



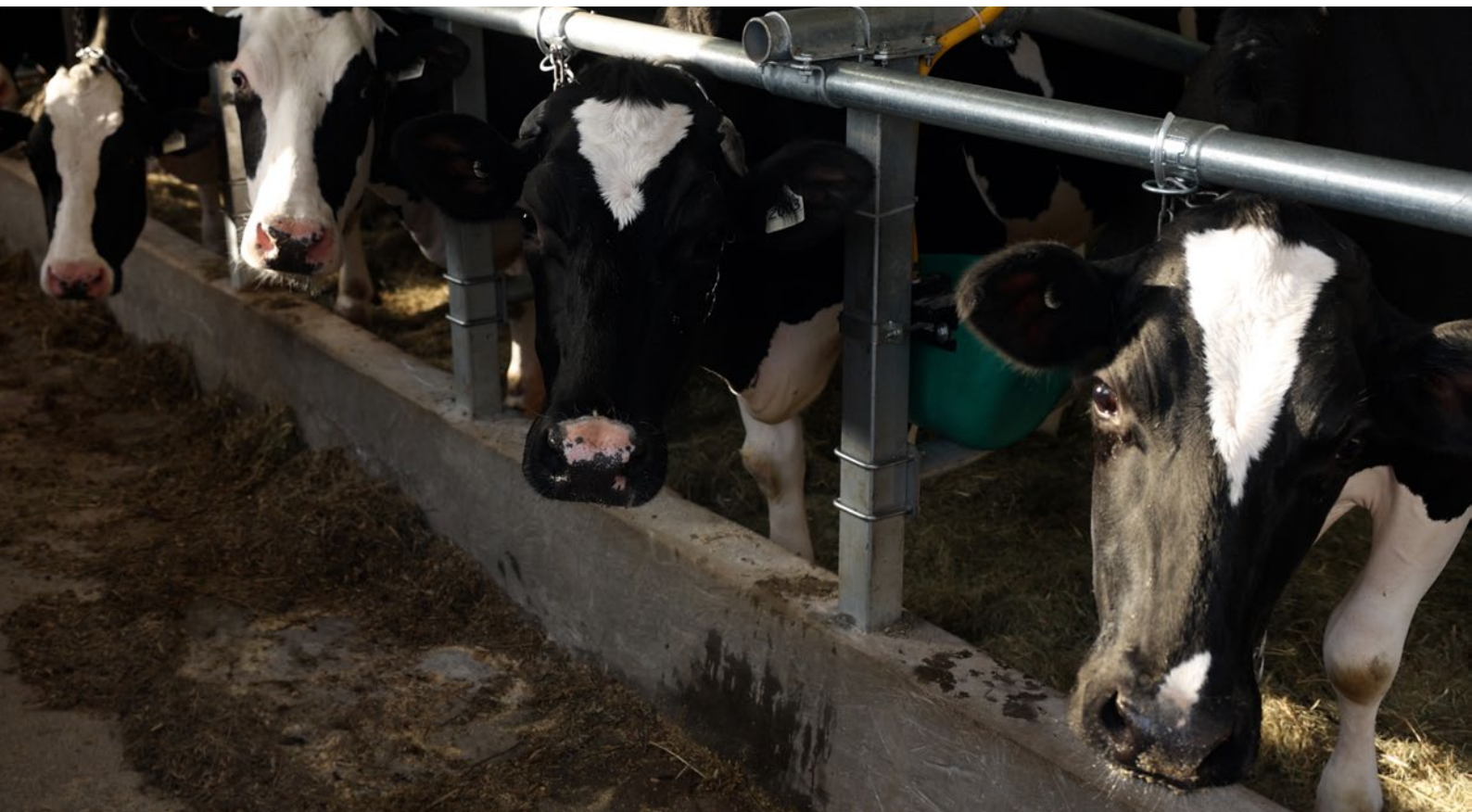
Rakes

LINER



GRASS CARE.

For more milk per acre.



Forage quality. Raking performance.
Premium engineering.

Your forage quality is our number one priority. At the same time we protect your resources and know that your time is limited.

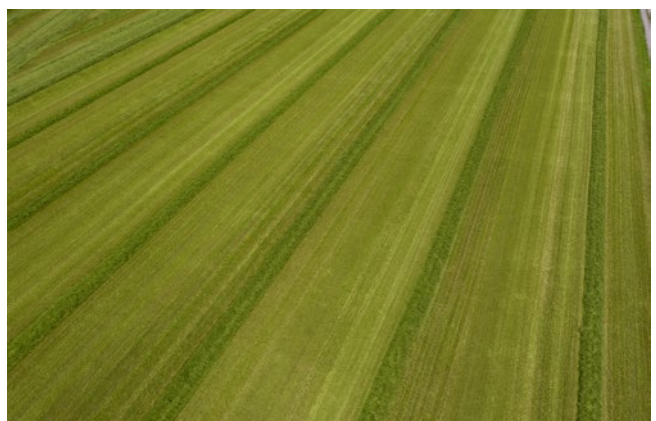
The contouring ability and perfectly shaped windrows make sure that your grass sward remains intact, field is quickly cleared, and livestock are healthy and productive.



Flawless ground-contour following to keep your grass sward intact.

Intelligent engineering and perfectly coordinated machine components result in rotor robustness and quick adjustability for flexibility in crops - from legumes to long stem grasses.

So why us? Because despite our decades of experience in Europe, we never rest on our laurels – we listen to you and turn your wishes into the machine you always wanted.



Maximum raking performance for fast work and a clean field.

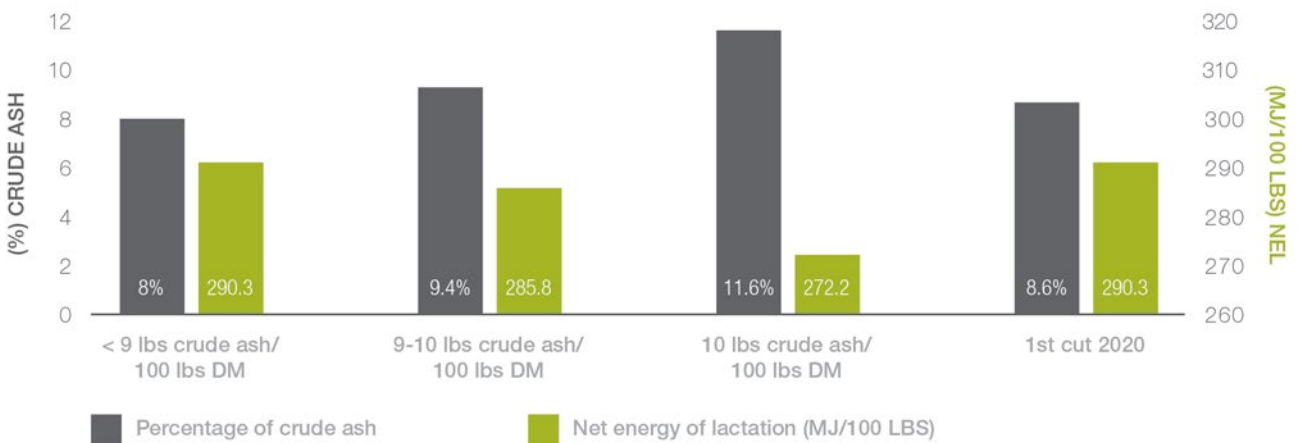
Clean forage for more milk: Around 1% less crude ash brings an extra 4.5 MJ/100 lbs dry matter!

The crude ash content in silage is the total amount of minerals from the crop and from soil contamination present in the forage. Along with crude protein, crude ash has a buffering effect on acidification during the ensiling process. High levels of contamination thus lead to higher energy losses and lower protein quality, thereby increasing the risk of butyric acid fermentation.

Evaluation of the first cut in southern Germany proves a positive correlation between high-quality grass silage and low-contamination harvesting (see table). The lower the level of crude ash, the better your silage quality. Less ash content improves the feed to milk yield or rate of gain ratio and lower levels of crude ash also improve animal health and longevity.

CRUDE ASH AND NET ENERGY OF LACTATION (NEL)

FIRST CUT 2020 IN SOUTHERN GERMANY BROKEN DOWN BY CRUDE ASH CATEGORY (n=426)

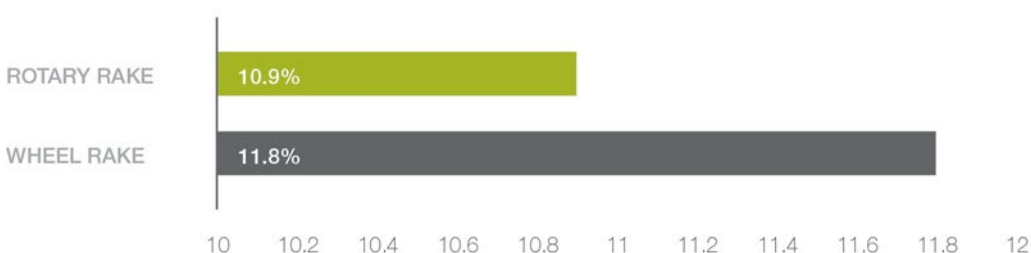


In addition to good crop husbandry and selecting the right time to harvest, the use of harvesting machinery and equipment with good ground-contour following thus makes a major contribution to producing high-quality silage. A study in Minnesota, Pennsylvania and Wisconsin reveals that raking

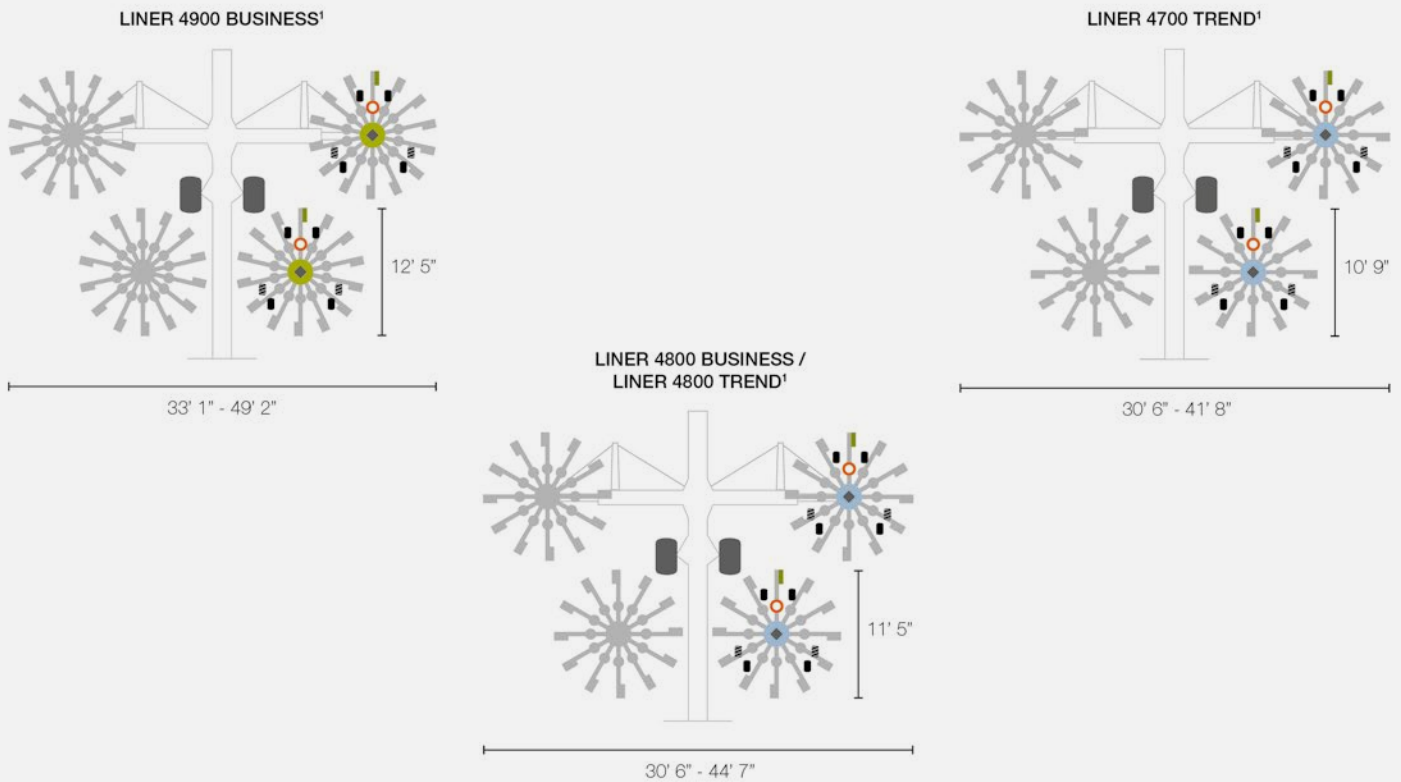
with a rotary rake rather than a wheel rake causes 1% less ash during raking (see table). If a daily feed ration of 25 lbs. Alfalfa hay contains 11% raw ash instead of 12% raw ash, this amounts to yearly savings of 22.5 tons forage or \$3,375 at a cost for hay of \$150/ton for a herd of 500 animals.

RAW ASH CONTENT

AFTER RAKING WITH DIFFERENT RAKE TYPES





The ultimate professional – the four-rotor rake.






Key





Tines

-  Silage tines - 9.5 mm (3/8 in)
-  Standard tines - 9 mm (11/32 in)

Tine Arm Attachment



-  PROFIX / 20 spl. shaft
-  PROFIX / lemon profile
-  Cotter pin / lemon profile

Rotor Drive Assembly

-  14-arm rotor drive assembly (permanently lubricated) with triple bearing
-  12-arm rotor drive assembly (permanently lubricated) with triple bearing
-  11-arm rotor drive assembly (permanently lubricated)
-  Fully floating cardan suspension

Chassis

Two, four, or six-wheel rotor chassis, depending on the model:

-  Standard
-  Optional

- ¹ BUSINESS / TREND - Variants
- ² TWIN - Dual swaths possible
- ³ T - Trailed

Team player in the harvest chain.

Conditions keep changing – as do people and harvesting processes. Continuous change places complex demands on machinery and equipment, which we meet with a powerful team of forage harvesting machines. One of over 15 LINER models will make a powerful member of your team.

A clean sweep.

It goes without saying that our customers want only the best machines. CLAAS engineers work day in, day out to meet these expectations. No other rake gives your field such a clean sweep – so that you get the best forage quality.



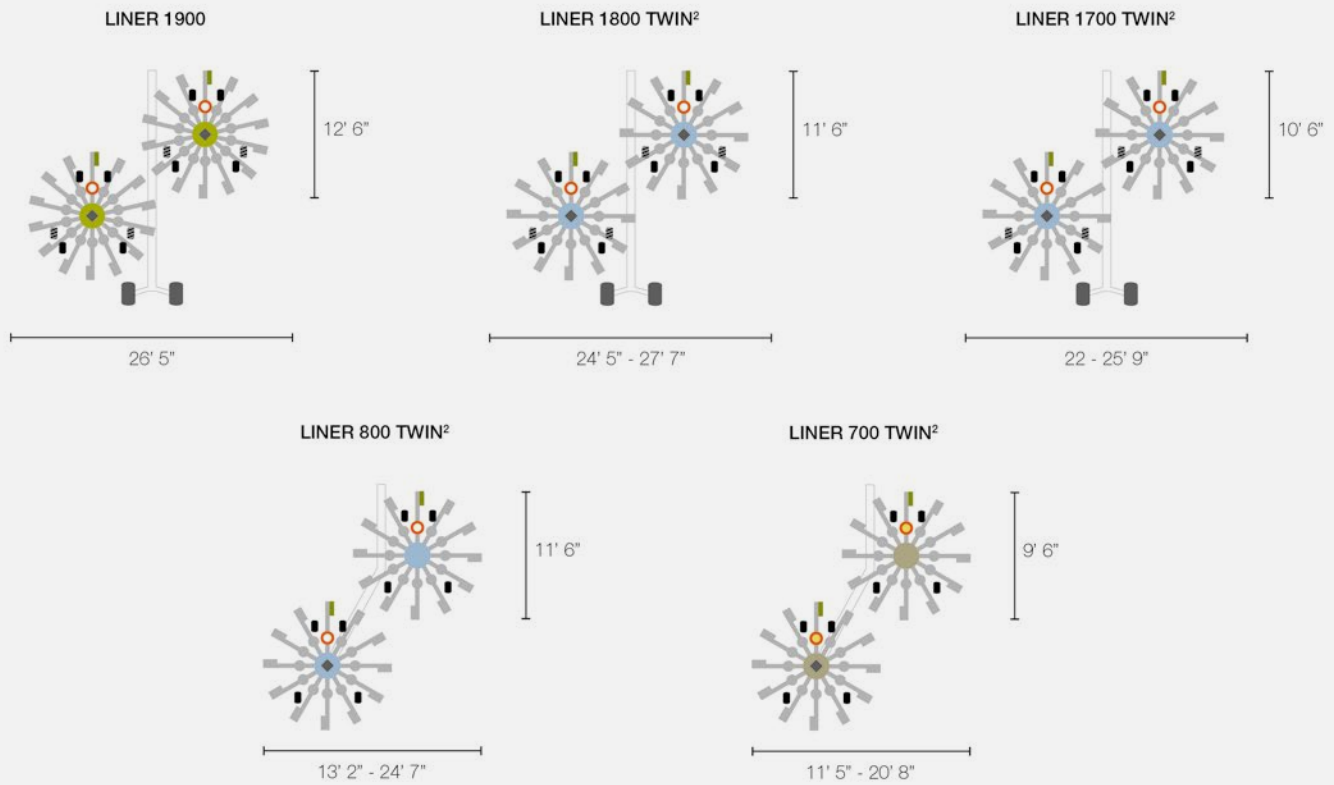
Forage quality.

Our goal is to help you make top-quality forage with minimal nutritional losses. Unlike wheel rakes or bar rakes, CLAAS rotary rakes use PTO power to gently move crop into the windrow. Straight drivelines and simple gearing allow the PTO to be operated at low speeds which reduces ash incorporation in all crops and retains more nutrition-rich leaves in legume crops. Ground contouring is also extremely important to keep the rake teeth out of the soil. All these features ensure the best quality forage is harvested year after year.

Productivity.



Small details of the LINER make the most of precious time and save you money: Lubrication intervals for most driveline components are at least every 50 hours with most only needing greased every 250 hours. Extended maintenance intervals equal less downtime. The rotor drive is located in a solid cast housing, which is filled with oil and sealed. This means the core component of the LINER is protected from dirt entering and is maintenance-free. Visible indicators make sure the rake is set to keep tines out of the soil and for cleaner windrows. All these details ensure your time is spent getting hay harvested at the right quality.

The classic choice – the dual-rotor rake with side delivery.






Key





Tines

-  Silage tines - 9.5 mm (3/8 in)
-  Standard tines - 9 mm (11/32 in)

Tine Arm Attachment



-  PROFIX / 20 spl. shaft
-  PROFIX / lemon profile
-  Cotter pin / lemon profile

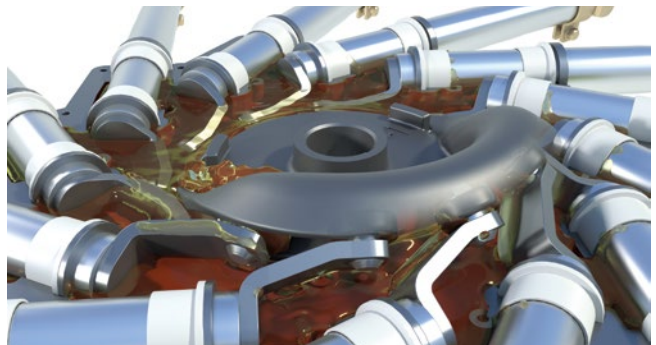
Rotor Drive Assembly

-  14-arm rotor drive assembly (permanently lubricated) with triple bearing
-  12-arm rotor drive assembly (permanently lubricated) with triple bearing
-  11-arm rotor drive assembly (permanently lubricated)
-  Fully floating cardan suspension

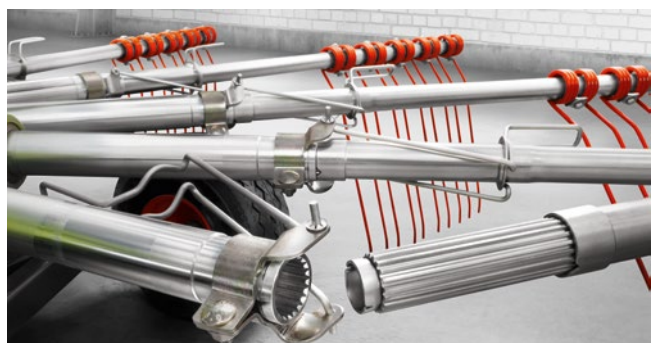
Chassis

Two, four, or six-wheel rotor chassis, depending on the model:

-  Standard
-  Optional
- ¹ BUSINESS / TREND - Variants
- ² TWIN - Dual swaths possible
- ³ T - Trailed

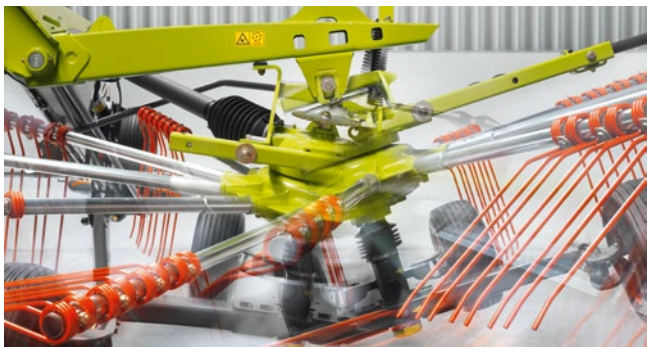
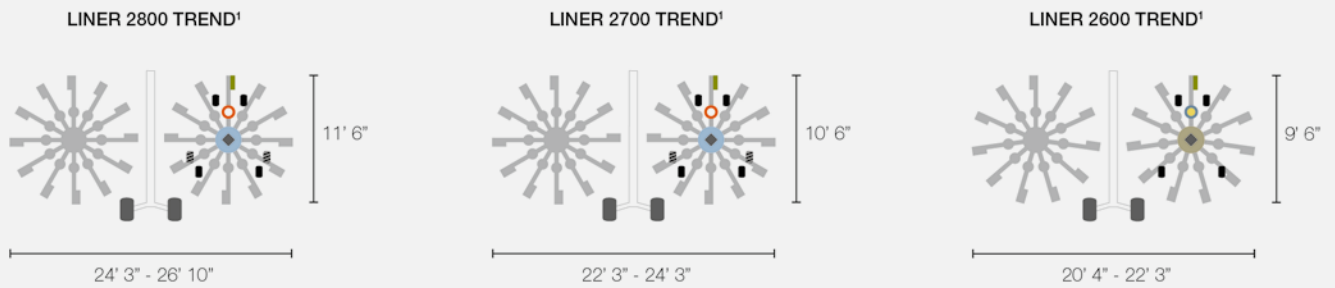
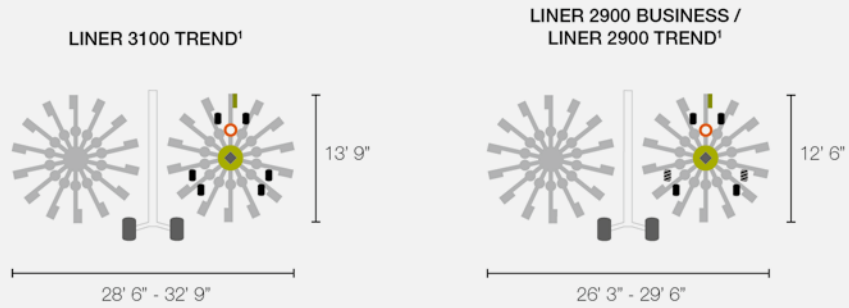


For maintenance-free reliability: the core component of the LINER is the cam track running in an oil bath.



For convenient tine arm attachment and removal: the patented PROFIX tine arm attachment system with splined shaft.

The all-rounder – the dual-rotor rake with center delivery.



For exact ground contour-following: Fully floating cardan rotor suspension ensures that the rotors follow the ground contours independently of the tractor.



For healthy soil: During lifting and lowering the rear wheels touch down before the front. The rotor behaves like a plane taking off and landing, called the Jet Effect.

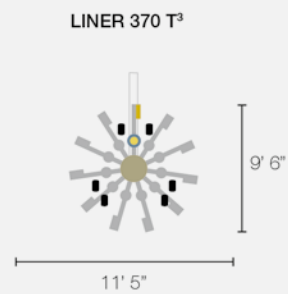
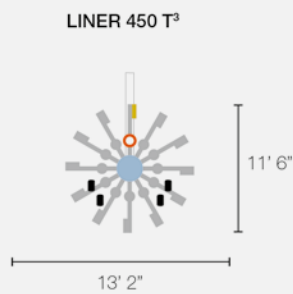


For exceptional tine guidance: with the rotor chassis positioned as close as possible to the rotating tines.





GRASS CARE: flawless ground-contour following, maximum raking performance and optimal forage quality for healthy, productive livestock.

The compact one – the single-rotor rake.






Key





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-  PROFIX / lemon profile
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-  Fully floating cardan suspension

Chassis

Two, four, or six-wheel rotor chassis, depending on the model:

-  Standard
-  Optional
- ¹ BUSINESS / TREND - Variants
- ² TWIN - Dual swaths possible
- ³ T - Trailed



CLAAS Saugau GmbH in Germany is the company's forage harvesting center of excellence, with one of the most modern product development facilities in the world.



Built on the best of the past.

Our customers are looking for versatile solutions that match their specific needs. As farms keep growing and changing, we keep pace by continuously developing our products. We retain the best of our existing technology, and keep improving everything else.

The forage harvesting center of excellence.

The forage harvesting product development center at the CLAAS plant in Germany is one of the most modern and advanced facilities of its kind in the world. And since it is located right in the heart of Europe's largest continuous grassland region, CLAAS employees have a very good understanding of what needs to be done.

Plenty of performance.

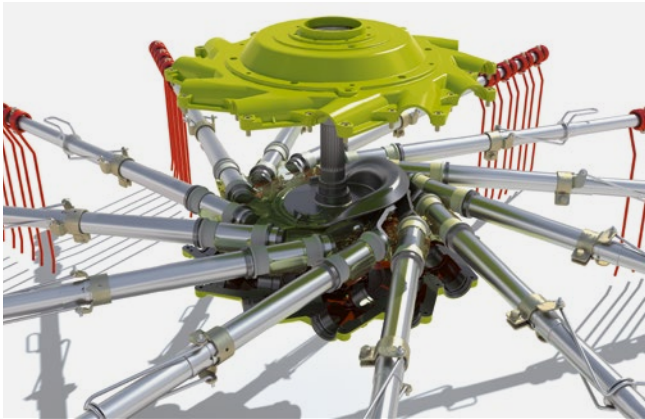
Operations with smaller tractors can also reap the benefits of a high-performance rake with the LINER 450 T, and 370 T. The trailed rakes follow on effortlessly behind the tractor even over sloping terrain. Once hitched, the wide wheelbase ensures the machine stays in line behind the tractor both in the field and on the road.

Smoothed out bumps.

The CLAAS contour chassis with a V-shape tandem axle is positioned close to the tines and adapts to uneven ground. The configurable lateral tilt enables the machine to adjust to different forage volumes. This rake glides over uneven surfaces, even under challenging conditions, to ensure that you can operate with minimal loss and an outstanding crop quality.

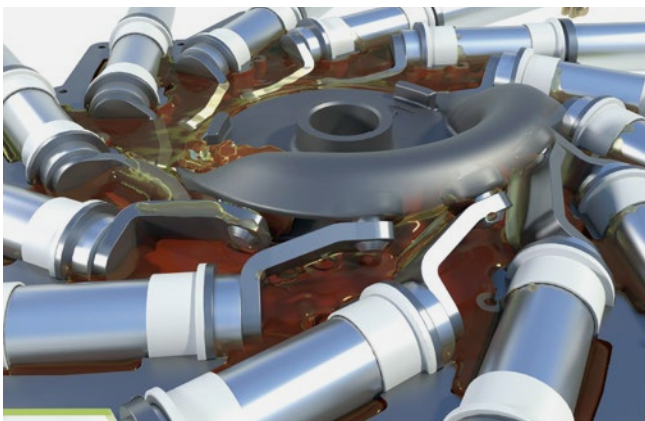
LINER logic.

Everything revolves around top forage quality.



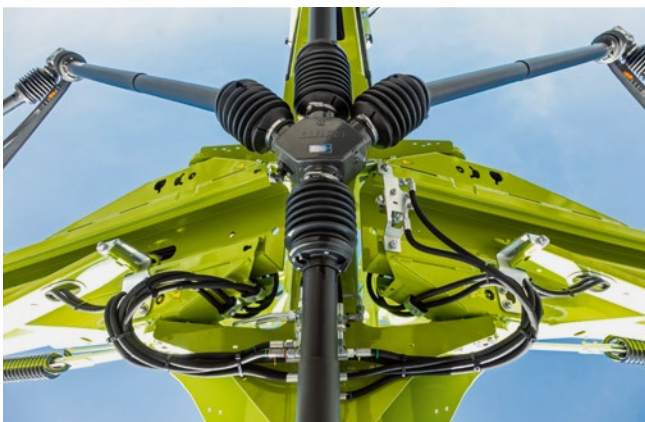
Continuously lubricated rotor drive assembly for professionals.

The rotor transmission is located in a rugged cast housing which is filled with oil and hermetically sealed. The core component of the LINER is protected from dirt ingress and thus maintenance-free. The cam roller bearings and all moving parts run smoothly in an oil bath, with virtually no friction. This provides optimum lubrication for maximum service life.



The CLAAS spheroidal graphite iron cam track.

High performance under all conditions – its spheroidal graphite iron construction gives the cam track the strength required to withstand any load. The large diameter and the gentle rise of the cam roller bearings minimize the thrust forces from the turning momentum. As a result, the tine arms operate smoothly, giving a clean raking action without material fatigue, even during periods of longterm operation use.



Drive and maintenance.

The drive train of the LINER is externally mounted and easily accessible. An auxiliary gearbox with an intelligent gear ratio for RPM reduction transfers power to the rotors. This guarantees optimal rotational speed and minimum fuel consumption. Depending on the model, an overrun function as standard and the individual rotor lock ensure maximum reliability. The LINER is an incredibly low-maintenance machine, with a 250-hour lubrication interval for the universal joints of the drive shafts, and a 50-hour interval for the tractor drive shaft.



Speedy tine arm replacement with PROFIX.

In the event of a collision, the tine arms deflect at a predefined bending point to provide optimum protection for the rotor drive assembly. The patented PROFIX fastening bracket makes it very easy to change the arms without any tools. The 20-spline shaft on the tine arms ensures a perfect fit with zero play, while arrows indicate the optimal plug-in position.



Contouring ability for high quality forage.

For excellent ground contour following, the wheels are positioned as close as possible to the circle of rotation of the rotors. The rotors additionally have a fully floating suspension with three-dimensional ground tracking. They are therefore independent of the main frame. This allows for higher working speeds and less ash.



JET effect.

During lifting, the front section of the rotor is raised first and during lowering, the rear chassis wheels touch down before the front wheels. This prevents the tines from digging into the soil and keeps the harvested crop clean.



A tidy job – thanks to silage tines.

CLAAS has been using the double-angled silage tine for over 20 years. The specially shaped 0.37 inch (9.5 mm) thick tines are bent at an angle of 10° at the end to ensure a clean pick-up – they gather up the forage gently and without contamination.

The big four.

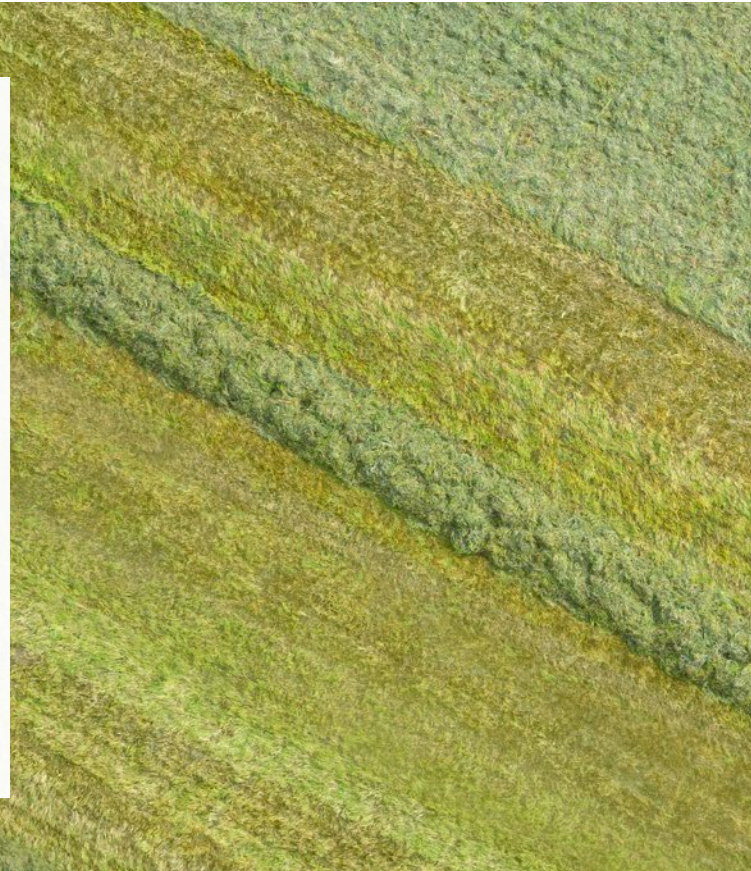
You can count on us.

Two versions. Unique build concept.

The LINER four-rotor rakes form the perfect swath for the harvesting machine following behind, whether its a baler or forage harvester – thanks to their power, performance, and reliability.

| TYPE | | LINER 4900 | LINER 4800 | LINER 4700 |
|---------------------|--------|----------------------------------|---------------------------------|---------------------------------|
| Variants | | BUSINESS | TREND / BUSINESS | TREND |
| Working width | ft (m) | 33' 1" - 49' 2" (10.1 - 15.0) | 30' 6" - 44' 7" (9.3 - 13.6) | 30' 6" - 41' 8" (9.3 - 12.7) |
| Windrow width | ft (m) | 4' 7" - 8' 2" (1.4 - 2.5) | 4' 7" - 8' 2" (1.4 - 2.5) | 4' 3" - 7' 3" (1.3 - 2.2) |
| Rotor diameter | ft (m) | 12' 5" (3.80) | 11' 5" (3.50) | 10' 9" (3.30) |
| Tine arms per rotor | | 14 | 12 | 12 |
| PROFIX | | ● | ● | ● |

● Standard ○ Optional – Not available



Quality. For clean forage and a tidy job.

We understand the importance of doing a first-rate job and producing top-quality forage. So we offer wide transport tires and an optional six-wheel version for the LINER. The large contact area makes the rakes very gentle on the soil. What's more, the CLAAS exclusive fully floating cardan suspension ensures ultra-smooth running even at higher operating speeds - enabling optimum ground-contour following for high quality forage.



Efficiency. Thanks to strong solutions.

Time is money. So we deliberately opted for a mechanical drive because it is simple, direct and efficient. The friction clutches we use provide outstanding power transmission, 'non-stop overload protection' and minimize wear. Our patented design with double telescopic function and C-profile makes it incredibly easy for you to switch rapidly between working and transport position – and the working width can be adjusted from the comfort of the cab.



Reliability. It's in our machines' DNA.

When it comes to the core component of the LINER, we naturally turned to our tried-and-tested rotor drive assembly. It runs in an oil bath for continuous lubrication to ensure maximum durability and service life. Forces are absorbed evenly thanks to the robust main frame with enormous cross-section and trapezoidal profile. The control block, electronics module and hydraulic valves are located on the inside, where they are well protected.



Comfort. Making life easier for you.

Optional LED worklights for night shifts, a storage bracket for tidy storage of all hose connections and many other well-conceived solutions will make your work easier.



CLAAS LINER:
Augmented reality.

Two rotors. Hand in hand.

Dual-rotor rakes with center delivery.

Two trusty rotors on your side. You can always rely on them in silage, hay or straw on level ground or slopes. When it comes to performance and versatility, LINER center delivery rakes are top-notch.

| TYPE | | LINER 3100 | LINER 2900 | LINER 2800 | LINER 2700 | LINER 2600 |
|---------------------|--------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------|
| Variants | | BUSINESS | TREND / BUSINESS | TREND | TREND | TREND |
| Working width | ft (m) | 28' 6" - 32' 9" (8.70 - 10.00) | 26' 3" - 29' 6" (8.00 - 9.00) | 24' 3" - 26' 10" (7.40 - 8.20) | 22' 3" - 24' 3" (6.80 - 7.40) | 20' 4" - 22' 3" (6.20 - 6.80) |
| Windrow width | ft (m) | 4' 11" - 8' 6" (1.50 - 2.60) | 4' 7" - 7' 10" (1.40 - 2.40) | 3' 11" - 7' 3" (1.20 - 2.20) | 3' 11" - 6' 7" (1.20 - 2.00) | 3' 7" - 5' 11" (1.10 - 1.80) |
| Rotor diameter | ft (m) | 13' 9" (4.20) | 12' 5" (3.80) | 11' 5" (3.50) | 10' 5" (3.20) | 9' 6" (2.90) |
| Tine arms per rotor | | 14 | 14 | 12 | 12 | 11 |
| PROFIX | | ● | ● | ● | ● | – |

● Standard ○ Optional – Not available



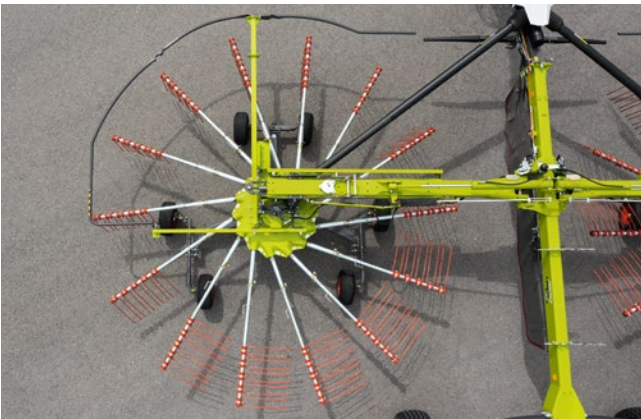
Unique windrow formation.

Its generous rotor diameter and the PROFIX tine arms, each with five double tines, ensure that nothing is left behind. The lift height can be adapted to any harvesting conditions to make sure the LINER passes effortlessly over even the largest straw swaths. The LINER swath curtains ensure accurate windrow formation.



Easy attachment and removal.

The optimized 2-point hitch makes for easy attachment and removal – as do the KENNFIXX® hydraulic couplings available for the LINER 2800 and above. When the job is done, the drive shaft can be conveniently stowed in the handy storage bracket, along with all the hoses.



Gentle on the soil.

All LINER models are equipped with CLAAS silage tines – so gentle forage handling is guaranteed. The wide tires for our LINER rakes enable it to float across your fields, and our rotor chassis is designed for maximum soil protection. The six-wheel option as well as wheel weights available for some models amplify the GRASS CARE effect even further.



Efficient drive and maintenance.

For high ease of maintenance, LINER center delivery rakes are fitted with the reliable, professional rotor drive assembly which runs in an oil bath. CLAAS relies on a mechanical drive for maximum efficiency. The friction clutches we use are particularly high on torque.

Side by side. True masters of versatility.

Dual-rotor rakes with side delivery.

The dual-rotor rakes with side discharge and three-dimensional rotor suspension guarantee meticulous raking and perfectly shaped windrows.

| TYPE | | LINER 1900 | LINER 1800 TWIN | LINER 1700 TWIN | LINER 800 TWIN | LINER 700 TWIN |
|---------------------|--------|---------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Working width | ft (m) | 26' 5" (8.05) | 24' 5" / 27' 7" (7.45 / 8.40) | 22' / 25' 9" (6.70 / 7.85) | 13' 2" - 24' 7" (4.00 - 7.50) | 11' 5" - 20' 8" (3.50 - 6.30) |
| Clearing width | ft (m) | 23' 4" (7.11) | 21' 4" / 24' 5" (6.51 / 7.44) | 19' 7" / 23' 7" (5.98 / 7.18) | 11' 6" - 20' 8" (3.50 - 6.30) | 9' 6" - 17' 4" (2.90 - 5.30) |
| Windrow width | ft (m) | 4' 7" (1.40) | 4' 7" (1.40) | 2' 11" - 4' 3" (0.90 - 1.30) | 2' 11" - 4' 11" (0.90 - 1.50) | 2' 11" - 4' 3" (0.90 - 1.30) |
| Rotor diameter | ft (m) | 12' 6" (3.80) | 11' 6" (3.50) | 10' 6" (3.20) | 11' 6" (3.50) | 9' 6" (2.90) |
| Tine arms per rotor | | 14 | 12 | 12 | 12 | 11 |
| PROFIX | | ● | ● | ● | ● | ● |

● Standard ○ Optional – Not available



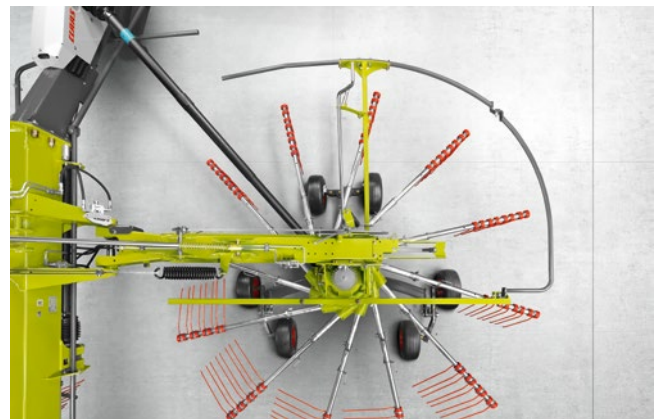
Superior raking.

The innovative rotor suspension on a robust ball coupling mount allows the rotors to oscillate laterally and longitudinally independently of the main frame. The combination of maximum oscillation travel and outstanding stability provides optimum ground-contour following, even over rough ground as the wheels are positioned as close to the tines as possible.



TWIN guarantees flexibility.

The telescopic arm in the TWIN 1800 and 1700 models even allows you to choose between single and double delivery. With the TWIN models, you can use an additional swath curtain to rake a double swath.



Unique soil protection.

Perfectly controlled rotor lift and lowering effectively prevents crop soiling – and eliminates any risk of damage to the sward. The lowering and lifting speed can also be adjusted. For optimum swath formation even at the headland, the LINER 700 TWIN has an unparalleled lift height of up to 20 inches.

Safe and low-maintenance.

The rotors are individually secured and have an external drive train for easy maintenance access. Low maintenance 250 hour lubrication interval for the universal joints of the drive shafts make the LINER even more comfortable.

Packing a punch with just one rotor.

Single-rotor rakes.

The LINER single-rotor rakes are specially developed for farmers who prefer to handle their forage harvesting independently, and who often work in smaller fields. The working widths of 12 ft 1 in (3.20 m) to 14 ft 9 in (4.80 m) are ideal for these situations. Whether with three-point hitching or as a towed model, the key features of the LINER single-rotor rakes are precise ground-contour following, high work rates, and outstanding reliability.

| TYPE | | LINER 450 T | LINER 370 T |
|---------------------|--------|---------------|---------------|
| Working width | ft (m) | 14' 9" (4.50) | 12' 1" (3.70) |
| Rotor diameter | ft (m) | 11' 6" (3.50) | 9' 6" (2.90) |
| Tine arms per rotor | | 12 | 11 |
| PROFIX | | ● | – |

● Standard ○ Optional – Not available



Precision raking.

The raking height can be adjusted via a nut on the spindle lift cylinder for precision raking. The position of the windrow guard can be set via an easy-to-operate clamping bolt.

No fuss.

Just one single-acting spool valve is required to operate the trailed single-rotor rakes. The hitch design enables raising of the rotors parallel to the ground and rotor angle is adjusted via a built-in crank handle fitted in the drawbar cylinder.



Precisely adjusted rake height.

In order to help maintain the correct raking height, particularly in hilly terrain, an additional guide wheel is optionally available. It enables the rake to glide over uneven surfaces, even under challenging conditions, to ensure the machine operates with minimal loss and delivers an outstanding crop quality.



Safe and low-maintenance.

For even greater convenience, the LINER 450 - 370 single-rotor rakes can be equipped with optional hydraulic rake height adjustment as well as safety frame.

Specifications.

| LINER | | 4900 BUSINESS ¹ | 4800 BUSINESS ¹ | 4800 TREND ¹ | 4700 TREND ¹ | 3100 TREND ¹ | 2900 BUSINESS ¹ | 2900 TREND ¹ |
|--|----------|----------------------------|----------------------------|-------------------------|-------------------------|--|----------------------------|-------------------------|
| | | Four-rotor rakes | | | | Dual-rotor rakes with center delivery | | |
| Hitch category | | Cat. III | Cat. II | Cat. II | Cat. II | Cat. II | Cat. II | Cat. II |
| Working width | ft (m) | 33.1-49.2 (10.1-15) | 30.5-44.6 (9.3-13.6) | 30.5-44.6 (9.3-13.6) | 30.5-41.7 (9.3-12.7) | 28.5-32.8 (8.7-10) | 26.9-29.5 (8.20-9) | 26.2-29.5 (8-9) |
| Swath width approx. | ft (m) | 4.6-8.2 (1.4-2.5) | 4.6-7.9 (1.4-2.4) | 4.3-7.2 (1.3-2.2) | 4.3-7.2 (1.3-2.2) | 4.9-8.5 (1.5-2.6) | 5.2-7.9 (1.6-2.4) | 4.6-7.9 (1.4-2.4) |
| Transport width with tine arms attached | ft (m) | 9.8 (3) | 9.8 (3) | 9.8 (3) | 9.8 (3) | 9.7 (2.97) | 9.7 (2.97) | 9.7 (2.97) |
| Transport height with tine arms attached | ft (m) | < 13.1 (4) | < 13.1 (4) | < 13.1 (4) | < 13.1 (4) | 14.6 (4.46) | 13.1 (4) | 13.1 (4) |
| Transport height with tine arms removed | ft (m) | — | — | — | — | 12.3 (3.75) | 12.2 (3.72) | 12.2 (3.72) |
| Parking length (transport position) | ft (m) | 33.3 (10.15) | 32.8 (10) | 32.8 (10) | 30.8 (9.4) | 22.7 (6.92) | 21.4 (6.53) | 21.4 (6.53) |
| Weight | lbs (kg) | 13,162 (5,970) | 11,905 (5,400) | 11,905 (5,400) | 11,200 (5,080) | 6,349 (2,880) | 5,445 (2,470) | 5,445 (2,470) |
| Cardan floating suspension | | ● | ● | ● | ● | ● | ● | ● |
| Rotors | | 4 | 4 | 4 | 4 | 2 | 2 | 2 |
| Rotor diameter | ft (m) | 12.5 (3.8) | 11.5 (3.5) | 11.5 (3.5) | 10.8 (3.3) | 13.8 (4.2) | 12.5 (3.8) | 12.5 (3.8) |
| Tine arms per rotor | | 14 | 12 | 12 | 12 | 14 | 14 | 14 |
| Dual tines per arm | | 4 | 4 | 4 | 4 | 5 | 4 | 4 |
| Tine diameter | in (mm) | 3/8 (9.5) | 3/8 (9.5) | 3/8 (9.5) | 3/8 (9.5) | 3/8 (9.5) | 3/8 (9.5) | 3/8 (9.5) |
| PROFIX tine arm attachment | | ● | ● | ● | ● | ● | ● | ● |
| Swath-laying position | | center | center | center | center | center | center | center |
| Four-wheel rotor chassis | | ● | ● | ● | ● | — | ● | ● |
| Six-wheel rotor chassis | | ○ | ○ | ○ | ○ | ● | ○ | ○ |

Drive line

| | | | | | | | | |
|-----------------------------------|--|-----|-----|-----|-----|-----|-----|-----|
| PTO shaft speed | | 540 | 540 | 540 | 540 | 540 | 540 | 540 |
| Single wide-angle PTO drive shaft | | ● | ● | ● | ● | ● | ● | ● |

Tires

| | | | | | | | | |
|-----------------------------|--|--------------------|--------------------|--------------------|--------------------|---------|--------------------|--------------------|
| Rotor chassis (16 x 6.50-8) | | ● 4 x 4 ○ 4 x 6 | ● 4 x 4 ○ 4 x 6 | ● 4 x 4 ○ 4 x 6 | ● 4 x 4 ○ 4 x 6 | ● 2 x 6 | ● 2 x 4 ○ 2 x 6 | ● 2 x 4 ○ 2 x 6 |
| Rotor chassis (16 x 9.50-8) | | ○ 4 x 4 ○ 4 x 6 | ○ 4 x 4 ○ 4 x 6 | ○ 4 x 4 ○ 4 x 6 | — | — | — | — |
| 260/75-15.3 | | — | — | — | — | — | — | — |
| 300/80-15.3 | | — | — | — | — | — | — | ● |
| 340/55-16 | | — | — | — | — | — | — | — |
| 380/55-17 | | — | — | — | — | ● | ● | ○ |
| 600/50-R 22.5 | | ● | ● | ● | ● | ● | — | — |
| 710/45-R 22.5 | | ○ | ○ | ○ | ○ | ○ | — | — |

Convenience

| | | | | | | | | |
|-----------------------------------|--|-----------------------------------|---|-----------------|---|---|-----------------|---|
| Spare wheel | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Wheel weights | | — | — | — | — | ● | ○ | ○ |
| Mudcurtain | | — | — | — | — | ○ | ○ | ○ |
| Individual rotor lift | | ● | ● | ○ | ○ | ○ | ● | ○ |
| Hydraulic rotor height adjustment | | ○ | ○ | — | — | ○ | ○ | ○ |
| Hydraulic swath curtain folding | | ○ | ○ | ○ | ○ | ○ | ● | ○ |
| Illuminated warning sign | | ● | ● | ● | ● | ● | ● | ● |
| LED work lights | | ○ | ○ | — | — | — | — | — |
| Hydraulic spool valves | | LS (or 1 x sa + open return line) | | 1 x sa + 2 x da | | 1 x sa + 1 x da (+1 x da ⁵) | 1 x sa + 1 x da | 1 x sa + 1 x da (+1 x da ⁵) |

● Standard ○ Optional — Not available

¹ Equipment options

² TWIN function for dual swath laying with optional additional swath curtain

³ With swath curtain

⁴ Main frame tires 340/55-16

⁵ Hydraulic rotor height adjustment

⁶ Hydraulic swath curtain folding

| LINER | | 2800 TREND ¹ | 2700 TREND ¹ | 2600 TREND ¹ | 1900 | 1800 TWIN ² | 1700 TWIN ² |
|--|----------|--|-------------------------|-------------------------|--|-------------------------|------------------------|
| | | Dual-rotor rakes with center delivery | | | Dual-rotor rakes with side delivery and independent chassis | | |
| Hitch category | | Cat. II | Cat. II | Cat. II | Cat. II | Cat. II | Cat. II |
| Working width | ft (m) | 24.3-26.9 (7.4-8.2) | 22.3-24.3 (6.8-7.4) | 20.3-22.3 (6.2-6.8) | 26.4 (8.05) | 24.4-27.6 (7.45-8.4) | 22-25.8 (6.7-7.85) |
| Swath width approx. | ft (m) | 3.9-7.2 (1.2-2.2) | 3.9-6.6 (1.2-2) | 3.6-5.9 (1.1-1.8) | 3-4.6 (0.9-1.4) | 3-4.3 (0.9-1.3) | 4.6-7.9 (1.4-2.4) |
| Transport width with tine arms attached | ft (m) | 9.7 (2.97) | 9.7 (2.97) | 8.4 (2.55) | 9.8 (2.99) | 9.8 (2.99) | 9.5 (2.89) |
| Transport height with tine arms attached | ft (m) | 13.1 (4) | 13.1 (4) | 12.9 (3.94) | 13.1 (4) | 13.1 (4) | 13.1 (4) |
| Transport height with tine arms removed | ft (m) | 11.4 (3.47) | 11.1 (3.38) | 10.4 (3.18) | 12.1 (3.69) | 11.6 (3.54) | 12 (3.67) |
| Parking length (transport position) | ft (m) | 21.4 (6.53) | 19.3 (5.87) | 19.3 (5.87) | 31.6 (9.64) | 30.2 (9.19) | 28.4 (8.66) |
| Weight | lbs (kg) | 4,894 (2,220) | 4,079 (1,850) | 3,594 (1,630) | 5,710 (2,590) | 5,467 (2,480) | 4,894 (2,220) |
| Cardan floating suspension | | ● | ● | ● | ● | ● | ● |
| Rotors | | 2 | 2 | 2 | 2 | 2 | 2 |
| Rotor diameter | ft (m) | 11.5 (3.5) | 10.5 (3.2) | 9.5 (2.9) | 12.5 (3.8) | 11.5 (3.5) | 10.5 (3.2) |
| Tine arms per rotor | | 12 | 12 | 11 | 14 | 12 | 12 |
| Dual tines per arm | | 4 | 4 | 4 | 4 | 4 | 4 |
| Tine diameter | in (mm) | 3/8 (9.5) | 3/8 (9.5) | 3/8 (9.5) | 3/8 (9.5) | 3/8 (9.5) | 3/8 (9.5) |
| PROFIX tine arm attachment | | ● | ● | – | ● | ● | ● |
| Swath-laying position | | center | center | center | left | left | left |
| Four-wheel rotor chassis | | ● | ● | ● | ● | ● | ● |
| Six-wheel rotor chassis | | ○ | ○ | – | ○ | ○ | ○ |

Drive line

| | | | | | | | |
|-----------------------------------|--|-----|-----|-----|-----|-----|-----|
| PTO shaft speed | | 540 | 540 | 540 | 540 | 540 | 540 |
| Single wide-angle PTO drive shaft | | ● | ● | ● | ● | ● | ● |

Tires

| | | | | | | | |
|-----------------------------|--|--------------------|--------------------|---------|--------------------|--------------------|--------------------|
| Rotor chassis (16 x 6.50-8) | | ● 2 x 4 ○ 2 x 6 | ● 2 x 4 ○ 2 x 6 | ● 2 x 4 | ● 2 x 4 ○ 2 x 6 | ● 2 x 4 ○ 2 x 6 | ● 2 x 4 ○ 2 x 6 |
| Rotor chassis (16 x 9.50-8) | | – | – | – | – | – | – |
| 260/75-15.3 | | – | ● | ● | – | – | ● |
| 300/80-15.3 | | ● | – | – | – | – | – |
| 340/55-16 | | – | ○ | ○ | – | – | ○ |
| 380/55-17 | | ○ | – | – | ● | ● | – |
| 600/50-R 22.5 | | – | – | – | – | – | – |
| 710/45-R 22.5 | | – | – | – | – | – | – |

Convenience

| | | | | | | | |
|-----------------------------------|--|---|--------------------------------|---|--|---|---|
| Spare wheel | | ○ | ○ | ○ | ○ | ○ | ○ |
| Wheel weights | | ○ | ○ | ○ | ○ | ○ | ○ |
| Mudcurtain | | ○ | ○ | ○ | – | – | – |
| Individual rotor lift | | ○ | ○ | ○ | – | – | – |
| Hydraulic rotor height adjustment | | ○ | ○ | ○ | ○ | ○ | ○ |
| Hydraulic swath curtain folding | | ○ | – | – | ○ | ○ | ○ |
| Illuminated warning sign | | ● | ● | ● | ● | ● | ● |
| LED work lights | | – | – | – | – | – | – |
| Hydraulic spool valves | | 1 x sa + 1 x da (+1 x da ⁵) | 1 x sa (+1 x da ⁵) | – | 1 x sa +1 x da (+1 x sa ⁶) | – | – |

Specifications.

| LINER | | 800 TWIN ² | 700 TWIN ² | 450 T | 370 T |
|---|------------|---|-----------------------|---------------------------------------|-----------------------------|
| | | Dual-rotor swathers with side swathing without chassis | | Single-rotor rakes¹ | |
| Attachment | | Swinging drawbar/hitch | | Swinging draw- bar/hitch | 3-point/ swivelling head |
| Hitch category | | – | – | – | Cat. I + II |
| Working width | ft (m) | 13.1-24.6 (4-7.5) | 11.5-20.7 (3.5-6.3) | 14.8 (4.5) | 12.1 (3.7) |
| Transport width with tine arms attached | ft (m) | 11.8 (3.6) | 9.8 (3) | 11.5 (3.5) ³ | 9.8 (3) ³ |
| Transport width with tine arms removed | ft (m) | 7.9 (2.4) | 7.9 (2.4) | 7.2 (2.2) | 7.2 (2.2) |
| Transport height with tine arms removed | ft (m) | – | – | 8.2 (2.5) | 7.2 (2.2) |
| Parking length (transport position) | ft (m) | 28.2 (8.6) | 26.2 (8) | 17.4 (5.3) | 8.5 (2.6) |
| Weight | lbs (kg) | 3,571(1,620) | 3,175 (1,440) | 1,455 (660) | 992 (450) |
| Cardan floating suspension | | ● ⁴ | ● ⁴ | – | – |
| Rotors | | 2 | 2 | 1 | 1 |
| Rotor diameter | ft (m) | 11.5 (3.5) | 9.5 (2.9) | 11.5 (3.5) | 9.5 (2.9) |
| Tine arms per rotor | | 12 | 11 | 12 | 11 |
| Dual tines per arm | | 4 | 4 | 4 | 4 |
| Tine diameter | in (mm) | 3/8 (9.5) | 3/8 (9.5) | 11/32 (9) | 11/32 (9) |
| PROFIX tine arm attachment | | ● | ● | ● | – |
| Swath-laying position | | left | left | left | left |
| Two-wheel rotor chassis | | – | – | – | ● |
| Four-wheel rotor chassis | | ● | ● | ● | ○ |
| Six-wheel rotor chassis | | – | – | – | – |

Drive line

| | | | | | |
|-----------------------------------|-----|-----|-----|-----|-----|
| PTO shaft speed | rpm | 540 | 540 | 540 | 540 |
| Single wide-angle PTO drive shaft | | ● | ● | ● | – |

Tires

| | | | | | |
|-----------------------------------|--|-------|-------|---|---|
| Rotor chassis (16 x 6.50-8 10 PR) | | – | – | – | 2 |
| Rotor chassis (18 x 8.50-8 6 PR) | | 2 x 4 | 2 x 4 | 4 | – |

V

Convenience

| | | | | | |
|-----------------------------------|--|--------|--------|--------|---|
| Spare wheel | | ○ | ○ | – | – |
| Double wide-angle PTO drive shaft | | ○ | ○ | – | – |
| Guide wheel | | ○ | ○ | ○ | ○ |
| Hydraulic swath curtain folding | | ○ | ○ | ○ | – |
| Hydraulic rotor height adjustment | | ○ | – | – | – |
| Warning sign | | – | – | ○ | ○ |
| Illuminated warning sign | | ● | ● | ○ | ○ |
| Parallelogram drawbar | | ● | ○ | ○ | – |
| Hydraulic spool valves | | 1 x sa | 1 x sa | 1 x sa | – |

● Standard ○ Optional – Not available

¹ With swath curtain

² TWIN function for dual swath laying with optional additional swath curtain

³ Swath curtain and safety frame folded

⁴ Rear only

⁵ Hydraulic swath curtain folding

⁶ Hydraulic swath curtain adjustment

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