2020 **TEDDERS**

Vermeer

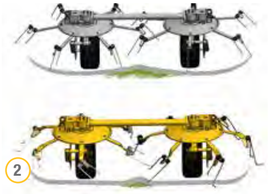
THE HOOK TINE **ADVANTAGE**

Haying in high-moisture climates with above-normal rainfall? Or just trying to close the gap between cutting and baling to shorten drying times and reduce nutritional losses in your downed hay and forage? Check out Vermeer TE-series hook tine tedders featuring a unique design.

Why use hook tine tedders? TE-series tedders can offer three important benefits: high-performance tedding action, high-volume output and optimized durability.

Because of the unique configuration and special angle of the hook tine, Vermeer TE-series tedders can pick up and spread larger amounts of crop than conventional tedders with straight tines, and they create a “bottoms-up” tedding action that rotates the hay for dry down consistency. And it’s all handled by a tine that’s considerably flexible and specially positioned to handle high speeds and output with minimal tine damage.

Clean crop pickup. Excellent ground contouring. Vermeer hook tines are better able to adapt and follow the ground because they operate in a trailed position, picking up and turning the crop, short or long, while helping avoid crop contamination from excessive digging. This unique design allows producers to effectively hit the low spots between rotors.



1. Hook tines are built to last and are the only ones in the field today with a 3-year limited warranty. The specially coiled hook tine design is flexible, and because it rotates at a trailed angle, tine breakage is minimized.

2. The hook gives you a good grip on the crop. It allows you to decrease rpm and helps minimize leaf loss while still dispersing the crop evenly for consistent dry down. Even wet and lumpy hay is gently separated. The shorter leg of the double tine picks up drier crop material off the surface as the longer leg picks up the lower and wetter material. This allows you to flip wet material on top instead of blending it together. It’s a great way to maintain forage quality.

TE1710, TE2510 AND TE3310 **TEDDERS**

Take control of your hay dry down. Tedding has spread across the country as an efficient way to speed up the dry down of hay to help change outcomes in the field. By rethinking the way tedders are used and built, Vermeer designed the new 10-series TE tedders to combine heavy-duty performance, ease of use, transport and maintenance.

Available in 17 ft (5.2 m), 25 ft (7.6 m) and 33.5 ft (10.2 m) tedding widths, the next generation 10-series tedders offers high-performance tedding — consistently spreading the crop widely and evenly. This comes from a unique hook tine design that creates a bottoms-up motion to pick up and spread large amounts of crop and leave the wettest crop on top for increased dry down. Efficiently identify the baskets with different color tines for left and right rotations. Plus, they're backed by the 3-year hook tine limited warranty.

An enhanced heavy-duty frame is designed for the TE1710 tedder to withstand tough field conditions, while toolless basket angle adjustments allow operators to make changes on the go, and now it only takes one pair of tractor hydraulic remotes to both fold and tilt baskets for transport and field operation. A strong center frame and gearbox adds to a balanced center of gravity and stability.

The new 10-series tedders offer large and durable basket tires and rims with a 5-bolt hub for ground contouring and flotation in the field. These tires also help provide durability when traveling down the road with the TE1710.

1 Large-diameter rotors work with exclusive hook tines, allowing operation with low rotation speeds to evenly distribute crop. The rotor and hook tines work together to help prevent crop loss and allow heavy lumps of hay to separate evenly, all without having to steepen the angle of the rotor. Baskets float independently to maintain consistent tedding angles/heights of the hook tines.

MODEL	TEDDING WIDTH	HP REQUIREMENTS
TE1710	17 ft (5.2 m)	34 hp (25.4 kW)
TE2510	25 ft (7.6 m)	47 hp (35 kW)
TE3310	33.5 ft (10.2 m)	60 hp (44.7 kW)

2 Anti-wrap plates help prevent downed crop material from wrapping around wheels. This minimizes buildup and damage to wheels and bearings caused by tightly wrapped crops. Large, durable basket tires supported by strong spindles allow for ground contouring and flotation with quiet and convenient transport from field to field.

3 Heavy-duty, solid-frame construction provides stability and durability, while the radial pin clutch protects the drive components and center gearbox. The reinforced tongue offers longevity to help these tedders perform year after year.

4 The hook tines translate into quick, consistent dry down for even wet crops. The hook tines are staggered in length, helping the wet crop on bottom be gently placed on top. Operate at a lower rpm to minimize leaf loss while still dispersing the crop evenly for consistent dry down.

5 The convenient adjustments to basket angle and height allow operators to match the field and crop conditions. Remember, with the hook tines, you can worry less about making these adjustments and let the tines do the work for you.

TD100 AND TD190 **TEDDERS**

Designed for speed, convenience and reliability — and priced for the budget-conscious operator — meet the TD100 and TD190 tedders. The TD100 delivers a compact 10 ft (3 m) tedding width with two rotors for smooth, gentle handling at maximum ground speeds, even when handling heavy, matted-down windrows. Ted at widths up to 19 ft (5.8 m) with the TD190, which comes equipped with four rotors and hydraulic folding for quick, convenient transport. Both models offer simplicity in operation and ease of maintenance. This includes an adjustable crank for changing the pitch angle precisely in a matter of seconds. It's the economical, no-frills tedder you've been waiting for.

The word is spreading about advantages of tedding for producers, and the process is becoming more popular on operations across the globe. Fast drying time can result in higher-quality forage. Plus, the sooner you get your crop off the field, the less yield you lose off the next cutting — it's a win-win.

1 Six double tines on each basket help to gently pick up a small quantity of forage, flip it and lay it back on the ground without damage or ash. The tender turn of the hay helps quicken dry down time by exposing the crop to sun and air. Decreasing dry down time allows you to get the hay off the field sooner.

2 The toolless pitch adjustment crank allows you to set proper pitch adjustment, which is crucial to get an accurate flip of the hay. Accurate pitch adjustment minimizes ash content and wear on the machine.

3 Travel over your fields with the 16 in x 6 in (40.6 cm x 15.2 cm) tires — larger than previous TD-series tedders. Large tires can offer increased durability by offering a smooth ride, which can reduce machine wear.

4 If you are going to take the time to make another pass in the field and ted, you want to make sure to avoid missing any crop. The outer mounted rotors on the TD190 follows uneven ground to turn hay, even in low spots.

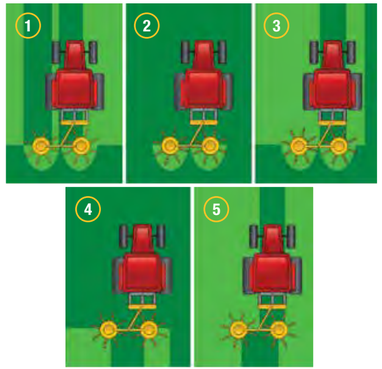
5 The TD190 transport lock can be released from the seat, and the outside rotors can hydraulically fold to a 10.9 ft (3.3 m) transport width, making it convenient to quickly move from field to field.

TR90 **TEDDER/RAKE COMBO**

Ideal for smaller operations, the TR90 tedder/rake combo has a convenient adjustment clip that lets you reposition the hook tines and switch from spreading and tedding (outer position) to windrowing (inner position) in minutes. Spreading and tedding angles and heights are adjusted by selecting any one of five settings on the rotor wheels and infinitely adjusting the top link.

Choose your combination:

1. Spreading swaths
2. Tedding
3. Spreading windrows
4. Windrowing
5. Shifting swaths or windrows across



TEDDER SPECIFICATIONS

DIMENSIONS AND WEIGHTS	TE1710	TE2510	TE3310	TD100	TD190	TR90
Tedding width	17 ft (5.2 m)	25 ft (7.6 m)	33.5 ft (10.2 m)	10.6 ft (3.2 m)	19.5 ft (5.9 m)	9.8 ft (3 m)
Transport height	8.5 ft (2.6 m)	9.8 ft (3 m)	9.5 ft (2.9 m)	4.6 ft (1.3 m)	9.6 ft (2.9 m)	8.5 ft (2.6 m)
Transport width	9 ft (2.7 m)	9.8 ft (3 m)	9.8 ft (3 m)	11.6 ft (3.5 m)	10.9 ft (3.3 m)	8.3 ft (2.5 m)
Transport length	7.2 ft (2.2 m)	15.3 ft (4.7 m)	15.25 ft (4.6 m)	10.4 ft (3.2 m)	10.4 ft (3.2 m)	8.5 ft (2.6 m)
Total weight	1480 lb (671.3 kg)	3200 lb (1451.5 kg)	5200 lb (2358.7 kg)	670 lb (303.9 kg)	1225 lb (555.7 kg)	730 lb (331.1 kg)
Tongue weight	240 lb (108.9 kg)	900 lb (408.2 kg)	1260 lb (571.5 kg)	88 lb (39.9 kg)	132 lb (59.9 kg)	NA
Tire size	18.5x8.5-8	18.5x8.5-8	18.5x8.5-8	16x6.5-8	17x6.5-8	16x6.5-8
Transport tire size	NA	11L-15 8-ply	31x13.5-15	NA	NA	NA
Transportation type	Transported on basket wheels	Carted on transport wheels	Carted on transport wheels	Transported on basket wheels	Transported on basket wheels	Transported on rotor wheels
Basket height adjustment	5 positions on the basket wheel	5 positions on the basket wheel	5 positions on the basket wheel	NA	NA	5 positions on the basket wheel
Basket angle range	10°-19°	10°-17°	5°-15°	NA	NA	7°-17°
Basket angle adjustment style	Standard hydraulic tilt cylinder	Adjustable by changing wheel frame/main frame mount	Adjustable by changing wheel frame/main frame mount	Adjustable screw	Adjustable screw	Infinitely adjustable via top link on tractor
Number of baskets	4	6	8	2	4	2
Tine arms per basket	6	6	7	6	6	8
Type of tine	Hook tine	Hook tine	Hook tine	Straight tine	Straight tine	Hook tine
Torque protection driveline	Radial pin clutch	Radial pin clutch	Radial pin clutch	Radial pin clutch	Radial pin clutch	NA
Overrunning clutch	NA	NA	Yes	NA	NA	NA
Operating speed maximum	9.3 mph (15 km/h)	9.3 mph (15 km/h)	9.3 mph (15 km/h)	9 mph (14.4 km/h)	9 mph (14.4 km/h)	9.3 mph (15 km/h)
TRACTOR REQUIREMENTS						
PTO horsepower requirements	34 hp (25.4 kW)	47 hp (35 kW)	60 hp (44.7 kW)	15 hp (11.2 kW)	25 hp (18.6 kW)	25 hp (18.6 kW)
Hydraulic requirements	1 double-acting	1 double-acting	2 double-acting	NA	1 single-acting	NA
Hydraulic pressure minimum	2100 psi (144.8 bar)	2000 psi (137.9 bar)	2100 psi (144.8 bar)	NA	1500 psi (103.4 bar)	NA
Hitch	Drawbar clevis connection	Drawbar clevis connection	Drawbar clevis connection	Drawbar clevis connection	Drawbar clevis connection	Category II 3-point hitch
Drive PTO	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm

STANDARD DETAILS

- SMV sign
- Highway lights (TE2510 and TE3310 only)

OPTIONAL FEATURES

- Safety chain

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