

# S-Tine Cultivators / Harrows



## S-Tine Cultivators/Harrows



### Harrows

SUPERHARROW SERIES

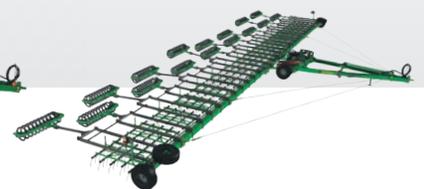


### S-Tine Cultivators

SUPERWEEDER SERIES



### Harrow Packers





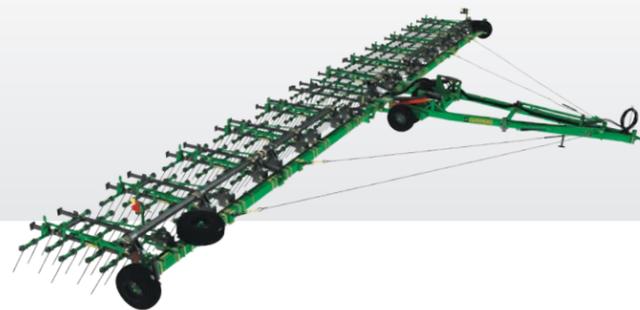
# Field Tested TOUGH!

It's more than a slogan. Field Tested Tough is the entire philosophy behind Summers Manufacturing. Every product from our line of tillage equipment, sprayers, land rollers, rock pickers and mounted attachments has been engineered for maximum performance...and then pushed to the limit in the field. Only after our equipment has passed the toughest tests and proven its longevity does it deserve to have the **SUMMERS** name on it.

	Harrows			S-Tine Cultivators	Harrow Packers	
	SH3960 SERIES	SH3580 SERIES	SH3568 SERIES	SW4350 SERIES	SH7960 SERIES	SH6350 SERIES
Tillage Aggressiveness	High	Medium	Medium	High/Low Variable	High	Low
Field Leveling	✗	✗	✗	✗	✗	✗
Clod Breaking	✗	✗	✗	✗	✗	✗
Weeding	✗	✗	✗	✗		
Moisture Conservation	✗	✗	✗	✗	✗	✗

## Harrows

SH3960 SERIES / SH3580 SERIES / SH3568 SERIES



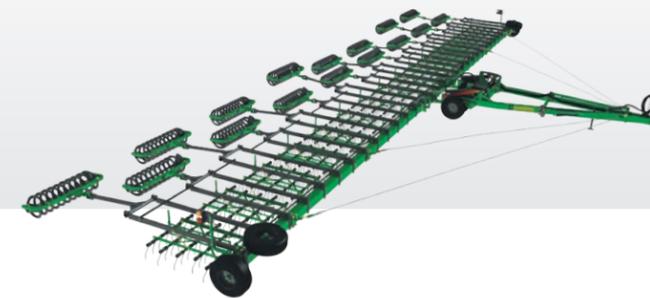
## S-Tine Cultivators

SW4350 SERIES



## Harrow Packers

SH7960 SERIES / SH6350 SERIES



# Harrows

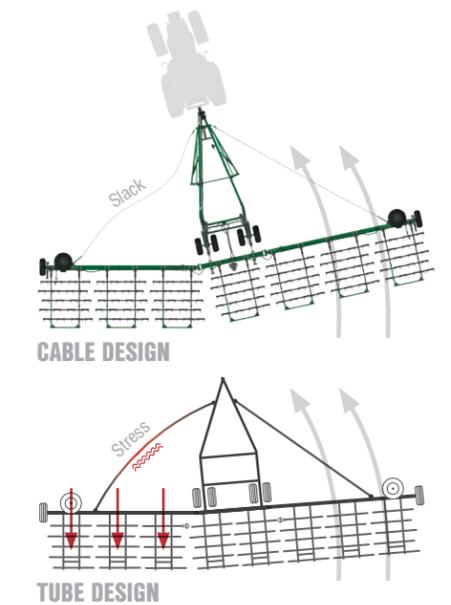
Summers' reputation was built on our original heavy harrows. Ever since we started making them in the 1960s, people recognized Summers as the clear leader in the category. Our harrows are stronger and more aggressive with the ability to handle the toughest residue conditions. Superharrows range from 36 to 88 feet wide and are equipped with different sized tines for varying aggressiveness and the ultimate field finish. Choose from our standard five-bar harrows or the industry leading 8-Bar Superharrow.



MODEL	SECTIONS	HARROWS	WORKING WIDTHS	TOOTH SIZE
SH3960	6' wide	5 bars	36' to 84'	26" long, 9/16" diameter
SH3580	8' wide	5 bars	56' to 88'	26" long, 1/2" diameter
SH3568	6' wide	8 bars	36' to 84'	26" long, 1/2" diameter

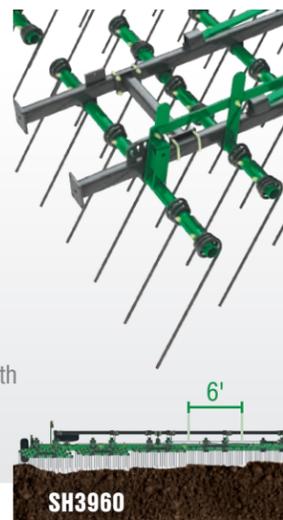
## Auto-Folding Pull Cables

Simply put, cables are better than pull tubes when it comes to harrow design. That's because cables allow easier unfolding from transport to field position. And they're engineered to accommodate the rearward stress that's placed on the inside wing of a harrow during a tight turn. Even more, the Summers auto-folding cable design has a positive lock system and a back-up feature that allows the operator to reverse while the harrow is unfolded to reach isolated areas and tight corners.



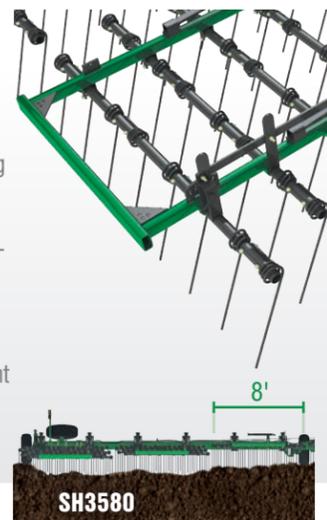
## SH3960 Series

The aggressive **SH3960 Series** is a five bar harrow with 6-foot sections for superior penetration and increased ability to follow ground contours. Its 26-inch-long, 9/16-inch-diameter teeth are oil tempered and spring mounted, with 2.4-inch effective spacing and 16-inch spacing between bars.



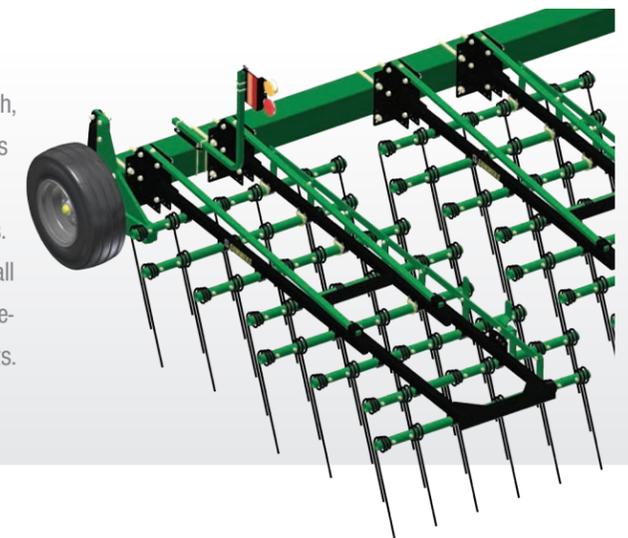
## SH3580 Series

The oil-tempered teeth of the **SH3580 Series** are 26 inches long and 1/2 inch in diameter, with 2.4-inch effective spacing and 16-inch spacing between bars. The sections are 8-feet wide for high performance residue management and field finishing with slightly less aggressiveness.



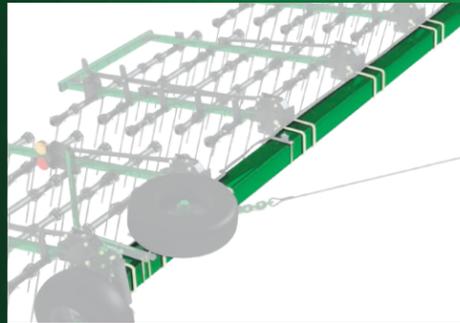
## 8-Bar Superharrow SH3568

With eight gangs of harrows equipped with 1/2-inch diameter teeth, the **SH3568** is an aggressive residue management tool. It produces 60 percent more work compared to standard five bar harrows, which means more clumps and residue busted up in a single pass. Doubling the spring down pressure assures good engagement of all eight rows, and down pressure on the teeth can be adjusted to fine-tune residue flow. The result is an ideal seedbed with fewer defects.



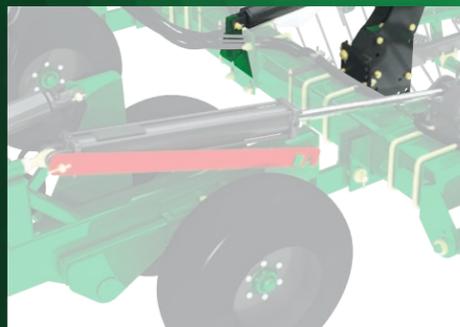


FEATURES & BENEFITS



### Heavy-Duty Drawbar

Our 8-by-8-inch drawbar tube is bigger and stronger than anything else available. It provides maximum strength for pulling the harrow.



### Hydraulic Depth Adjustment

Hydraulic cylinders on the cart and wing wheels allow on-the-go adjustment of down pressure to accommodate different soil conditions and residue. The system provides even down pressure across all harrow bars and offers exceptional ground following ability. The streamlined wing-height adjustment design allows teeth to cover the wheel tracks.



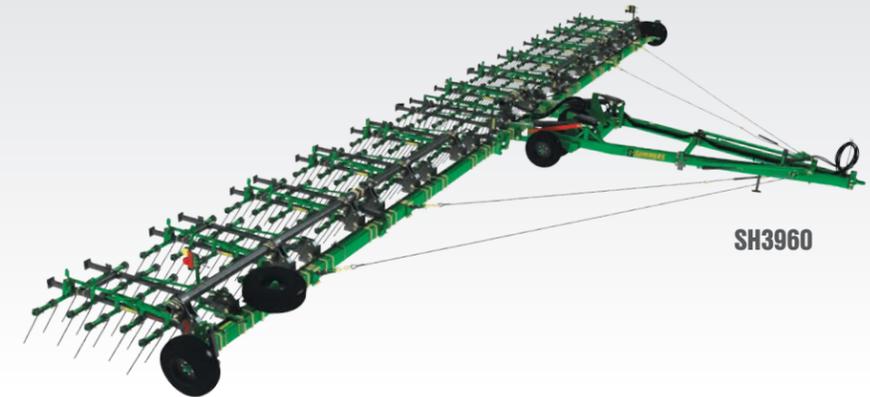
### Top-Mounted Torsion Bar

Our exclusive top-mounted torsion bar springs provide a streamlined design for optimum residue clearance.



### Adjustable Tooth Angle

A spring-loaded adjustment lever allows the operator to angle the teeth up to 45 degrees from vertical position. The front bar adjusts independently of the other four, allowing the front bar to work more aggressively, while the rest of the section clears the residue.



SH3960

SERIES	SH3960					SH3580			SH3568				
	36'	48'	60'	72'	84'	56'	72'	88'	36'	48'	60'	72'	84'
Working Width	36'	48'	60'	72'	84'	56'	72'	88'	36'	48'	60'	72'	84'
Estimated Weight (lbs)	9,500	11,000	12,500	14,200	16,150	11,050	12,950	15,250	10,820	12,760	14,700	16,840	19,230
Transport Width	13' 2"	13' 2"	13' 2" / 14' 2" **			13' 2"			13' 2"				
Center Section Width	12'					8'			12'				
Number of Sections	6	8	10	12	14	7	9	11	6	8	10	12	14
Size of Section	6'					8'			6'				
Hitch Length	22'					22'			22'				
Hitch Construction	4" x 8" tubing					4" x 8" tubing			4" x 8" tubing				
Drawbar Construction	8" x 8" tubing					8" x 8" tubing			8" x 8" tubing				
Hitch Tires (4)	280/70 R15					280/70 R15			280/70 R15				
Drawbar Tires (2)	280/70 R15					280/70 R15			280/70 R15				
Split Hinged Wing Tires**	NA	NA	11L x 15"			NA			NA				
Transport Tires (2)	LT265/75R16E					LT265/75R16E			LT265/75R16E				
Approx. Engine HP*	110-176	147-235	184-294	220-353	257-412	155-275	200-350	245-425	146-230	195-307	244-384	292-461	341-538

\*Engine horsepower required will vary upon soil conditions, tillage depth and operating speed.

\*\*Optional.

### Hydraulic Tooth Angle Adjustment

This option allows the operator to adjust the tooth angle on the go. Available only on SH3960 Series.



### Split Hinged Wing

60- to 84-foot models within the SH3960 Series are available with split hinged wings for unsurpassed ground following capabilities on ground contours.



OPTIONS

# S-Tine Cultivators

The Summers SW4350 Superweeder is the ultimate seedbed preparation tool. Combining four ranks of Vibra™ S-tines with a five-bar culti-harrow, the SW4350 breaks up crusted soil and uproots weeds, while leaving a smooth, level soil profile behind. It's the perfect setup to an outstanding crop year.



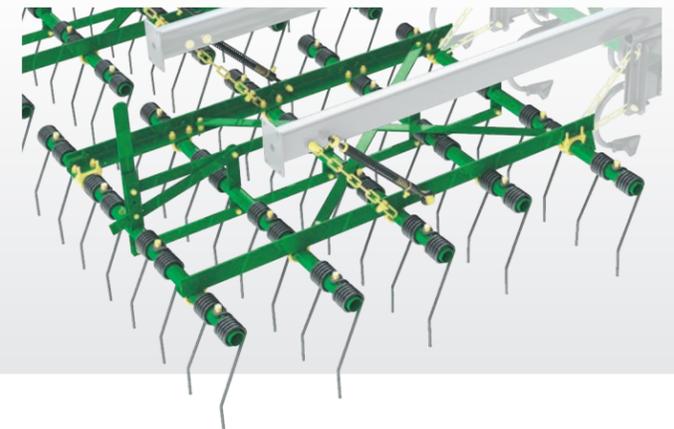
## Vibra S-Tines

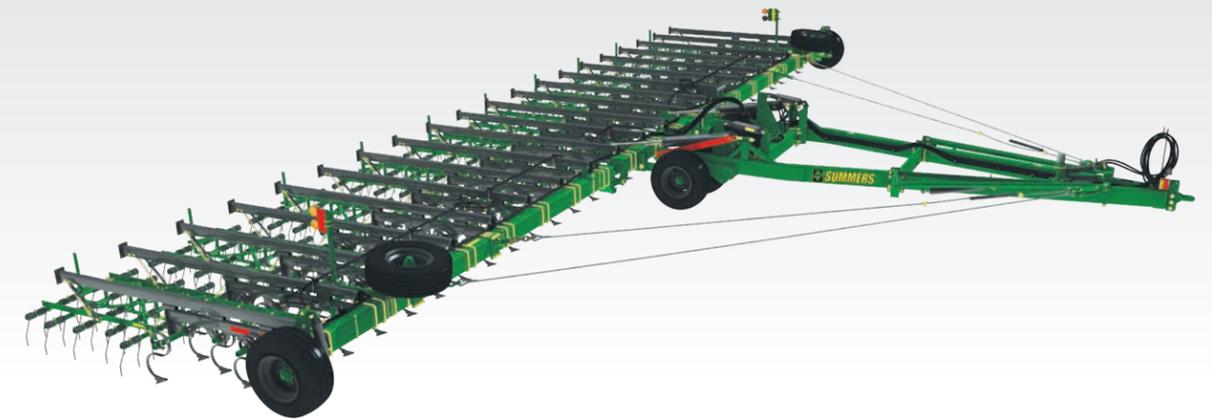
For maximum residue flow the Vibra S-Tines have 5-inch nominal spacing with 16-inch spacing between ranks. A hydraulic adjustment feature allows the operator to control working depth. The S-tines can also be completely raised for harrow-only operation. Extended S-tines are centered behind the wheels to cover tracks.



## Five-Bar Culti-Harrow

Featuring a 3/8-inch by 14-inch bent tooth design, the five-bar culti-harrow is designed to break up even the smallest dirt clumps. It levels and firms the soil profile behind the Vibra S-tines, **resulting in the ideal seedbed.**

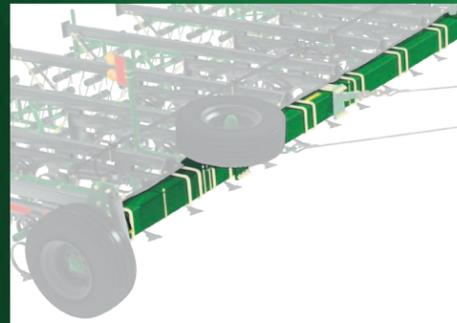




SERIES	SW4350				
Working Width	30'	40'	50'	60'	70'
Estimated Weight (lbs)	10,150	11,850	13,800	16,500	18,300
Transport Width	14' 4"				
Transport Height	12' 8"	12' 8"	12' 8"	12' 8"	12' 8"
Center Section Width	10'	10'	10'	10'	10'
Wing Width	10'	15'	20'	25'	30'
Number of S-Tines	72	96	120	144	168
Number of 5' Harrow Sections	6	8	10	12	14
Hitch Construction	4" x 8" tubing				
Drawbar Construction	8" x 8" tubing				
Hitch Tires (4)	280/70 R15				
Drawbar Tires	280/70 R15 (2)		280/70 R15 (4)		280/70 R15 (4)
Transport Tires (2)	LT265/75R16E				
Approx. Engine HP*	184-245	245-327	306-408	367-490	429-572

\*Engine horsepower required will vary upon soil conditions, tillage depth and operating speed.

FEATURES & BENEFITS



### Heavy-Duty Drawbar

Our 8-by-8-inch drawbar tube is bigger and stronger than anything else available. It provides maximum strength for pulling the unit.

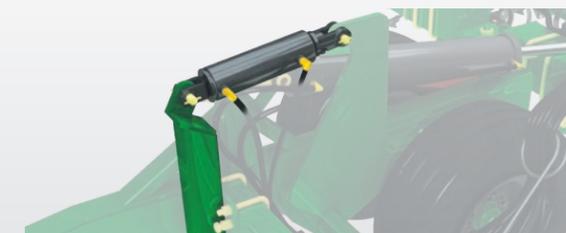


### Auto-Fold

The Superweeder's 22-foot hitch is constructed of 4-by-8-inch steel tubing and has a cable auto-folding design. The cables can be hydraulically released or locked from the tractor seat. A safety spring and manual valve are also included to prevent accidental release in the case of hydraulic pressure failure.

### Hydraulic Depth Adjustment

The hydraulic depth adjustment option includes hydraulic cylinders that raise and lower the drawbar and end wheels. This effectively raises and lowers all S-tines at once for simple, precise depth adjustment.



### Split Hinged Wing

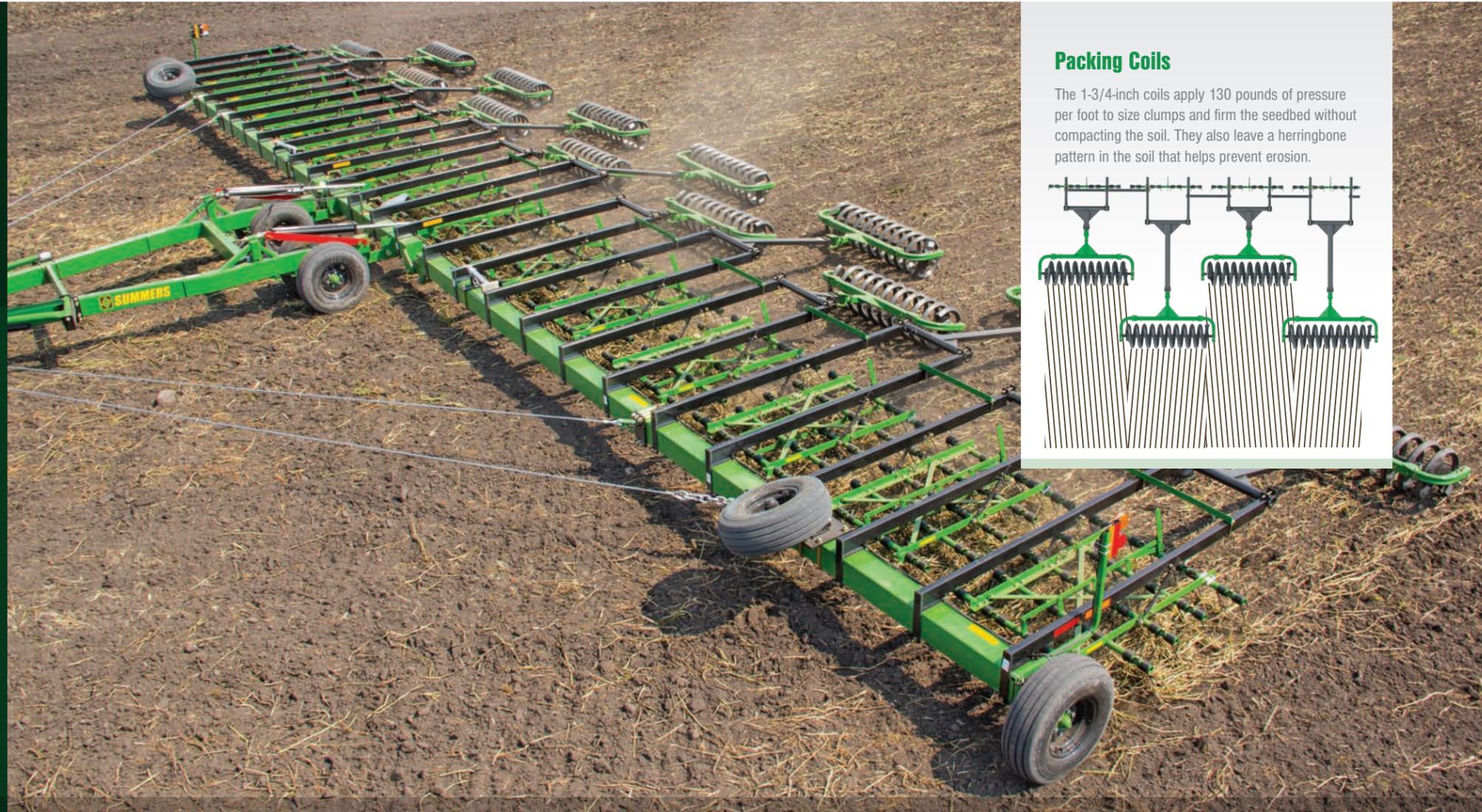
60- to 70-foot models within the SW4350 Series are available with split hinged wings which are hydraulically pinned for transport.



OPTIONS

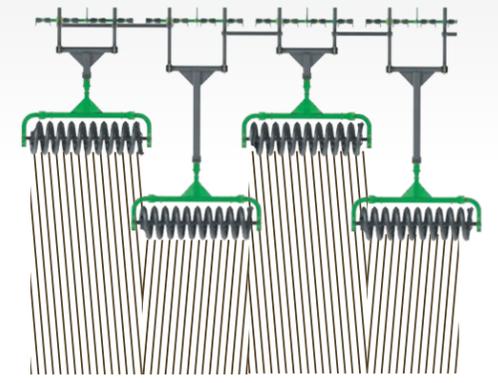
# Harrow Packers

Harrow/packer combination tools offer both light tillage performance and moisture conservation. The front five-bar harrow manages residue and levels the soil profile, while the rear attachments firm the soil to prevent water loss and erosion.



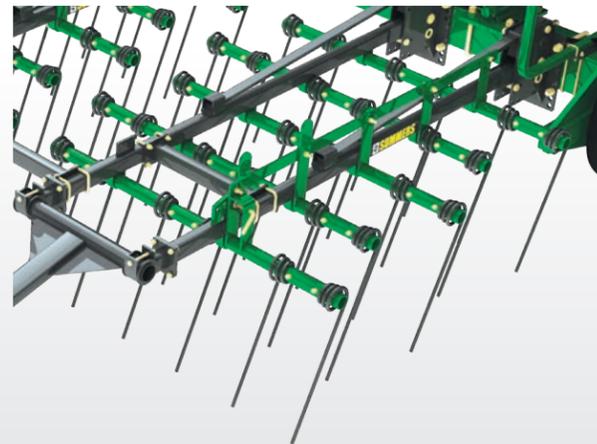
## Packing Coils

The 1-3/4-inch coils apply 130 pounds of pressure per foot to size clumps and firm the seedbed without compacting the soil. They also leave a herringbone pattern in the soil that helps prevent erosion.



## SH7960 Series

The SH7960 Series uses the Summers heavy harrow frame with heavy-duty adjustable teeth. The **26-inch-long teeth have a 9/16-inch diameter** for aggressive action.



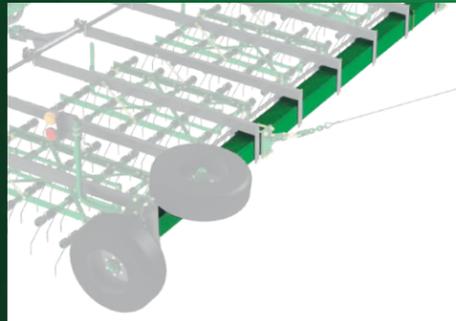
## SH6350 Series

Featuring a **3/8-inch by 14-inch bent tooth** design, the five-bar culti-harrow is designed to break up even the smallest dirt clumps. It levels and firms the soil profile while creating an ideal seedbed.





FEATURES & BENEFITS



### Heavy-Duty Drawbar

Our 8-by-8-inch drawbar tube is bigger and stronger than anything else available. It provides maximum strength for pulling the unit.



### Hydraulic Depth Adjustment

Hydraulic cylinders on the cart and wing wheels allow on-the-go adjustment of down pressure to accommodate different soil conditions and residue. Available on SH7960 Series only.



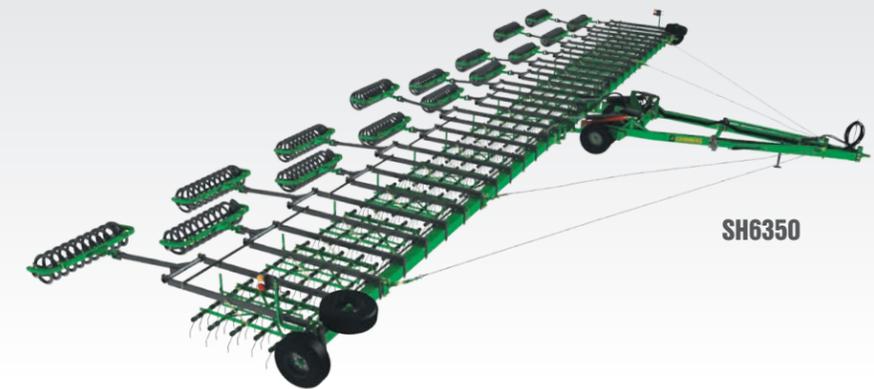
### Auto-Fold

The unit's 22-foot hitch is constructed of 4-by-8-inch steel tubing and has a cable auto-folding design. The cables can be hydraulically released or locked from the tractor seat. A safety spring and manual valve are also included to prevent accidental release in the case of hydraulic pressure failure.



### Box Frame

The heavy-duty box frame construction includes dual wheels on oscillating axles for use on uneven terrain.

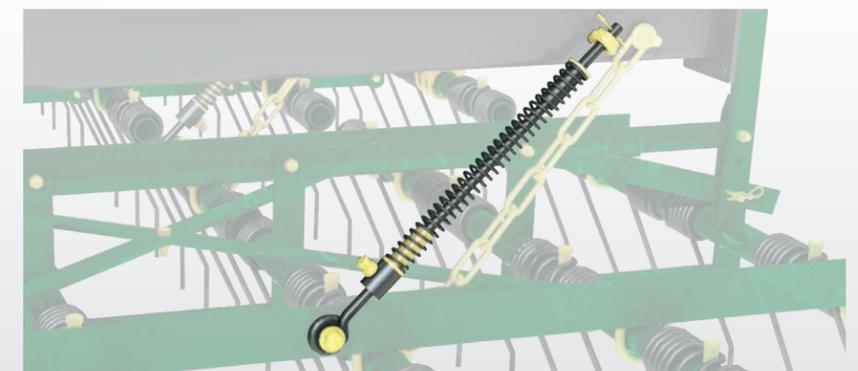


SERIES	SH7960			SH6350			
	36'	48'	60'	40'	50'	60'	70'
Estimated Weight (lbs)	14,700	18,200	21,300	13,460	15,925	18,300	20,740
Transport Width	13' 2"	13' 2"	13' 2"	14' 4"	14' 4"	14' 4"	14' 4"
Transport Height	12'			11'			
Center Section Width	12'			10'			
Wing Width	12'	18'	24'	15'	20'	25'	30'
Number of 5' Harrow Sections	6	8	10	8	10	12	14
Number of Packer Sections	6	8	10	8	10	12	14
Hitch Length	22'			22'			
Hitch Construction	4" x 8" tubing			4" x 8" tubing			
Drawbar Construction	8" x 8" tubing			8" x 8" tubing			
Hitch Tires (4)	280/70 R15			280/70 R15			
Drawbar Tires (2)	280/70 R15			280/70 R15			
Transport Tires (2)	11L x 15" LRF			11L x 15" LRF			
Approx. Engine HP*	143-232	191-309	239-386	122-147	153-184	184-220	214-257

\*Engine horsepower required will vary upon soil conditions, tillage depth and operating speed.

### Down-Pressure Springs

Down-pressure springs provide high performance on heavy soils and other difficult conditions. Standard on SH6350 Series only.



STANDARD FEATURE



See *Field Tested TOUGH™* in action!



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**Tillage**



**S-Tine Cultivators/Harrows**



**Sprayers & Applicators**



**Land Rollers/Coil Packers**



**Rock Pickers**



**Mounted Attachments**



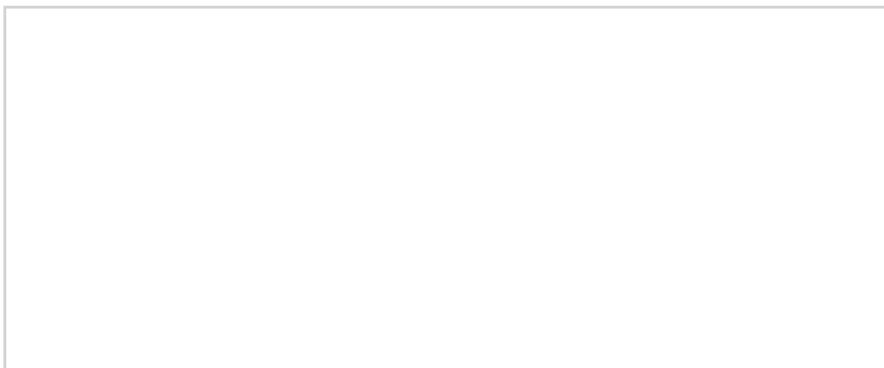
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