . . . available
Feed Rolls:	Size . . . . . 36"	Cut-Off Disk Speed . . . . . 270 rpm	Hydraulic
Front (2) . . . . . 9 1/4" dia. sawtooth	Blades (4) Width . . . . . 8"	Two-row Row Crop	Spout Control . . . . . available
8 1/2" dia. fluted	Speed . . . . . 650 rpm	Header (Sickle)	15" Vertical Spout
Rear (2) . . . . . 6" dia. corrugated	Spout (self-supporting):	(35" to 40" rows)	Extension . . . . . available
5 1/4" dia. smooth	Rotation . . . . . 120°	Weight . . . . . 875 lbs.	26" Horizontal Spout
Cutter:	Control . . . . . Manual	Cutting speed . . . . . 600 cpm	Extension . . . . . available
Throat Opening . . . . . 139 sq. in.	Spout Liner . . . . . standard	Windrow Pickup	Over-running Clutch . . . . . available
Shear Bar . . . . . 3/4" x 1 1/2"	Chassis:	Header	Touch-up Stone . . . . . available
One tungsten	Tractor (HP required) . . . . . 35 to 85	Weight . . . . . 650 lbs.	
carbide edge	PTO . . . . . 540 rpm	Width . . . . . 60"	

### SPECIFICATIONS—HESSTON 2000 FORAGE HARVESTERS

Specifications subject to change without notice.

MODEL	2000/150	2000/100	MODEL	2000/150	2000/100	MODEL	2000/150	2000/100
Transport Width . . . . . 111"	111"		Knives . . . . . 6	same		Header Specifications (Standard headers		
Transport Height . . . . . 156"	156"		Tungsten	available		attach to 2000/150 and 2000/100. Sickle		
with Spout . . . . . 156"	156"		Carbide . . . . . standard	same		speed for all Row Crop Headers is 600 cpm.		
Overall Length . . . . . 184"	184"		Length . . . . . 23"	same		Rotary disk speed is 270 rpm.)		
without Spout . . . . . 184"	184"		Width . . . . . 3 1/2"	same		One-row Row Crop		
Approximate Weight . . . . . 3115 lbs.	3000 lbs.		Thickness . . . . . 3/8"	same		Header (Disk) . . . . . 600 lbs.	same	
without Header . . . . . 3115 lbs.			Knife Mounts . . . . . 3 per knife	same		Two-row Row Crop		
Tire Size:			Length of cut . . . . . 3/16" to 3/4"	same		Header (28" to		
right side . . . . . 9.50L x 15	9.50L x 15		Speed . . . . . 1000 rpm	1000 rpm		35" row spacing)		
left side . . . . . 9.50L x 15	9.50L x 15			w/1000 rpm		(Disk) . . . . . 750 lbs.	same	
Feed Rolls				PTO		Two-row Row Crop		
Front (2) . . . . . 9 3/4" dia.				1080 rpm		Header (35" to		
sawtooth	same			w/540 rpm		40" row spacing)		
8 1/2" dia.				PTO)		(Sickle) . . . . . 875 lbs.	same	
fluted	same		Blower (separate			Three-row Row Crop		
6" dia.			from cutter)			Header (28" to		
corrugated	same		Size . . . . . 36"	same		32" row spacing)		
5 1/4" dia.			Blades (4) Width . . . . . 8 1/2"	same		(Sickle) . . . . . 1275 lbs.	same	
smooth	same		Speed . . . . . 712 rpm	same		Windrow Pickup		
Adjustable			Spout (self-supporting):			Header (Re-		
to 6 speeds			Rotation . . . . . 120°	same		tractable finger		
with sprockets	same		Control . . . . . Manual with	same		type) . . . . . 715 lbs.	same	
Cutter			lever			Width . . . . . 72"	same	
Throat Opening . . . . . 139 sq. in.	same		Chassis					
Shear Bar . . . . . 3/4" x 1 1/2"			Tractor hp . . . . . Up to 150 hp	Up to 100 hp				
One Tungsten			PTO . . . . . 1000 rpm	1000 rpm &				
Carbide edge	same			540				
Cylinder						Extra Equipment: 3/4", 1", 1 1/2", 2", 3" and 4"		
Size . . . . . 22" wide x						Recutter Screen & Kit; 1" Haylage Recutter		
16" dia.	same					Kit; Rebevel Grinder; Hydraulic Spout Con-		
						trol; 15", 26" and 51" Spout Extensions (51"		
						size includes brace); touch-up stone.		

### SPECIFICATIONS—HESSTON FORAGE HARVESTER ATTACHMENTS

Specifications subject to change without notice.

	Model 7020	Model 2000-150	Model 2000-100		Model 7020	Model 2000-150	Model 2000-100
One-row Row Crop				Three-row Row Crop			
Header (Disk)				Header (28" to 32" rows)			
Cutting speed . . . . . 270 rpm		same	same	Cutting speed . . . . . NA	600 cpm	same	
Weight . . . . . 600 lbs.		same	same	Weight . . . . . NA	1275 lbs.	same	
Two-row Row Crop				Windrow pickup header			
Header (Disk) (28" to 35" rows)				(retractable finger type)			
Cutting speed . . . . . 270 rpm		same	same	Width . . . . . 60"	72"	72"	
Weight . . . . . 750 lbs.		same	same	Weight . . . . . 650 lbs.	715 lbs.	715 lbs.	
Two-row Row Crop							
Header (Sickle) (35" to 40")							
Cutting speed . . . . . 600 cpm		same	same				
Weight . . . . . 875 lbs.		same	same				



## Hesston Pull-Type Forage Harvesters

MODELS 2000-150,  
2000-100 and 7020

First with a better way.



HESSTON