



7400 VERTICAL TILLAGE

VT *plus*



Model 7450-44

THE MOST VERSATILE VT ON THE MARKET



Model 7431-26



7400 Vertical Tillage Plus

Landoll Corporation introduced the VT Plus vertical tillage machine to the market in 2008. Since that time it has gained an enormous number of very satisfied and loyal VT owners. The owner satisfaction of the VT Plus and its many well-accepted features is a testament to the overall design of the 7400 Series.

A great deal of research went into determining the most proficient gang angle, disc blade and spacing. The most successful components and settings were arrived at after trying many different angles, blades and spacings in a variety of soils and residue levels.

During the fall tillage season the preset 10° disc gang angle, combined with ultra-low concavity 22" disc blades spaced on 7" centers, has proven to be the most effective. This combination excelled in sizing and mixing the right amount of soil with residue to allow the decomposition process to begin. Other positives include the leveling of soil (even in rutted fields) and the anchoring of residue for the prevention of wind and water erosion during winter months. An attribute resulting from the fall vertical tillage operation is the promotion of earlier soil warm-up in the spring.

Earlier soil warm-up could make the greatest contribution to higher yields. It allows earlier planting for improved and uniform germination and emergence.

In the spring, the same combination of components and settings are utilized for seedbed preparation. The 10° angle and 7" blade spacing provide even cutout across the entire cutting width of the machine, while the conditioner reel completes the finish operation. This, combined with the outstanding flotation and ground-hugging capabilities built into every 7400, enables it to perform at precise depths (that being no deeper than where the seed will be placed during planting). These are the keys to excellent seedbed preparation that the 7400 delivers every trip across the field.

Isn't it time that excessive residue levels and cold, wet spring soils be addressed in your operation? Put the 7400 VT Plus to work and increase your R.O.I. with higher yields, a direct result of earlier planting for improved and more uniform emergence.

MIXES RESIDUE & SOIL



Chevron Conditioner Reel

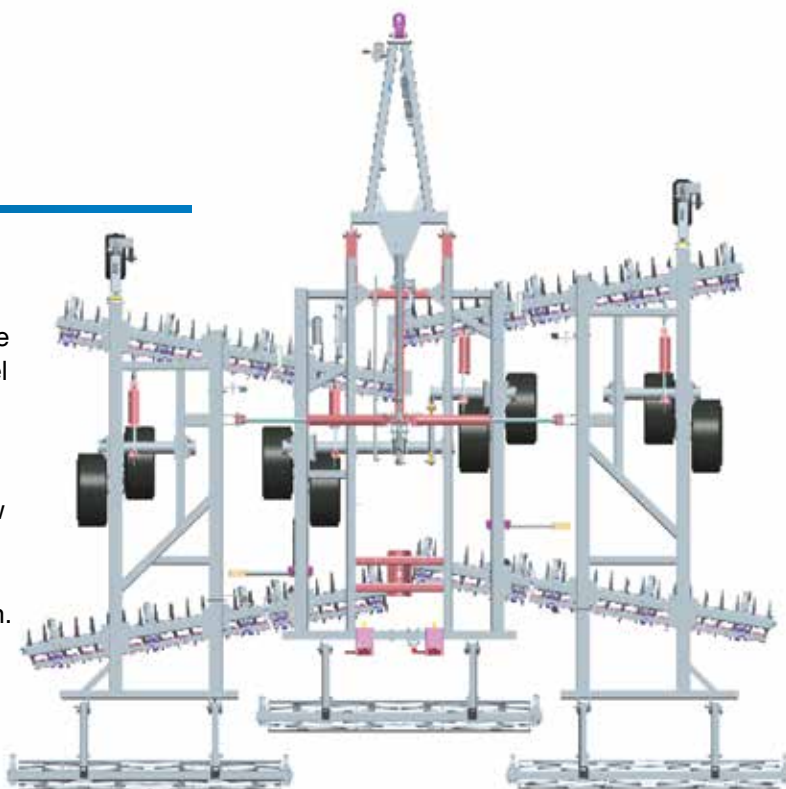
Every VT Plus is equipped with heavy-duty conditioner reels that put a finishing touch to every pass. The reel firms up the soil profile, breaks up clods, and creates an excellent seed bed in finish passes, while providing additional anchoring of residue in primary operations. Large 14" diameter reels feature $\frac{7}{8}$ " rods that are formed and welded into the unit in a chevron pattern for vibration free performance. Tough C-flex gang hangers, 2" diameter shafts, and support spiders every 14" (or so) allow it to perform flawlessly, even in tough rocky field conditions. The reels' heavy-duty trunnion bearings are triple-sealed, can be greased, and carry a 3-year warranty. Rugged down pressure springs allow each reel section to be adjusted for various field conditions.

VT Plus Benefits

- Size, Anchor and Decompose Residue
- Promote Soil Warm Up
- Level Ridges and Fill in Ruts
- Promote Smooth Planting Surface
- Utilize Available Nutrients while Building Soil Tilth
- Promote Earlier Spring Planting
- Improve Planter Performance
- Create Excellent Seedbed
- Improve Germination and Emergence
- Increase Yields and Return on Investment

Over-Lapping Staggered Gangs

The over-lapping of the front and staggering of the rear disc gangs is instrumental in the smooth level performance of the 7400. This feature allows the front discs to cut all the soil and residue across the width of the machine; eliminating the need of a shank to clean up the center. The center furrow is precisely filled in level by the flow of soil off the staggered rear disc gangs, providing the ultimate in level performance and even residue distribution.



AMERICA'S FAVORITE



7450 Dual Walking Tandems

Center sections on 7450 models are equipped with 2-sets of dual walking tandems (a total of 8-wheels and flotation tires). The walking beam pivot bearings on the center section rotate on 2½" diameter hardened chrome spindles. There are 2" diameter hardened chrome spindles on all wing sections. All walking beam pivot-bearings can be greased for improved uptime performance.



C-Flex Gang Hangers, Trunnion Bearings & Scrapers

Every disc gang is equipped with C-flex hangers that provide cushion protection against rocks and other obstructions. The scraper bar is mounted to the C-flex hangers allowing scrapers and disc blades to move simultaneously with each other. The self-aligning feature of each trunnion bearing allows bearing realignment as the hangers flex and move. Bearings are triple-lip sealed and cannot be over-greased. The heavy-duty bearings are warranted for 3 years.



Rockshaft UHMW

Rockshafts rotate on UHMW (Ultra-High-Molecular-Weight) polymer, eliminating maintenance requirements and wear. Controlled wear in these strategic locations will improve machine performance over longer periods of time.



Model 7450-44



7450's Narrow Transport Width

All 7400 Series VTs fold hydraulically. The 7450 models fold to a narrow width of 17' 4" and are transported on 8 over the road trailer tires on which the weight is distributed equally.

VERTICAL TILLAGE MACHINE

Hinge Joints

All frame hinge joints are equipped with hardened pins that rotate on maintenance-free plastic bushings for improved machine performance and extended life of the hinge.



7450 Spindles, Hubs, Wheels and Tires

The center sections of all 7450 models feature 4" diameter spindles with 8-bolt triple-teflon sealed hubs packed with grease at the factory. The 8-bolt wheels are equipped with over-the-road trailer tires rated at 5,700 lb. capacity each at 55 mph. All wing sections feature 2 1/4" diameter spindles equipped with 8-bolt triple-sealed hubs and wheels featuring valve stem protection. Highway service tires are standard on all wing sections.



Blades & Spacing

The 22" smooth ultra-low concavity disc blades are available in 6-gauge or 1/4" thickness and feature 7" spacing on both the front and rear gangs. This combination ensures an even cutout across the entire width of the machine. The smooth cutting edge of this blade has proven to wear sharper and longer than fluted or wavy blades used on competitive brands. In wet, sticky conditions, the smooth surface sheds residue better and can be scraped.

Self-Leveling System

Hydraulically controlled fore to aft leveling can be adjusted on the go. That setting will be maintained regardless of operating depth. The system is equipped with a reference gauge to help operators identify settings.



SUPERIOR IN DESIGN



Model 7431-26



Every 7400 Series VT Plus features an all robotically welded 6" square-tube frame. They are designed to be pulled at speeds of 8 to 8½ miles per hour, and require approximately 8 to 10 engine horsepower per foot. Wing sections fold hydraulically for transporting. There are 2 cylinders per wing section used to fold all 5-section models, as well as the 26', 29' and 33' 3-section units. The machine is heavy enough to size heavy residue and penetrate hard, tough soils in fall operations. It has the flotation and ground hugging capabilities for precise depth control during spring seedbed preparation work.



7431 Walking Tandems

All 7431 models are equipped with walking tandem wheels and high flotation tires for outstanding ground following capabilities. This provides unmatched depth control across the entire cutting width of the machine and equal distribution of weight on each wheel assembly. The walking beam pivot bearings rotate on 2" diameter hardened chrome spindles on all models except the 33'. It features 2½" diameter spindles only on the center section. Pivot bearings on all 7431 models can be greased.



7431 Spindles, Hubs, Wheels & Tires

All 7431 models are equipped with 2¼" diameter spindles, with the exception of the center section of 26', 29' and 33' models that feature 3" spindles. All spindles are equipped with 8-bolt triple-sealed hubs and wheels. All hubs can be greased. The wheels feature valve stem protection for increased uptime. The 26' and 29' models feature larger tires rated at 7,400 lbs. capacity and 33' at 8,000 lbs. capacity. These heavy-duty tires provide trouble-free service both in the field and on the road and are standard on all 7431 models.

BEST IN PERFORMANCE



Single-Point Depth Control

Set the depth for the entire machine from one convenient location with a user-friendly screw type adjustment. Each turn changes depth $\frac{3}{16}$ ".



Wing Frame Leveling Adjustment

Leveling the wing frame of the 7400 is simple and user-friendly. Wrenches come with the VT Plus for this adjustment and store on the frame.



LED Light Kits

Light kits and a slow moving vehicle sign are standard equipment on all 7400 Series VTs and comply with A.S.A.E. standards. All lights are LED. All mounting brackets and electric wiring to the tractor are included.



Lift Cylinders

All 7431 models feature 10" lift cylinders. 7450 models are equipped with 16". All lift cylinders are equipped with hardened wear bushings in the rod clevis, as well as in the upright component it connects to on the lift. This eliminates maintenance and controls wear. The shafts of all cylinders are nickel and chrome plated for maximum protection against rust and corrosion.



Gauge Wheels

Heavy-duty gauge wheels pivot for stress-free turns and prevent gouging of the outer portion of each wing frame disc gang for smoother performance and uniform depth control. They are standard on all 7400 Series VTs. The wheel pivots on maintenance-free plastic bushings and are equipped with 6-bolt double-lip sealed hubs. An adjusting wrench comes with each unit and stores on the frame.



Cast Hitch & Tongue Jack

Category III hitches with a $1\frac{1}{2}$ " diameter hitch pin-hole are standard on 3-section models 29' and down. Category IV hitches with a 2" hole are standard on 3-section 33' models and all 5-section 7450 models. This hitch is optional on smaller 7431 3-section models. Category V hitches with a $2\frac{3}{4}$ " hole are available for any 7400 Series VT. All 7400 Series VTs come equipped with a standard heavy-duty tongue jack, rated at 7,000 lb. capacity.

INCREASE YIELDS & PROFITS

Powder Coat Paint

The 7400 VT Plus is coated with powder coat paint, the toughest finish within the industry. This high-quality coating provides a hard finish that resists scratches and rust, allowing the VT Plus to retain a high gloss appearance for years to come.

3-Year Warranty

Everything on the 7400 is covered by The Landoll 3-year warranty policy with exception of tires, hydraulic hose and ground engaging tools such as disc blades and scrapers. These components are covered by the supplying manufacturer's warranty policy.

14' Rigid VT Plus

Smaller acreage farmers can hook their lower horsepower tractors to the 14' Rigid VT Plus. The 7410 has all of the same features as the big flexible units, including the 6" square tubular, all robotically-welded frame. These features allow the unit to perform with the same outstanding results as operators have experienced with the larger wing-type models. Gain improved and uniform emergence of your spring crops by planting earlier into a perfect seedbed, prepared by the 7410 VT Plus.



Model 7410-14

Model Specifications

Model No.	Trans. Width	Trans. Height	Blade Dia.	Blade Spacing	Rear Gang Cut	Front Gang Cut	Est. Wt.
7410-14	15' 2"	N/A	22"	7" F/R	13' 10"	11' 8"	10,940 lbs.
7431-23	13' 7"	11' 6"	22"	7" F/R	23' 6"	22' 0"	18,135 lbs.
7431-20	13' 7"	9' 10"	22"	7" F/R	19' 10"	17' 8"	15,780 lbs.
7431-26	13' 7"	13' 1"	22"	7" F/R	26' 3"	24' 5"	20,500 lbs.
7431-29	13' 7"	13' 11"	22"	7" F/R	29' 0"	26' 10"	22,165 lbs.
7431-33	17' 11"	13' 11"	22"	7" F/R	33' 2"	31' 4"	25,120 lbs.
7450-39	17' 4"	11' 0"	22"	7" F/R	39' 9"	37' 6"	37,170 lbs.
7450-44	17' 4"	12' 3"	22"	7" F/R	44' 9"	42' 6"	39,490 lbs.
7450-49	17' 4"	13' 6"	22"	7" F/R	49' 9"	47' 6"	41,810 lbs.



1900 North Street • Marysville, KS 66508 • (785) 738-6613 • www.landoll.com

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