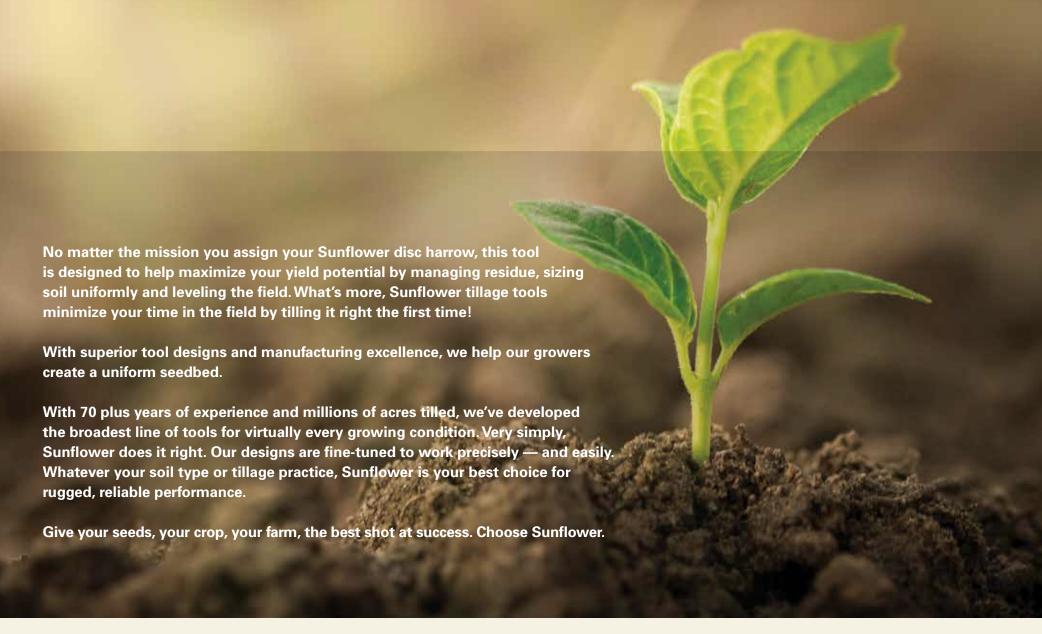




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	WHY SUNFLOWER	TANDEM DISC HARROWS	OFFSET DISC HARROWS		DISC HARROW ATTACHMENTS	SPECIFICATIONS
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Staggered Overlapping Disc Gangs

All but the heaviest-duty Sunflower discs feature staggered overlapping disc gangs, one of the keys to level discing.

 The overlapped placement of the front gangs cuts all of the ground cleanly, while the staggered rear gangs return the soil in a crisscross pattern. The Sunflower combination eliminates ridging in the center

Featured on all except 1300, 1700 and 1800 Series.

Front-Mounted Gauge Wheels

The gauge wheel prevents the front corner gang of the wing frame from cutting deeper than the other gangs. Front-mounted gauge wheels help create a level, ridge-free field.

- Sunflower positions the gauge wheels toward the outside edge of the frame, greatly enhancing the wheels' ability to control the wing and helps eliminate ridging.
- By contrast, some manufacturers extend the gang bars on the wings to make the next size up in a tillage series. This leaves the wing wheels too far inside, where they cannot control the wings as effectively.

Featured on all winged units except 1700 and 1800 Series.

Trunnion-Mounted Bearings

Sunflower's maintenance-free, trunnionmounted bearings provide positive alignment and eliminate side-loading of the bearings.

- Metal washers protect the seals from being damaged by material wrapping around the gang shaft.
- Trunnion-mounted bearings constantly realign as the C-Flex[™] bearing standards move and absorb shock from uneven ground. With conventional bearing systems, the bearing cannot move within the housing. Such design eventually leads to bearing failure because the bearing cannot remain in alignment.

Featured on all except 1700 and 1800 Series.



C-Flex Bearing Standards

All but the heaviest-duty Sunflower discs feature angled C-Flex bearing standards that absorb disc gang shock created by stumps, rocks and normal discing, thereby extending the life of bearings, spools and disc blades.

- The angled design of the C-Flex standards centers the arm between the disc blades, promoting even residue flow to avoid buildup between the arm and blades. Less downtime due to plugging.
- Unlike some competitive machines, the scraper bars are mounted to the C-Flex standards, which allows the scrapers to react with the gang and not come into contact with the spools or blades.

Featured on all except 1700 and 1800 Series.

Spring-Cushion Gang Assembly

Optional on 1700 and 1800 Series. Heavy coil springs compress when an obstruction is encountered, allowing the gang assembly to pass over the obstruction and then expand to return the gangs to their working position.

The rigid gang assembly is standard equipment on the 1700 and 1800 series. $\,$

UHMW Polymer Sleeves

Ultra-high molecular weight (UHMW) polymer sleeves eliminate the necessity of greasing frame and lift-pivot points, reducing maintenance time.

Featured on all except 1300, 1700 and 1800 Series.

Walking Tandems

The walking beam pivot assemblies consist of two tapered roller bearings with triple-lipped seals for longer service life. For ease of service and strength, the wheel spindles of all configurations—dual, tandem or triples—slip into the spindle tube welded into the walking beam.

Featured on all except 1212 series.

Walking Triple Tandems

A Sunflower exclusive, center-section walking triple tandems have 50 percent more weight-carrying capacity than conventional walking tandems.

Featured on 1550 series.



TANDEM DISC HARROWS

Large-disc performance for today's smaller farms

WORKING WIDTHS FROM 10'6" TO 14'7"

The 1212 is tough, heavy and capable of performing primary and finish discing operations.

- Available in rigid models only, the 1212 matches tractor horsepower in the range of 110 and lower.
- With the exception of gauge wheels and wings, the 1212 has all of the same outstanding features as all Sunflower discs.
- This tandem disc harrow features 335 to 396 pounds per foot of cut.



1234

THREE-SECTION TANDEM DISC HARROWS

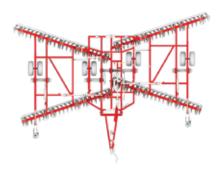
Uniform flexibility with unmatched field performance

WORKING WIDTHS FROM 18'11" TO 32'8"

A medium weight disc, 1234 capably handles primary through finish discing operations, providing uniform tillage regardless of terrain, discing depth, and soil condition.

- An all-welded frame features even weight distribution for uniform penetration.
- Three flexible sections assure that rough, rolling and terraced ground will be tilled evenly and smoothly.
- Large tires provide excellent flotation, unmatched depth control and the base for level discing.
- Overlapping disc gangs prevent ridging in the center.
- Self-leveling hitch simplifies leveling the disc from front to rear.

 Front-mounted depth control adjusts the operating depth of the entire machine.



"It penetrates and does a very level job, and helps come planting time. It chops larger clods and creates consistent sized material."

Harry Neuenschwander Salem, OH

Farms 500 acres, growing corn, soybeans, hay and wheat. Also, runs a dairy.
Uses the Sunflower 1234 Disc Harrow.

1436 1436NT

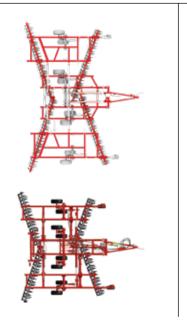
THREE-SECTION FLEXIBLE DISC HARROWS

Delivers the high performance demanded for today's farming

WORKING WIDTHS FROM 18'9" TO 38'2"

The standard of performance to break through heavy residue with more weight per foot: 625–660 pounds.

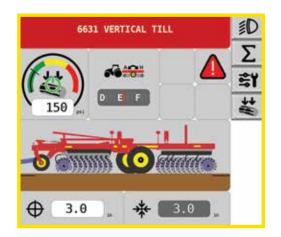
- As a well-balanced disc harrow, the level lift frame, walking tandems and gauge wheels are standard equipment.
- Aligned walking tandems give the disc more control.
- For ease of use, the patented split-wing design allows a 13'6" transport height, the industry's lowest for tools exceeding 33 feet working widths.
- With an exceptionally balanced design, the 1436 can accommodate heavier finishing attachments.
- There's no need to adjust the fore/aft level moving from field to transport and back to field.
- The 1436NT (narrow transport) series delivers big performance that transports at less than 10 feet wide.



Sunflower Till Control™



The Sunflower Till Control System brings precise implement control and mapping to tillage operations with accurate in-cab depth adjustment, frame-level monitoring and tillage-pass recording through an ISOBUS terminal task controller in the tractor cab.



- Unlike competitors' proprietary systems, Till Control works in mixed fleets of various makes of tractors, allowing total flexibility in using Sunflower tools.
- Easy-to-use, animated screen graphics guide the operator through calibration, setting of exact tillage depths, controlling the LED implement lighting and more.
- Automated settings and depth control ensure consistent tillage passes, even with a less-experienced operator in the cab.
- Field mapping, acres worked and hours worked are logged and displayed along with service intervals and reminders.



FOUR-SECTION DISC HARROWS

Four-section flexibility follows contours like no other

WORKING WIDTHS FROM 30'6" TO 40'

The 1444 provides unmatched ground-hugging capabilities in rolling terrain or terraced ground.

- Further enhancing performance in uneven terrain, a unique linkage system allows each half of the unit to function independently, not only from side to side, but also from front to rear.
- The four-section frame also provides unmatched performance and the extra protection needed in rocky soils.
- With service-free wing hinges, lifts and gang bearings, the 1444 is designed to save time and increase productivity.

- · Narrow tongue allows a shorter turning radius.
- Independent front-to-rear leveling is simple with conveniently located self-leveler.
- Single-point depth control on each center section allows easy setting of implement depth for optimum performance.
- Walking tandems on the wings and center sections are standard equipment.
- Capable of primary through finish discing operations.



1544

FOUR-SECTION DISC HARROWS

Large-disc performance with four-section flexibility

WORKING WIDTHS FROM 42' TO 44'9"

Built for today's large-acreage discing, with features to enhance performance and save time.

- The 1544 includes single-point, front-mounted depth controls and improved clearance, both in the field and on the road.
- Six pairs of walking tandems provide excellent weight distribution and flotation.
- Maintenance-free features include service-free disc gang bearings and UHMW bearings in frame lift and fold systems.
- Exclusive four-section design is unmatched in rolling terrain or terraces.
- Each half of the disc is leveled independently with the self-leveler.





FIVE-SECTION FLEXIBLE DISC HARROWS

Flexibility with an appetite for acres

WORKING WIDTHS FROM 47' TO 50'

The Sunflower 1550 Series Five-Section Flexible Disc Harrows can cover more than 30 acres per hour at normal operating speed.

- With aggressive 18 degree gang angles, full-concavity 24-inch disc blades, and weight per foot of 665 pounds — or 230 plus pounds per blade — the 1550 attacks the toughest soil, field and residue conditions.
- Maintenance-free features include service-free disc gang bearings and UHMW bearings in frame lift and fold systems.
- Upper and lower dual pivots designed into the wing hinges mean a lower wing flex point when working in the field. This lower pivot position allows more downward flex than the competitors' discs and enables it to hug the ground without gouging or ridging the field.

- The upper wing pivot position of the duplex hinge allows the 1550 to fold compactly for narrow transport.
- The 1550 is further augmented by another Sunflower exclusive: walking triple tandems. This revolutionary design puts three tires rather than two in a walk-over tandem set. The walking triple design increases the load capacity 50 percent over a two-tire carriage and provides excellent stability on the road.





A Sunflower disc provides benefits that don't come standard on other tillage brands. Sunflower disc harrows are designed for ease of use, long service life and consistently great results.

That's the Sunflower Advantage.



FLEXIBLE OFFSET DISC HARROWS

Flexibility and versatility equal unmatched uniform performance

WORKING WIDTHS FROM 14'9" TO 18'6"

The 1300 series disc from Sunflower can perform primary through finish discing operations and is loaded with performance-enhancing features to increase your efficiency with each pass.

- Two-section design flexes with rolling terrain and terraces.
- Unique swivel linkage allows each frame to flex freely as the machine conforms to different ground contours or as the wing is folded.
- Individual wheel adjustments allow the frame to be leveled precisely.



OFFSET DISC HARROWS

A new level of strength and weight

WORKING WIDTHS FROM 11' TO 24'11"

Featuring large-diameter, full-concavity blades and some of the industry's highest weights per blade—an average of 400 pounds per blade—the 1700 series is designed to penetrate packed soils, as well as the thickly matted crop residue that comes with today's high-yielding, genetically modified crop varieties.

- The series includes two models built specifically for the construction industry, both with self-leveling, all-welded frames and 12.5L x 15 tires.
- Equipped with rigid or spring-cushioned gang with 5/16-inch-thick plain or notched disc blades, available in 28- or 30-inch diameters.
- The blade spacings are 11 or 13 inches, depending on the model, and all the gangs are supported by 1 15/16-inch gang shafts.



1710HD

HEAVY-DUTY OFFSET DISC HARROWS

Designed to withstand tough conditions

WORKING WIDTHS FROM 11'9" TO 17'6"

The Sunflower 1700HD Series is heavy—and heavy-duty. The series is made to tackle the toughest agricultural conditions and to withstand the rigors of the construction, mining reclamation and forest industries.

- The combination of the 1700HD's massive 6-inch x 12-inch x ³/₈-inch tubular steel frame, 36-inch blades and a hefty 902 pounds per blade makes easy work of the toughest construction and tillage work.
- The low bearing-to-blade ratio and heavy-duty construction are designed to eliminate wear and downtime.

Other features include:

- · Self-leveling all-welded frame
- 18" blade spacing
- 36" x .472" notched blades
- · 2 ¾" gang shafts
- · 10-Bolt hubs





HEAVY-DUTY TANDEM DISC HARROWS

The obvious solution for heavy residue

WORKING WIDTHS FROM 14'4" TO 39'

Designed for professional farmers who need a heavy tandem disc harrow for residue management, the 1800 Series features large-diameter blades and sufficient weight to cut through hard-packed soils and thickly matted material.

- Larger blades, wider blade spacing and massive frames combine to produce an industry-leading 506-pound average weight per blade.
- Models are available in widths from 14 to 18 feet in rigid single or three-section flexibility from 22- to 39-feet wide to maximize the productivity of the largest tractors.

Other features include:

- · Self-leveling all-welded frame
- 11- or 13-inch blade spacing
- 28- or 30-inch disc blades
- Plain or notched disc blades
- Rigid or spring-cushion disc gang assemblies
- 8-Bolt hubs
- 12.5L x 15 tires (1810)
- 385/65R 22.50 used tires (1830)

Get the strength and weight you need to cut through hard-packed soils and thickly matted material with the Sunflower 1800 Series heavy-duty tandem disc harrows.



ATTACHMENTS To learn more about our available attachments, visit sunflowermfg.com and search by the product name.	1212 TANDEM DISC HARROWS	1234 THREE-SECTION TANDEM DISC HARROWS	1436 1436NT THREE-SECTION FLEXIBLE DISC HARROWS	1444 FOUR-SECTION DISC HARROWS	1544 FOUR-SECTION DISC HARROWS
Coil Tines	•	•	•		
Finishing Reels					
Spike Drag Harrows		•			
3-Row HD Coil Tine Harrow		1/2-inch x 22-inch heavy-duty tines	1/2-inch x 22-inch heavy-duty tines	1/2-inch x 22-inch heavy-duty tines	
2-Bar HD Coil Tine Harrow and Reel					
3-Row Coil Tine Harrow		-	•		
3-Row Spike-Drag Bar Harrow				-	
Finishing Reels			•		
Rear-Tow Hitch	•	-			

1550 FIVE-SECTION FLEXIBLE DISC HARROWS	1321 FLEXIBLE OFFSET DISC HARROWS	1710 1730 OFFSET DISC HARROWS	1710HD HEAVY-DUTY OFFSET DISC HARROWS	1810 1830 HEAVY-DUTY TANDEM DISC HARROWS	
	•		•	•	
		-	-	-	≣SUNFLOWL
1/2-inch x 22-inch heavy-duty tines		5/8-inch x 26-inch heavy-duty tines	5/8-inch x 26-inch heavy-duty tines	5/8-inch x 26-inch heavy-duty tines	1-1-1-14
		-	-	-	
		-	-	-	



Model	True cutting width ft. in. (m)	Transport width ft. in. (m)	Transport height ft. in. (m)	Est. weight lbs. (kg.)	Weight per ft. of cut lbs. (kg.)	HP requirements
1212						
1212-10	10'6" (3.2)	11'4" (3.5)	N/A	3,978 (1,804)	398 (180)	8 to 10 HP/ft.
1212-12	11'10" (3.4)	12'8" (4.0)		4,199 (1,904)	350 (159)	
1212-13	13'3" (4.0)	14'1" (4.3)		4,851 (2,200)	373 (169)	
1212-15	14'7" (4.5)	15'5" (4.7)		5,069 (2,299)	337 (153)	
1234						
1234-18	18'11" (5.5)	<13' (4.0)	10'2" (3.1)	9,829 (4,458)	517 (234)	8 to 10 HP/ft.
1234-21 (NC)	21'8" (6.6)		11'5" (3.5)	10,690 (8,931)	505 (229)	
1234-21 (WC)	21'8" (6.6)	<16' (4.9)	11'5" (3.5)	12,184 (5,526)	507 (230)	
1234-24 (NC)	24'5" (7.5)	<13' (4.0)	12'10" (3.7)	12,578 (5,705)	507 (230)	
1234-24 (WC)	24'5" (8.3)	<16' (4.9)	11'3" (3.4)	12,422 (5,634)	514 (233)	
1234-27	27'2" (8.9)		12'7" (3.9)	13,583 (6,161)	510 (231)	
1234-29	29'11" (9.1)		13'11" (4.0)	15,628 (7,089)	504 (228)	
1234-32	32'8" (10.0)		15'4" (4.7)	17,098 (7,755)	534 (242)	
1321						
1321-14	14'9" (4.5)	9'10" (3.0)	11'11" (3.6)	6,837 (3,101)	488 (221)	8 to 10 HP/ft.
1321-16	16' (4.9)	10'9" (3.3)	12'5" (3.8)	7,107 (3,223)	444 (201)	
1321-18	18'6" (5.6)	13' (4.0)	12'7" (3.8)	9,132 (4,142)	507 (230)	
1436NT						
1436-19NT	18'10" (5.7)	9'7" (2.9)	11'7" (3.5)	13,983 (6342)	742 (337)	10 to 12 HP/ft.
1436-21NT	21'7" (6.6)	9'7" (2.9)	12'1" (3.7)	15,571 (7063)	721 (327)	

NC = Narrow center, WC = Wide center | RG = Rigid gang, SCG = Spring cushion gang | NT = Narrow transport series Note: Specifications may vary based on tires, hydraulic system, attachments or other possible variances. Safety light kit and SMV sign are standard equipment.





Model	True cutting width ft. in. (m)	Transport width ft. in. (m)	Transport height ft. in. (m)	Est. weight lbs. (kg.)	Weight per ft. of cut lbs. (kg.)	HP requirements
1436						
1436-21	19'11" (6.3)	13'6" (4.1)	10'6" (3.2)	15,189 (6,890)	730 (331)	10 to 12 HP/ft.
1436-24	22'8" (7.2)		11'10" (3.6)	16,732 (7,590)	696 (316)	
1436-27	25'5" (7.7)		13'3" (4.0)	18,269 (8,287)	700 (318)	
1436-29	28'2" (8.5)		14'7" (4.4)	19,700 (8,936)	680 (308)	
1436-31	29'5" (9.0)	17'6" (5.3)	13'4" (4.1)	20,095 (9,115)	681 (309)	
1436-33	32'2" (9.9)		14'7" (4.4)	21,489 (9,747)	668 (303)	
1436-36	34'11" (10.8)		15'11" (4.9)	22,511 (10,211)	652 (296)	
1436SW						
1436-33SW	32'10" (10.0)	15'6" (4.7)	13'6" (4.1)	21,443 (9,726)	652 (296)	10 to 12 HP/ft.
1436-38SW	38'2" (11.6)	17'10" (5.4)	13'6" (4.1)	22,740 (10,315)	597 (271)	•
1444						
1444-30	30'6" (9.3)	18'2" (5.5)	12'1" (3.7)	17,506 (7,940)	574 (260)	10 to 12 HP/ft.
1444-33	33'4" (10.2)		13'2" (4.0)	18,800 (8,527)	565 (256)	
1444-36	36' (11.0)	19'9" (6.1)	13'8" (4.2)	20,014 (9,078)	556 (252)	
1444-40	40' (12.2)		15'4" (4.7)	23,865 (10,825)	597 (270)	
1544						
1544-42	42'7" (13.0)	22'2" (6.8)	14'7" (4.5)	27,200 (12,338)	648 (294)	10 to 12 HP/ft.
1544-45	44'9" (13.7)	, ,	15'8" (4.7)	28,975 (13,143)	644 (292)	
1550						
1550-47	46'9" (14.2)	18'2" (5.5)	13'11" (4.0)	31,302 (14,198)	666 (302)	10 to 12 HP/ft.
1550-50	49'6" (15.1)	- (0.0)		33,300 (15,105)		





Model	True cutting width ft. in. (m)	Transport width ft. in. (m)	Transport height ft. in. (m)	Est. weight lbs. (kg.)	Weight per ft. of cut lbs. (kg.)	HP requirements
1710/1730						
1710-10	11'0" (3.3)	12'7" (3.8)	7'0" (2.1)	11,029 (5,003)	441 (200)	12 to 15 HP/ft.
1710-12 (RG)	12'8" (3.9)	14'6" (4.4)		10,329 (4,685)	356 (161)	
1710-12 (SCG)		14'4" (4.4)		12,550 (5,693)	433 (196)	
1710-14 (RG)	14'6" (4.4)	16'3" (4.9)		10,976 (5,059)	333 (151)	
1710-14 (SCG)		15'3" (4.6)		13,830 (5,762)	419 (190)	
1710-16 (RG)	16'2" (4.9)	18'0" (5.5)		11,526 (5,228)	312 (142)	
1710-16 (SCG)		17'10" (5.4)		14,270 (6,473)	398 (181)	
1710-18 (RG)	17'11" (5.5)	19'8" (6.0)		12,271 (5,566)	299 (136)	
1710-18 (SCG)		19'7" (6.0)		15,248 (6,916)	372 (169)	
1730-22	21'5" (6.5)	9'5" (2.9)	12'10" (3.9)	20,960 (9,507)	428 (194)	
1730-24	23'2" (7.1)	9'6" (2.9)	13'6" (5.0)	22,060 (10,006)	416 (189)	
1730-26	24'11" (8.0)		14'7" (4.7)	22,860 (10,369)	401 (182)	
1710HD						
1710HD-10	11'9" (3.6)	12'9" (3.9)	8'4" (2.5)	14,956 (6,784)	1,273 (577)	20 to 25 HP/ft.
1710HD-16	17'6" (5.3)	19'3" (5.9)	8'4" (2.5)	21,130 (9,584)	1,207 (547)	
1810/1830						
1810-14 (RG)	14'4" (4.4)	15'11" (4.8)	7'0" (2.1)	11,152 (5,059)	429 (195)	12 to 15 HP/ft.
1810-14 (SCG)	14'2" (4.3)	15'10" (4.8)		12,702 (5,762)	523 (192)	
1810-16 (RG)	16'4" (5.0)	18'5" (5.6)		11,695 (5,304)	390 (177)	
1810-16 (SCG)	15'10" (4.8)	17'10" (5.4)		13,580 (6,160)	399 (181)	
1810-18 (RG)	17'7" (5.4)	19'10" (6.0)		12,661 (5,743)	333 (151)	
1830-22 (SCG)	22'10" (5.6)	13'11" (4.2)	12'10" (3.9)	26,934 (12,217)	539 (244)	
1830-22 (SCG)	22'6" (6.9)			26,669 (12,097)	635 (288)	
1830-24 (RG)	24'7" (7.5)	13'6" (4.1)	13'6" (4.1)	23,771 (10,783)	440 (200)	
1830-24 (SCG)	24'7" (7.5)	13'6" (4.1)	13'6" (4.1)	28,228 (12,804)	523 (237)	
1830-26 (RG)	26'4" (8.0)	13'6" (4.1)	14'2" (4.3)	24,209 (10,981)	417 (189)	
1830-26 (SCG)		14'10" (4.5)		28,823 (13,074)	497 (225)	
1830-26 (SCG)				28,666 (13,003)	573 (260)	
1830-30 (RG)	29'9" (9.1)	14'18" (4.5)	15'10" (4.8)	26,546 (12,041)	402 (182)	
1830-30 (SCG)		17'2" (5.2)	15'6" (4.7)	31,559 (14,315)	478 (217)	
1830-30 (SCG)	30'9" (9.4)		15'10" (4.8)	31,235 (14,168)	539 (244)	
1830-34 (SCG)	33'3" (10.1)	15'10" (4.8)	15'9" (4.8)	37,014 (16,790)	500 (227)	
1830-34 (SCG)	34'11" (10.6)	16'0" (4.9)		36,777 (16,682)	557 (253)	
1830-38 (SCG)	38'6" (11.7)	15'10" (4.8)	17'9" (5.4)	38,425 (17,430)	469 (213)	
1830-38 (SCG)	39'0" (11.9)	16'0" (4.9)		37,568 (17,041)	508 (230)	





For more than 25 years, in more than 140 countries worldwide, AGCO has been on a mission to become the single resource farmers can depend on for innovative, leading-edge thinking, equipment and technology.

And, today, you know AGCO brands, even if you don't know the AGCO name. While AGCO equipment may not all share the same logo or same color, they all have one thing in common — the ability to help farmers be as productive and profitable as they possibly can be, regardless of the tasks at hand. agcoorp.com

FENDT





Challenger



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