

3000 SERIES FALLOW-KING

Its Well-Earned Name Says It All

The 3000 Series Fallow-King is exactly what the name implies — the sovereign choice for fallow tillage in the wide range of soil conditions found on the Great Plains. Whether it's used for primary or secondary tillage, you can count on maximum weed kill as two rows of 26" sweeps slide below the soil surface, leaving the majority of the existing residue exposed. Sunflower's computer-aided design process also features optimum shank placement on 20" center to provide a full six inches of overlap. In the meantime, up to seven frame sections flex every seven feet to hug the terrain on flat or rolling ground ... even over terraces. For more aggressive action that rips out weeds and leaves them exposed, the exclusive Sunflower treader provides unparalleled soil aeration ... even in heavy surface residue.

Sunflower - The Ultimate Answer



Sunflower's exclusive use of UHMW Technology was initiated from need.

- The need for more productive field time and less greasing maintenance time.
- The need for fewer replacement parts resulting in less downtime and machine expense.
- The need for consistent field performance through the elimination of machine wear.
- The need for higher valued farm equipment by an ever-refining industry.

What is UHMW Polymer?

"UHMW-PE or simply UHMW stands for Ultra High Molecular Weight Polyethylene. This raw material is well known by the engineering field as one of the toughest substances known to man. UHMW has an abrasion resistance 10 times that of carbon steel and an amazing impact strength, in fact UHMW is used as a key ingredient in bullet-proof vests and body armor."



- 1. STANDARD WALKING TANDEM** - Allow the machine to follow the ground contour precisely, maintaining a more consistent shank depth. Tandem beam pivots on regreasable tapered roller bearings for smooth, long-lasting service. Zerk-equipped six-bolt hubs and heavy-duty 2" slip-in spindles feature triple-lip seals.
- 2. ONE-PIECE WELDED HITCH** - Attached to the middle of the right and left center frames (4 & 6 section machines) by 4 1 1/4" bolts and flex links for full flexibility without sacrificing strength. Hitch attaching points are wear protected by thrust plates to ensure long life.
- 3. RATCHET JACK** - Precisely levels the frame from front-to-rear on the Fallow-King. This assures level tillage in a variety of field conditions.

- 4. OVERLAPPING SWEEPS** - Fallow-King features 26" sweeps on 20" centers, providing a full 6" overlap and maximum weed kill.
- 5. SUNFLOWER GAUGE WHEELS** - Eliminate gouging and provide precision tillage on flat or rolling terrain and are standard equipment on 4-section through 7-section machines.
- 6. SCREW-TYPE ADJUSTMENT** - Located at the front of the frame for operator convenience. A single setting controls the operating depth of the entire machine.
- 7. ROCKSHAFTS** - Sunflower mounts the rockshaft on top of the frame for superior trash clearance. Fallow-King also features a lift cylinder at EACH wheel.

3000 SERIES FALLOW-KING SPECS

MODEL NUMBER	TILLAGE WIDTH (m)	NUMBER OF SHANKS	SECTION NUMBER & SIZE	TRANSPORT HEIGHT (m)	TRANSPORT WIDTH (m)	EST. WEIGHT BASIC MACHINE** (kg)	WING FOLD POSITION	TIRE NUMBER & SIZE
SF3030-21	21' (6.4)	13	Three 7'	10'-8" (3.2)	14'-5" (4.4)	5,944 lbs. (2696)	1-1	(8) 9.5L x 15, 8 ply
SF3030-25	25' (7.6)	15	Three 7'	12'-4" (3.8)	14'-5" (4.4)	6160 lbs. (2794)	1-1	(8) 9.5L x 15, 8 ply
SF3040-28	28' (8.5)	17	Four 7'	10'-8" (3.2)	21'-2" (6.4)	8,044 lbs. (3649)	1-1	(10) 9.5L x 15, 8 ply
SF3040-32	32' (9.7)	19	Four 7'	12'-4" (3.8)	21'-2" (6.4)	8,274 lbs. (3753)	1-1	(10) 9.5L x 15, 8 ply
SF3050-35	35' (10.7)	21	Five 7'	12'-8" (3.9)	21'-3" (6.5)	9,759 lbs. (4427)	2-1	(12) 9.5L x 15, 8 ply
SF3060-42	42' (12.8)	25	Six 7'	13' (4)	22'-8" (6.9)	11,874 lbs. (5386)	2-2	(16) 9.5L x 15, 8 ply
SF3070-49	49' (14.9)	29	Seven 7'	15'-6" (4.7)	24' (7.3)	13,650 lbs. (6192)	3-2	(6) 9.5L x 15, 12 ply (10) 9.5L x 15, 8 ply

**Basic machine weight does not include machine attachments.

We are continually striving to improve our machines; therefore, these specifications are subject to change without notice.

TREADER WHEELS

(Available on 3000, 3300 and 3600 Series Models)

Sunflower offers you a choice in treader wheels the others can't

Sunflower offers both Conservation and Standard Treader Wheels to match your farming operation. Hard-surfaced teeth are available on the Conservation Treader Wheel.

Sunflower's rolling treader is built from a durable one-piece pipe and only utilizes individual wheels outside of the bearing hangers. Tooth replacement can be made one at a time instead of replacing the whole individual wheel. Gangs are equipped with a nut at each end to facilitate any future bearing replacement. Sunflower's solid treader gang design stays tight and does not allow dust and moisture to contaminate and rust the interior gang shaft.

Sunflower - The Ultimate Answer



1. AGGRESSIVE DIGGING ACTION - This unique wheel features high-carbon half-oval teeth (8 per wheel) curved and twisted for superior soil-residue action, working and leveling the soil behind various tillage tools. The tooth's unique digging action inverts weeds, exposing their roots on the surface. A mixture of small clods and residue are deposited on the surface while finer soil particles settle below, safeguarding your fields from wind and water erosion. The high-carbon teeth are specially stress-relieved for ductility and longer field life.

2. RESIDUE-CONSERVING ACTION - The Conservation Treader Wheel features a flat tooth design (7 per wheel) that is curved only and cut at a 45° angle on the soil engaging end. This less aggressive tooth destroys minimal amounts of residue, but maintains a good weed kill during tillage operations. Ideal for use in arid conditions where residue compliance is difficult to achieve. The wheel's larger diameter, featuring less teeth with no special twist are the key ingredients in this unit's ability to meet conservation standards. Constructed of high-carbon steel, each tooth is specially stress-relieved for longer field life.

3. OVERLAPPING SECTIONS - Overlapping sections provide thorough tillage action with no skips or missed ground. You'll get the full benefit of the harrow's aggressive weed kill across the entire width of your chisel or sweep plow.

4. SPRING-LOADED - Adjustable spring-loaded mounting brackets relieve strain on the plow frame during folding and transport.

5. ANGLE ADJUSTMENT - With basic tools and a few moments of time, you can adjust the treader section from 15 degrees to 20 degrees. Conservation treaders should be run at 20 degrees only.

6. RUGGED SUPPORT - Each gang is equipped with a 1 1/8" square shaft and triple sealed greaseable bearings. The formed bracket protects the zerk from rocks, weed wrap and premature wear.