# PÖTTINGER HIT

### Tedders



Find out more online!







## HIT Quality requirements are growing ...

A safe future, quality-oriented and productive – the key essentials of modern agriculture. It is not enough to just produce agricultural technology, we have to meet the requirements of today's farmers. That is a challenge demanding a will to experiment and the ability to think freely. Thinking the same way as you.

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# High quality standards for a long service life



Heavy duty frame



Support plate



Powder-coated paintwork True automotive quality

- The robustness of the machines is further enhanced by new, clamped and reinforced safety guard brackets. Pöttinger's high standard of workmanship is also extremely important in the tedders.
- Welds seams can be weak points. The tube frame construction on HIT tedders are weld-free and pressed into castings for a permanent fit.
- Heavy duty frame hinges with replaceable bushes.
- Each rotor features an additional support plate to increase the strength of the tine arm mountings. This ensures the arms cannot twist, even in a really heavy crop.
- Robust flat bar tine arms ensure that fittings remain in place more securely.
- Large flotation tyres ensure smooth running and protect the sward, even over bumpy ground. All wheels are fitted with anti-wrap guards as standard.
- Powder-coated paintwork has proven its flexibility and durability in the field. Surfaces can be retouched without the paint flaking away true automotive quality.

### "Heavy duty" tines

Losing tines during tedding is not just annoying, it also puts animals and following harvesting machinery at risk.

#### "Heavy duty" tine with a long service life

- The "Heavy Duty" tine ensures reliability. The curved shape of the mounting supports the tine, making it more effective and harder wearing. Benefits: the tines are much more durable and need to be replaced less often. The tine saver security system is integrated into the holder.
- The unequal lengths of the tines make a significant contribution to improving the spreading quality and extending the service life.
- In addition, this unequal length is very important in ensuring clean forage.





## Mountings – Transmission – Service life Mounting options

HIT N – Pivoting headstock



Tedders from Pöttinger are well-known for their short headstock. The centre of gravity is located closer to the tractor, reducing the lifting requirement of the tractor and increasing driving safety.



### HIT-Tech constant velocity joints

These constant velocity joints guarantee smooth transmission of power through to the outer rotors.

- Power is transmitted without play. That is the only way to ensure that the tines pick up the crop at a regular frequency and distribute it evenly.
- Each rotor can move freely under full power in every position. Ultimate ground hugging is guaranteed, even on slopes and rough ground.
- Sealed lubricated joints universal joints reduce the number of lube points and the maintenance needed.





# Pivoting headstock with heart-shaped pivot pin retainer

- Perfect cornering with the tedder following in the tractor's tracks. The shock absorbing struts provide additional stability with spring-loaded cylinders compensating for turning movement.
- When lifted the tedder swings into the central position. Even on slopes the tedder cannot underrun, it follows the tractor exactly.
- To lock the headstock for road transport just move the locking pin into the front position.

### Stabilizing shock absorbers

- Double-acting coil spring shock absorbing struts on both sides ensure the tedder remains centred, even on slopes. The struts stabilise the machine when it is lifted and during transport on the road. Even at high travelling speeds the machine is prevented from swaying.
- Standard equipment on HIT 690 N / NZ, 800 NZ, 810 N / NZ.
- As an option for HIT 470 N, 540 N, 610 N / NZ (varies from country to country).





Clean forage is the number one aim of the harvesting process. Reduced contamination and lower ash content in the silage means healthier animals and higher meat and milk yield. The optimum rotor position must be easy to adjust effectively.

### Multitast wheel for clean forage

### Jockey wheel for optimum ground tracking and sward protection

- A chain type top link or telescopic link is used instead of a rigid top link. The additional jockey wheel in front of the rotors guides the rotors over undulations. The jockey wheel ensures that the working height is always set correctly.
- Large areas can be covered at high speed as a result. In addition the sward is protected and the service life of the tines extended.
- No tools are required to adjust the multitast jockey wheel. An anti-wrap guard is standard equipment.





### Fenceline tedding

- Setting the wheels at an angle causes the tedder to run diagonally so the forage is not flung onto neighbouring fields or crops. This can also be used to prevent the tedder drifting downhill when working across really steep slopes. The wheel can be adjusted to the left or right.
- All HIT and N types are adjusted manually; HIT NZ and HIT AZ models are adjusted centrally.

### Rigid rotor angle adjustment

Fine tooth meshing allows the rotor angle to be adjusted in seven stages of one degree each – adaptable to different forage types and quantities.



Adjust manually (on HIT N models)



Mechanical fenceline adjustment (HIT NZ models) – operated from the tractor seat by rope lanyard.



Hydraulic fenceline adjustment (standard on AZ models option on NZ models) – operated by singleacting hydraulic cylinder with gas accumulator.



### 4-rotor tedder

The increased specifications required by small to mediumsized farms are met by this 4-rotor machine.

Designed to work on really steep slopes in addition to normal ground, these tedders have a short headstock and small diameter rotors. Compact engineering. The tedders for medium-sized farms. Can be operated comfortably from the driver's seat. HIT 470 N – working width 14.44 ft / 4.40 m (DIN)

This 4-rotor tedder features 6 tine arms per rotor and hydraulic folding, tyres 15 x 6.00-6.

HIT 540 N - working width 17.06 ft / 5.20 m (DIN)

7 tine arms per rotor and hydraulic folding, tyres 16 x 6.5-8.

- The rotors rotate inwards to reduce collision risk and overall transport width.
- Tedding with smaller tractors: a drawbar and PTO shaft are available for HIT 540 N.





# HIT 610 N/NZ HIT 690 N/NZ HIT 800 NZ/AZ

The tedder range for farmers who place value on high performance, top-of-the-range equipment and comfortable operation.

The trailed version HIT 800 AZ can achieve really high output even with smaller tractors.

## 6-rotor tedder best quality forage, leaf for leaf

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HIT 610 N - working width 18.86 ft / 5.75 m (DIN)

- 5 arms per rotor
- Tedder with manual fenceline system, rotor diameter 4.27 ft / 1.30 m

HIT 610 NZ - working width 18.86 ft / 5.75 m (DIN)

- 5 arms per rotor
- Central fenceline tedding system

HIT 690 N - working width 21.16 ft / 6.45 m (DIN)

- 6 arms per rotor
- A cost-effective 6-rotor tedder with manual fenceline system

HIT 690 NZ - working width 21.16 ft / 6.45 m (DIN)

- 6 arms per rotor
- HIT 800 NZ working width 24.44 ft / 7.45 m (DIN)
- 7 arms per rotor



HIT 610 NZ / 690 NZ and 800 NZ tedders come with a fenceline tedding system as standard.

HIT 800 AZ - working width 24.44 ft / 7.45 m (DIN) - 6-rotor tedder with 7 tine arms per rotor

- The A models are equipped with an additional chassis which is also trailed during operation.
- Hydrolift is standard equipment on HIT 800 AZ. The outer pair of rotors are raised to the limit stops during turning, and the transport chassis lifts the whole tedder clear of the ground. vA single-acting connection is all that is needed!





HIT 610 NZ

Farmers' needs are growing – and so is our product range. In addition to meeting the needs of small to medium sized farms we also aim to satisfy the requirements of contractors and large farms.

НІТ	Width	Working width DIN	Rotors
470 N	15.42 ft / 4.70 m	14.44 ft / 4.40 m	4
540 N	17.72 ft / 5.40 m	17.06 ft / 5.20 m	4
610 N	19.68 ft / 6.00 m	18.86 ft / 5.75 m	6
610 NZ	19.68 ft / 6.00 m	18.86 ft / 5.75 m	6
690 N	22.47 ft / 6.85 m	21.16 ft / 6.45 m	6
690 NZ	22.47 ft / 6.85 m	21.16 ft / 6.45 m	6
800 AZ	25.75 ft / 7.85 m	24.44 ft / 7.45 m	6
800 NZ	25.75 ft / 7.85 m	24.44 ft / 7.45 m	6

N = pivoting headstock , A = trailed machine, Z = central fenceline tedding system PTO speed – 540 rpm

### HIT tedders to match any mower

Mower working width: Mower swath width:	1,65 m 0,80 m	1,85 m 0,90 m	2,20 m / 2,25 m 1,10 m
HIT 470			
HIT 540			
HIT 610			
HIT 690			
HIT 800			
Mower working width: Mower swath width:	3,88 m	4,30 m	5,30 m (3 m + 2,6 m) 1,80 m + 1,40 m
HIT 470			
HIT 540			
HIT 610			
HIT 690			
HIT 800			
Mower working width: Mower swath width: Mower combinations:	7,30 m (3 m + 2 x 2,60 m) 1,40 m + 1,80 m + 1,40 m NOVADISC 730	8,30 m (3 m + 2 x 3 m) 1,80 m + 1,80 m + 1,80 m NOVACAT X8	9 m (3 m + 2 x 3,5 m) 2,10 m + 1,80 m + 2,10 m NOVADISC 900
HIT 470			
HIT 540			
HIT 610			
HIT 690			
HIT 800			

Arms per rotor	Transport width	Parking height	min. kW/hp	Weight
6	8.20 ft / 2.50 m	7.38 ft / 2.25 m	15 kW / 20 hp	846 lbs / 384 kg
7	9.35 ft / 2.85 m	8.53 ft / 2.60 m	26 kW / 35 hp	926 lbs / 420 kg
5	9.35 ft / 2.85 m	9.74 ft / 2.97 m	30 kW / 40 hp	1477 lbs / 670 kg
5	9.35 ft / 2.85 m	9.74 ft / 2.97 m	30 kW / 40 hp	1532 lbs / 695 kg
6	9.84 ft / 3.00 m	10.99 ft / 3.35 m	33 kW / 45 hp	1543 lbs / 700 kg
6	9.84 ft / 3.00 m	10.99 ft / 3.35 m	33 kW / 45 hp	1599 lbs / 725 kg
7	9.84 ft / 3.00 m	12.24 ft / 3.73 m	30 kW / 40 hp	1819 lbs / 825 kg
7	9.84 ft / 3.00 m	12.24 ft / 3.73 m	37 kW / 50 hp	1719 lbs / 780 kg

All data for information only, features may vary from country to country



## Ausstattungen

	Tyres	Tyres transport chassis	Multitast wheel	Fenceline tedding system
HIT 470 N	15 x 6,0-6	-		Manual
HIT 540 N	16 x 6,5-8	-		Manual
HIT 610 N	16 x 6,5-8	-		Manual
HIT 610 NZ	16 x 6,5-8	-		Central
HIT 690 N	16 x 6,5-8	-		Manual
HIT 690 NZ	16 x 6,5-8	-		Central
HIT 800 NZ	16 x 6,5-8	-		Central
HIT 800 AZ	16 x 6,5-8	18,5 x 8,5-8	_	Central

 $\blacksquare$  = Standard,  $\square$  = Optional



13 x 5,0-6





260/70 x 15,3

18,5 x 8,5-8





Multitast wheel 15 x 6,00-6, 16 x 6,5-8



Manual wheel adjustment



Remote central fenceline adjustment



16 x 6,5-8

18,5 x 8,5-8

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Hydraulic fenceline system	Hydrolift folding	Shock absorber struts	Swath transmission	Warning signs / Lighting
-	•			
-				□/□
_				■/□
		Stabiliser strut /		■/□
-		Stabiliser strut /		■/□
				■/□
	•	-		

All data for information only, features may vary from country to country



Single-acting hydraulic

connection HIT NZ-Types



Hydrolift single-acting



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Swath gear unit



Warning signs to national road safety requirements





Double-acting hydraulic connection HIT AZ-Types



POTTINGE

Friction damper standard on HIT 610 N





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