

# 7200 SOIL CONDITIONER

*The "Reel Difference" In Soil Conditioning.*

For the ultimate in seedbed preparation, look no further than the Sunflower 7200 Soil Conditioner. Pulled alone or behind a Sunflower Field Cultivator or Land Finisher, it not only firms the soil, but disperses residue, fills depressions and properly levels and conditions the seedbed. The 17" (432 mm) diameter Chevron reels effectively break up clods, knock soil from root crowns and level the ridges left behind by aggressive tillage tools.

Standard features, designed to improve performance and efficiency, include wings that flex both up and 10 degrees below level; adjustable wing sections that allow the soil conditioner to be tailored to the width of the host machine, and overlapping gangs to condition soil completely across the entire machine, thereby reducing any misses. Of course, our exclusive C-Flex™ bearing standards are also included to absorb coultter gang shock, prolonging bearing and frame life.

**Sunflower - The Ultimate Answer**

Sunflower utilizes C-Flex hangers to mount reel gangs to the frame, eliminating springs or pivot points to grease or wear out. C-Flex hangers provide a consistent down pressure on reels while furnishing cushion to the frames.

**MODEL 7252-45**  
Soil Conditioner

All 5-Section models are equipped with dual wheels

Drop Hitch design

**MODEL 7232-37**  
Soil Conditioner

Heavy 4" x 4" x 1/4" wall tubing makes up most of the frame work with 3" x 5" and 3" x 6" x 1/4" wall tubing used to build the hitches. The built-in weight from the heavy frame provides down pressure of up to 170 lbs. per foot of stomp, producing an aggressive attitude toward clods, root balls and leveling stubborn fields.

18'-25' models feature single wheels and the 28'-37' models are equipped with dual wheels.

**MODEL 7212-20**  
Soil Conditioner

Overlapping reels. All conditioning reels overlap for complete firming and leveling purposes. This is an exclusive feature to the 7200. "Others" simply let strips go unconditioned.

All sizes of the 7212 are equipped with single wheels

Heavy-duty reel design utilizing 1 1/2" solid gang shaft and large greasable triple lip sealed trunnion bearings insures a longer reel life and less chance of bending when encountering field obstacles. The large 1 1/2" gang shaft resists flexing and stretching during use or while tightening.

## 7200 SOIL CONDITIONER SPECS

MODEL NUMBER	CUTTING WIDTH (m)	NUMBER & SIZE OF REELS	TRANSPORT WIDTH (m)	TRANSPORT HEIGHT (m)	EST. WEIGHT (kg)
7212-15*	15' (4.3)	3 - 60"	16' (4.9)	N/A	2,781 lbs. (1261)
7212-17*	17'-6" (5.4)	1 - 60" & 2 - 75"	18'-6" (5.7)	N/A	2,927 lbs. (1327)
7212-20*	20' (6.1)	1 - 60" & 2 - 90"	21' (6.4)	N/A	3,072 lbs. (1393)
7212-22*	22'-6" (6.9)	1 - 60" & 2 - 105"	23'-6" (7.2)	N/A	3,224 lbs. (1462)
7232-18**	18' (5.4)	5 - 45"	13'-6" (4.1)	8'-10" (2.5)	3,890 lbs. (1764)
7232-20**	20'-6" (6.3)	2 - 60" & 3 - 45"	13'-6" (4.1)	9'-10" (2.8)	4,120 lbs. (1869)
7232-23**	23' (7)	2 - 75" & 3 - 45"	13'-6" (4.1)	10'-10" (3.1)	4,264 lbs. (1934)
7232-25**	25'-6" (7.8)	2 - 90" & 3 - 45"	13'-6" (4.1)	11'-10" (3.4)	4,520 lbs. (2050)
7232-28**	28' (8.50)	1 - 45", 2 - 60" & 2 - 90"	15'-10" (4.6)	11'-10" (3.4)	4,930 lbs. (2236)
7232-30**	30'-6" (9.3)	1 - 45", 2 - 60" & 2 - 105"	15'-10" (4.6)	12'-10" (3.7)	5,075 lbs. (2302)
7232-32 (NC)*	32'-6" (9.9)	1 - 45" & 6 - 60"	16'-4" (5)	14'-3" (4.3)	5,945 lbs. (2697)
7232-35 (NC)*	35' (10.7)	1 - 45", 4 - 60" & 2 - 75"	16'-4" (5)	15'-6" (4.7)	6,615 lbs. (3000)
7232-32*	32'-6" (9.9)	2 - 45", 4 - 60" & 1 - 75"	18'-10" (5.5)	12'-9" (3.9)	5,945 lbs. (2697)
7232-35*	35' (10.7)	1 - 75" & 6 - 60"	18'-10" (5.5)	14'-3" (4.3)	6,615 lbs. (3000)
7232-37*	37'-6" (11.5)	3 - 75" & 4 - 60"	18'-10" (5.5)	15'-6" (4.7)	6,920 lbs. (3139)
7252-32***	32'-6" (9.9)	3 - 45", 2 - 60" & 2 - 75"	17'-4" (5.3)	11'-3" (3.4)	6,220 lbs. (2821)
7252-35***	35' (10.7)	1 - 45", 4 - 60" & 2 - 75"	17'-4" (5.3)	11'-3" (3.4)	6,790 lbs. (3080)
7252-37***	37'-6" (11.5)	1 - 45", 2 - 60" & 4 - 75"	17'-4" (5.3)	11'-3" (3.4)	7,170 lbs. (3252)
7252-40***	40' (12.2)	4 - 60", 1 - 75" & 2 - 90"	19'-10" (5.8)	12'-6" (3.8)	7,740 lbs. (3510)
7252-42***	42'-6" (13)	2 - 60", 3 - 75" & 2 - 90"	19'-10" (5.8)	12'-6" (3.8)	8,120 lbs. (3683)
7252-45***	45' (13.7)	2 - 60", 1 - 75" & 4 - 90"	19'-10" (5.8)	12'-6" (3.8)	8,690 lbs. (3942)
7252-45***	45' (13.7)	8 - 60" & 1 - 75"	19'-10" (5.8)	15' (4.6)	8,850 lbs. (4014)
7252-47***	47'-6" (14.5)	6 - 60" & 3 - 75"	19'-10" (5.8)	15' (4.6)	9,140 lbs. (4146)
7252-50***	50' (15.2)	6 - 60", 1 - 75" & 2 - 90"	19'-10" (5.8)	15' (4.6)	9,580 lbs. (4345)

NC = Narrow Center  
 \*Cutting width can be decreased as much as 15" on each end of the machine for a total of 30".  
 \*\*Cutting width can be decreased as much as 6" on each end of the machine for a total of 12".  
 \*\*\*Cutting width can be decreased as much as 12" on each end of the machine for a total of 24".

## EXCLUSIVE "CHEVRON" REEL DESIGN



Flexible wings on folding models. Wings can flex both up and 10 degrees down allowing the Soil Conditioner to follow ground contours without losing contact with the soil. No other conditioning type tool can claim a 10 degree downward flex.

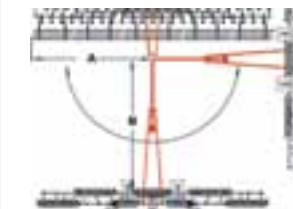
Adjustable wing gangs allow up to 30 inches of adjustment. The outside gangs can be slid in from 6 - 30 inches on certain models to form a better match to the host implement.



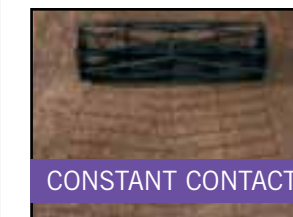
Sunflower's exclusive Chevron reel design pulls 30% easier, eliminates vibration and conditions soil more uniformly. The Chevron designed rods help create the structural strength needed to withstand the toughest soil conditions.

Smooth reel ends, with no protrusions to wrap or accumulate trash, stay clean, eliminating costly downtime.

For superior "stay-clean" ability, the 7200 has heavy duty large 17" diameter conditioning reels with 10 7/8" Chevron rods. The wider spaces between rods insures less trash accumulation, while still producing desirable firming and soil conditioning effects by constantly contacting the soil.



Gang width and length of pull hitch are fully adjustable to allow the Soil Conditioner to be tailored exactly to the host machine. The hitch can be lengthened or shortened to accommodate attachments and the tillage tool turning radius. Width on most models can be adjusted up to 30 inches to match cutting width of host machine.



Exclusive "Chevron" Reel Design

- Eliminates vibration, prolonging frame life.
- Constant soil contact produces uniform leveling.
- "Chevron" design pulls 30% easier than spiral designs.
- Sunflower Soil Science reveals firm, level soils promote consistent emergence and vigorous early plant growth.
- Conservation soil management can be enhanced with the use of a Sunflower Soil Conditioner.

# EXCLUSIVE DISC GANG REELS

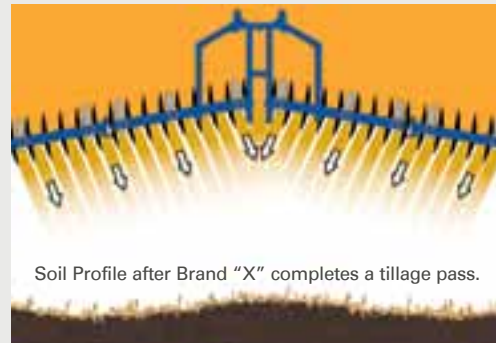
## THE SUNFLOWER DISC — GANG — REEL DIFFERENCE.

### THE SUNFLOWER DISC-GANG DESIGN



Soil Profile after Sunflower Land Finisher completes a tillage pass.

### COMPETITOR'S DISC-GANG DESIGN



Soil Profile after Brand "X" completes a tillage pass. Results are lateral soil movement, causing center ridge and outward depressions.

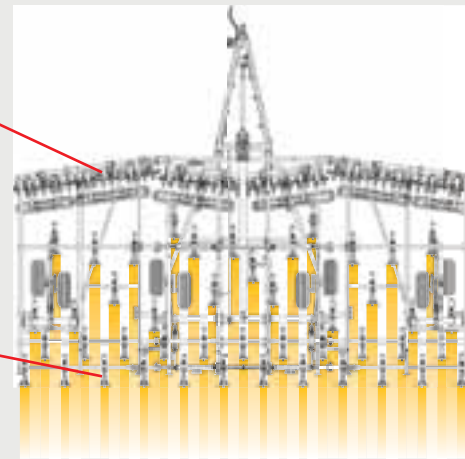
- On the right graphic, lateral soil movement is not in check and is allowed to be thrown inward, creating a center ridge and overall crown as depicted in the soil profile illustration. Most competing one-pass tools angle the front disc gangs to a severe, dirt throwing 10 degrees and also utilizes 2" concavity, dirt throwing disc blades. By design, these machines are creating uneven field results and undesirable planting conditions.

#### Unique disc gang placement

- Directs soil toward disc gang reels
- Compact gang placement cuts down overall frame depth
- Provides uniform tillage action across entire cutting width
- Minimizes lateral soil movement while addressing the depression of the tractor tires

#### 5 Bar cultivator shank placement

- Shanks spaced at nine inches for optimum trash flow and field finishing.
- 5/8" x 1 3/4" Spring Tension Shanks carry a 190 lbs. point load that ensures the shovel to run flat and enables the shank to operate in all secondary and light primary conditions.
- 5/8" x 1 3/4" 2-Piece S-Tine Shanks offer heavy point loads that can handle all secondary tillage situations. 2-piece design allows operator to replace either top or bottom sections individually.



### EXCLUSIVE DISC GANG REELS.

- 10 1/4" spiral reels rotate at twice the speed of the 20" disc blades
  - Reels return soil that disc gangs invert, net results are no lateral soil movement
  - Fields remain level
- Pulverize clods that would otherwise remain
- Mixes soil and residue for optimum planter operation
- Incorporates chemicals and nutrients for best plant performance

# FINISHING ATTACHMENTS



Four Row High Residue Spike Drags designed for heavy residue conditions. The Spike Drag consists of 3/4" x 16" round spikes staggered on 3" centers. The longer spikes promote a smoother flow of residue, and the round design sheds heavy residue better than conventional square spikes. The combination of individual spike placement and the flexibility offered by individual bars make the 4-Row Spike Drag the #1 attachment in high residue conditions. Available on 5035, 5135 and 5055.



The Three Row Spike and Reel combination features independence between spike and reel — in fact, each bar of the spike performs independently for maximum conformance to rough terrain. The heavy spike drag levels the soil in advance of the reel providing a smoother surface for the reel to run in. The 10 1/4" diameter reel features six high carbon spiraled blades, regreaseable bearings and no center shaft for better soil and residue handling capabilities. The aggressive action of this combination pulverizes the soil, provides superior leveling and enhances incorporation ... leaving the seed bed in near perfect condition. Available on 5035, 6221, 6333 & 6433.



The Five Row Spike DRAG is regarded as our most maintenance free finishing attachment in low residue conditions. Equipped with 3/4" x 11" spikes, the flexible bars of the unit are designed to conform to very irregular terrain and the weight of the unit makes it aggressive enough to handle the toughest soil conditions. The 1 3/4" spike spacing provides additional incorporation and effectively completes the seed bed by breaking clods, leveling, smoothing and firming the soil. Available on 5035, 5135 and 5055.



A Tine and Reel Finishing Attachment features a three row coil tine section that can be adjusted for the desired pitch. This attachment features height, tilt and spring loaded down pressure adjustments for various working conditions. A smaller diameter reel revolves at a higher speed which provides a more aggressive digging action for incorporating and preparing the seed bed. The reel features six high carbon blades which spiral across the 10 1/4" diameter section. The reel is independent from the coil tine when in the field and can even be folded up and over when not in use. Available on 5035, 5135, 6221, 6333.



The Six Row High Residue Spike Drag is designed for heavy residue conditions when using the 6000 Series Land Finisher. The Spike Drag consists of 3/4" x 16" round spikes. The longer spikes promote a smoother flow of residue, and the round design sheds heavy residue better than conventional square spikes. The combination of individual spike placement and the flexibility offered by individual bars make the 6-Row Spike Drag the #1 attachment in high residue conditions. Available on 6221, 6333 and 6433.



Three Row Coil Tine Harrow features 3/8" x 16" tines on 7 1/2" centers, 2 1/2" spacing overall. Tines are spaced 15" between rows. The unique tine angle adjustment features a direct stop mechanism that eliminates wear prone linkages and pins. Each tine is individually replaceable and the unit is designed to allow all tines to pivot forward for protection when backing up. Every section is equipped with fully adjustable tension springs that allow desired down pressure settings to be accomplished. Available on 5035, 5135, 5055.