

Secondary Tillage

# LANDSTAR™ 6405



[www.KuhnNorthAmerica.com](http://www.KuhnNorthAmerica.com)



**Invest in Quality®**

# THE PREMIER SEEDBED MANAGEMENT SYSTEM

## ACCEPTING TODAY'S RESIDUE CHALLENGE

Increased residue due to higher yields, Bt corn varieties and less "overwinter" stalk deterioration are just a few of the situations that can push field cultivator seedbed preparation systems beyond their design capabilities. The Landstar answers this challenge.

## SOLUTIONS

Utilizing a unique 5-step tillage system, the Landstar offers unmatched productivity with a 6-bar frame for non-stop residue handling. Sizes to 36 feet produce up to 320 acres per day of ideal seedbed.

## LANDSTAR VALUE

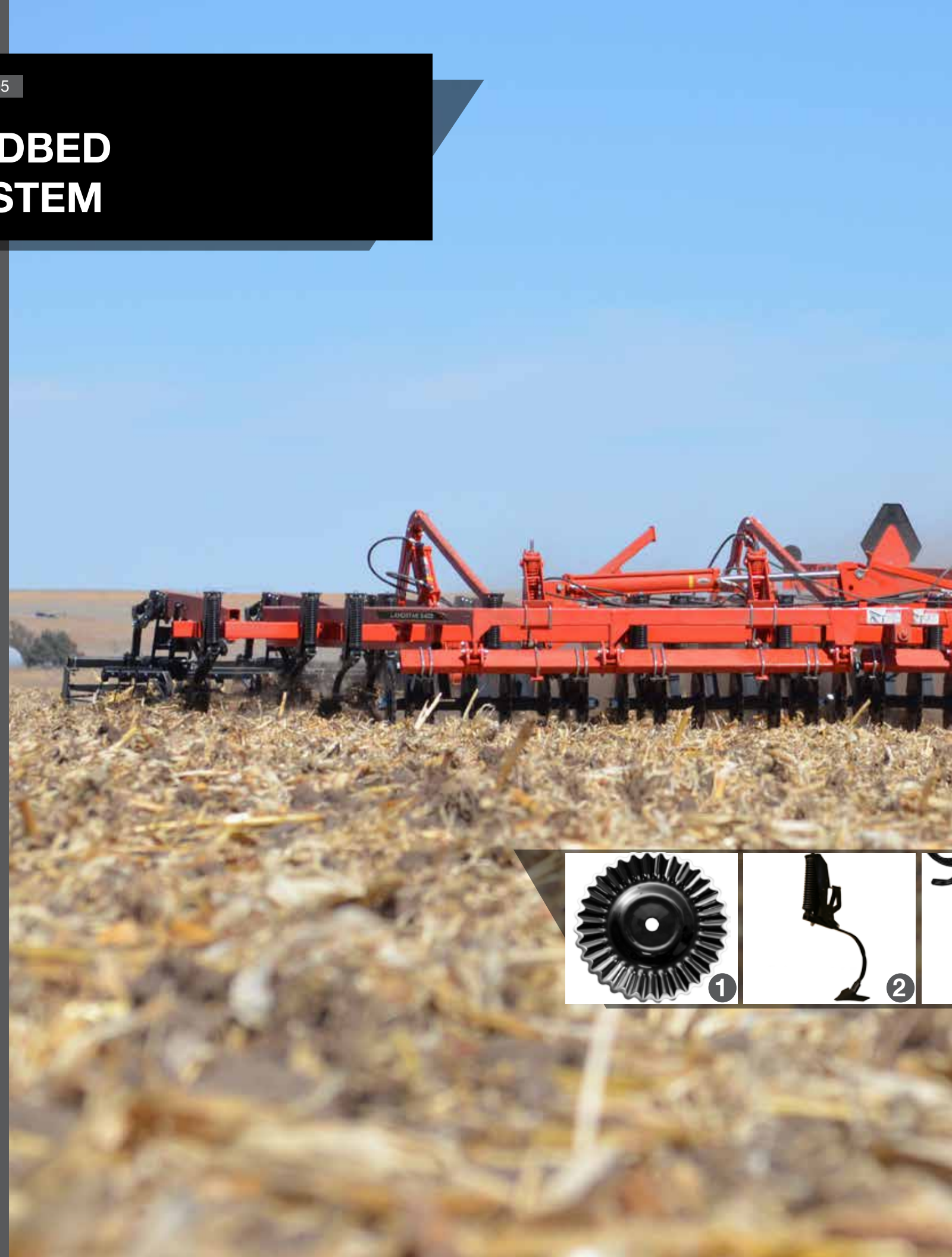
The agronomic benefits provided by the Landstar 5-step tillage system culminate in increased yield potential. Increasing crop yield is the most effective way to increase profitability. Independent agronomic and university studies have shown the 5-step tillage system provided superior yields to field cultivator and no-till systems.

## COMBINATION SOIL FINISHER

## LANDSTAR™ 6405

in brief

Models	Working Width	Number of Blades	Number of Disc Blades
6405-18	18'	25	24
6405-21	21'	29	26
6405-24	24'	33	32
6405-27	27'	37	36
6405-31	31' 6"	43	40
6405-36	36'	49	46



Combination Soil Finisher

## EXCLUSIVE 5-STEP PROCESS

- 1 CUT RESIDUE**  
 Exclusive KUHN Krause Excalibur® VT (Vertical Tillage) blades with their 32-flute edge aggressively size residue for smooth flow through the machine. The 8° rear-angled gang minimizes lateral soil movement to improve the leveling action of shanks.
- 2 MIX**  
 Cultivator shanks provide thorough mixing action, dislodge weeds and settle soil. The Landstar offers 9" spacing for maximum residue handling capabilities.
- 3 RECOVER RESIDUE**  
 Exclusive Star Wheel™ treaders cut clods, dislodge soil from weeds and root crowns, level ridges and recover residue evenly distributing it in the seedbed and on the soil surface.
- 4 LEVEL SOIL**  
 Tine harrows provide excellent leveling action and residue distribution. Harrow adjustments can be made easily by hand for a variety of field conditions.
- 5 ENHANCE SEEDBED CONDITION**  
 The exclusive 24/7® soil conditioning reel, available in 3-row tine with reel, accomplishes final clod sizing and soil firming with the ability to select a range of constant down pressure or float position to extend the weather/tillage window.



### Return on Investment

- One pass with the Landstar offers these economic benefits:
- Reduction of tillage trips by at least one pass
  - Decreased fuel consumption
  - Efficient use of available labor

# MANAGE RESIDUE

Crop residue management is critical to a healthy, productive soil environment. Sized residue, properly mixed into the soil, minimizes soil compaction and aids moisture infiltration. Residue cover provides protection against soil erosion from heavy rainfall and high winds.

The front-mounted gangs on the Landstar™ are the beginning of this crop residue management process. An 8° gang angle and Excalibur® VT (Vertical Tillage) blades combine to minimize lateral soil movement. The exclusive 32-flute Excalibur VT blades uniformly size residue and begin the leveling process. The 9-1/8" blade spacing provides 24% more residue cutting force than competitive models with narrower blade spacing. Hydraulic disc gang depth adjustment is standard.



## MAXIMUM RESIDUE CAPACITY

Residue, cut by the disc gangs, flows easily through the Landstar shanks. Weeds are undercut and uprooted. For fall-tilled or minimum-till conditions, choose the spring mount shank. For standing stubble or tougher soil conditions, choose the exclusive XT270 shank featuring a 270 pound point load.

# RECOVER RESIDUE

The uniquely designed KUHN Krause Star Wheel™ treaders aggressively mix soil and residue, pulverizing large clods while anchoring residue to the soil surface. This action protects residue from blowing winds or washing rains, and begins the decomposition of residue into valuable organic matter.

The 16" diameter, ductile iron Star Wheel treaders are mounted in pairs at a 25° angle with spring down pressure allowing them to contour over varying field conditions, evenly distributing residue across the soil surface for a uniform finish.



## Agronomic Choices

### SHANK OPTIONS

		Edge-On Shank	Flat Shank
		Lowers draft (less horsepower required)	Provides best soil and residue mixing
		Best performance in low to moderate residue conditions	Best performance in high residue conditions
Spring Mount	190 lb. point load maintains consistent depth in hard soils		
	15" trip height for protection in rocky soils		
Ultra-rigid shank assembly virtually eliminates side-to-side movement			
XT270 Spring Mount	270 lb. point load		
	Heavy 2" x 3/4 Shank size for 7" max. working depth		

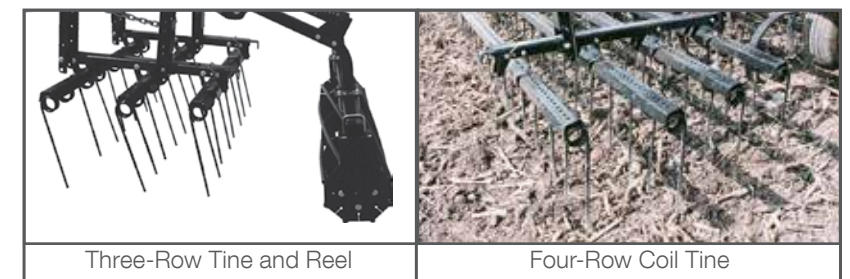
### Spring Mount Design

The KUHN Krause spring mount design utilizes a single bolt to clamp the mount to the beam. This design provides greater strength and stability at the clamping surface for years of reliable operation.



### 24/7® Leveling Systems

KUHN Krause offers two harrow options to meet your specific soil and residue requirements. These harrows are available for all sizes and provide time saving features to increase overall productivity.



Dry ← Soil Moisture Level → Wet

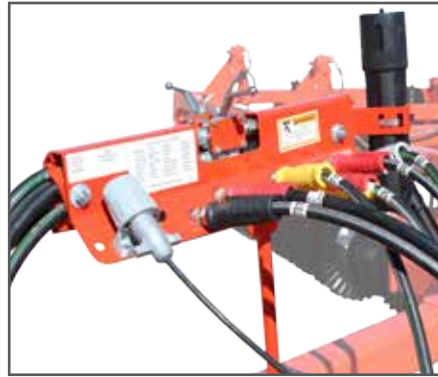
Customized to fit your operation

## ADDITIONAL FEATURES



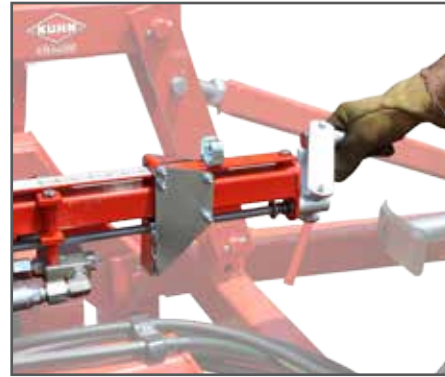
### GUARDIAN HITCH™

This exclusive option guards against stress on the tractor drawbar and implement frame. Lateral drawbar forces are transferred through the hitch pivot, where shock load from steering correction is dampened by urethane blocks.



### TRACTOR INTERFACE CENTER

This standard feature prevents hydraulic hoses from binding in turns and adds operator convenience. The tractor interface system includes a hose routing chart, color coded hose grips, storage for light hookup and the owner's manual.



### SINGLE-POINT DEPTH CONTROL

Standard on all Landstar™ models, single-point depth control allows fine tuning of working depth for precise seedbed conditions. The depth indicator is located on top of the tube for easy viewing.



### GANG DEPTH ADJUSTMENT

Hydraulic gang depth adjustment is spring cushioned to protect against rock damage and allows on-the-go depth setting from equal to or 5" above the sweeps. This allows tailoring of residue coverage for fragile and non-fragile crop residues.



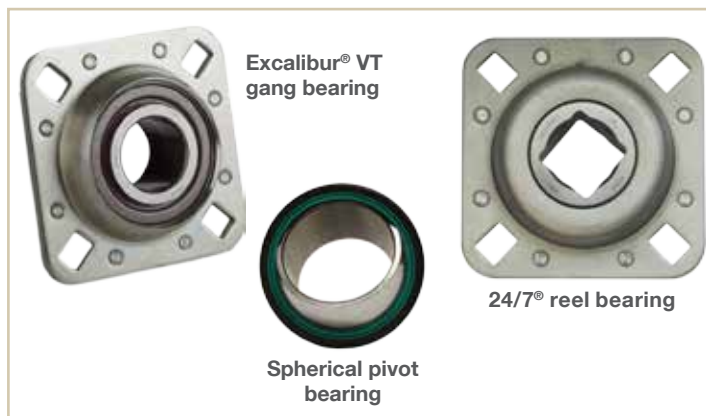
### WALKING BEAMS

Walking beams allow for consistent working depth on rough ground and more stable road transport. The Landstar™ features walking beams on all machine sizes.



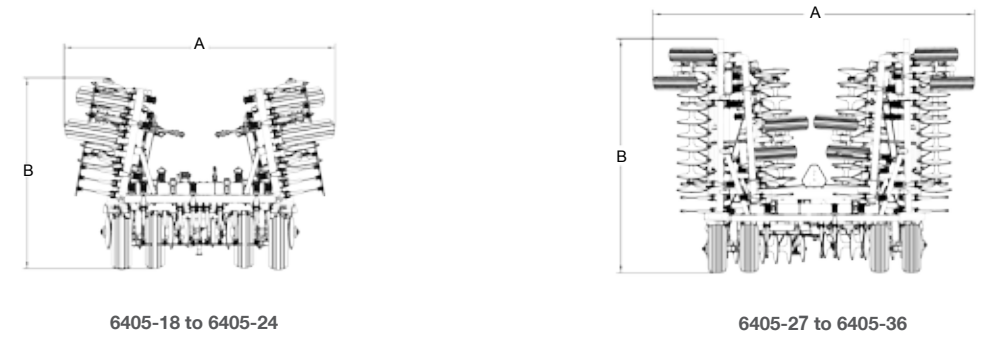
### TWO REEL OPTIONS AVAILABLE

Choose from two agronomic conditioner designs. The heavy-duty round spiral reel provides clod sizing and firming in mellow, loam-type soils, and offers better performance in wet conditions. The heavy-duty flat spiral reel provides aggressive clod sizing in hard or high clay content soils.



## MAINTENANCE-FREE BEARINGS

- No daily grease maintenance required for the PEER® TILLXTREME™ maintenance free bearings, now incorporated into the Excalibur® VT gang assemblies and 24/7® conditioning reels.
- Spherical pivot bearing for each walking beam assembly requires no grease, along with rocker and wing hinge pivots.











### Model Specifications

	6405-18	6405-21	6405-24	6405-27	6405-31	6405-36
<b>DIMENSIONS</b>						
A Transport Width <sup>1</sup>	12' / 3.7 m	12' / 3.7 m	12' / 3.7 m	14'11" / 4.6 m	14'11" / 4.6 m	14'11" / 4.6 m
B Transport Height <sup>1</sup>	9'6" / 2.9 m	11' / 3.4 m	12'6" / 3.8 m	12'6" / 3.8 m	14'6" / 4.5 m	13'6" / 4.1 m
<b>SPECIFICATIONS</b>						
Frame Type	3-Section			5-Section		
Number of Disc Blades	24	26	32	36	40	46
Shank Spacing	9" / 22.9 cm					
Number of Shanks	25	29	33	37	43	49
Working Width	18' / 5.5 m	21' / 6.5 m	24' / 7.4 m	27' / 8.3 m	31'6" / 9.7 m	36' / 11 m
Approximate Weight (lb/kg)	12,441 / 5 643	13,301 / 6 033	15,208 / 6 898	17,472 / 7 925	19,386 / 8 793	22,765 / 10 326
<b>STANDARD EQUIPMENT</b>						
- Hitch Type	Combination CAT III Cast Clevis 1-1/2" pin with Cast C Clevis 1-1/4" Pin			Guardian Hitch™, 2" Pin Hole		
- Leveling	Turnbuckle Adjustable, Self-Leveling Hitch					
- Hydraulics	Color-Coded Hydraulic Hose Grips, Royal Plate Plus® Cylinder Rods					
- Transport Locks and Safety	Hydraulic Valves, Transport and Wing Fold, High Visibility LED Lighting, SMV Sign					
- Gang	20", 5 mm Excalibur VT Blades on 9-1/8" Spacing, Hydraulically Adjustable, Coil Spring Cushioned, 1-3/4" Diameter Gang Bolts, 6" Heavy-Duty Cast Iron Spools, PEER® TILLXTREME™ Maintenance-Free Bearings, Trash Bars					
- Disc Gang Angle	8 Degrees					
- Spring Cushioned Shanks	1-3/4" x 5/8" Shank Size, 190 lb. Point Load, Edge-On or Flat Shank Design, 25" Frame Clearance, 6" Maximum Working Depth, 10" Sweeps					
- Center Section Tires	Four 11L x 15 12-ply Walking Beams with Slip-In Spindles, Maintenance-free Spherical Bearings, 6-Bolt Heavy-Duty Hubs		Four 11L x 15FI, Walking Beams with Slip-In Spindles, Maintenance-free Spherical Bearings, 6-Bolt Heavy-Duty Hubs		Four 340/60R 16.5 Walking Beams with Slip-In Spindles, Maintenance-free Spherical Bearings, 8-Bolt Heavy-Duty Hubs	
- Wing Frame Tires	Two IF240/80R15 Walking Beams with Slip-In Spindles, Maintenance-free Spherical Bearings, 6-Bolt Heavy-Duty Hubs		Two IF280/70R15 Walking Beams with Slip-In Spindles, Maintenance-Free Spherical Bearings and 6-Bolt Heavy-Duty Hubs		Each Wing: Two IF240/80R15, Walking Beams with Slip-In Spindles, 6-Bolt Heavy-Duty Hubs	
<b>Optional Equipment</b>						
- XT270 Shanks	XT270 Heavy-duty Spring Cushioned Shanks on 9" Spacing, 270 lb Point Load, 2" x 3/4" Shank Size, 26" Underframe Clearance, 7" Maximum Working Depth, 10" Sweeps					
- Finishing Attachments	24/7 3-Row Tine and Spiral HD Reel Combination Equipped with Spial Flat Bar and PEER® TILLXTREME™ Maintenance-Free Bearings					
<b>Operating Information</b>						
Recommended Speed of Operation	5 - 7.5 mph / 8 - 12 km/h					
Recommended Working Depth <sup>2</sup>	1" - 6" / 2.5 cm - 15.2 cm					
Recommended Tractor Power Range <sup>3</sup>	7 - 9 PTO HP per Foot / 5 - 7 kW per Foot					

<sup>1</sup> Approximate transport width, height and weight shown with optional finishing attachments  
<sup>2</sup> Maximum 7" working depth when equipped with XT270 shanks  
<sup>3</sup> Estimates only. Horsepower requirements will vary by geography and soil type.

# PRODUCT SYSTEMS

## PRODUCT SYSTEMS

	Fall	Spring
DOMINATOR® / LANDSTAR™		
LANDSAVER® / LANDSTAR™		
8315 CLASS III Disc Harrow / LANDSTAR™		
4830 In-Line Ripper / LANDSTAR™		

## Most Complete Secondary Tillage Line on the Market



1. LANDSMAN® 6205 / 2. 5635 Field Cultivator / 3. 4400 Packer / 4. EXCELERATOR® 8005

For more information about your nearest KUHN Krause dealer and other KUHN Krause products, visit our website

[www.KuhnNorthAmerica.com](http://www.KuhnNorthAmerica.com)



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Your KUHN Krause dealer

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