Loader Wagons
Harvesting clean forage for more than 40 years

All components receive a high-quality powder-coat finish for effective protection from corrosion and damage.
In the early days, our forage wagons were still red. In the early sixties, they were a common sight in Germany’s forage growing regions. When FAHR began manufacturing forage wagons more than 40 years ago, our wagons were regarded as pioneers for cutting the time required for harvesting forage on a daily basis to nearly one tenth. Since that time, we have manufactured and exported more than 100,000 forage wagons to global markets. Many of these units are still out there working day in day out – giving testimony to what we mean when we speak of quality and dependability.

We listen
Our designers have developed countless innovative features together with our customers. This interaction and cooperation has led to forage wagons that offer good value for money plus plenty of practical features.

Modern manufacturing
It goes without saying that our forage wagons are manufactured in modern production processes, where panels are cut to precision by semi-automated processes. Yet, despite high automation levels, all components are manufactured and assembled by small teams. After all, it is the commitment of our highly motivated staff and workforce that guarantees high-performance machinery for professional farmers. These machines are made for the single purpose of helping farmers and contractors save time and costs and provide clean forage for viable livestock farming.

Advantages
- More than 40 years of experience in the design and manufacture of forage wagons
- Full range of forage wagons offers eight models and capacities from 22m³ to 44m³ to suit any size of farming operation
- All models benefit from functional specifications and useful options to customize the machine to requirement
- High-quality build
- High resale value
Clean gathering

A robust driveline and standard gauge wheels ensure effective and gentle crop collection.
Full-width quality – powerful pick-up unit
The pick-up boasts five rows of tines, which are spaced at a narrow 56mm and which gently and cleanly pick up the crop from a width of up to 1.85m. The roller crop guard (standard feature from K 7.30) ensures a smooth transfer of the material to the feeder unit. Oversized pneumatic 15" gauge wheels provide positive but gentle guidance to the tines on the torsionable and spring-loaded pick-up unit. Adjusted to an accurate height, the gauge wheels provide clean gathering without losses. The flexible double-spring tines are bolted to strong section tubes – a design that protects the tines from damage and effectively cuts out crop contamination.

RotoControl feeder unit
The Vicon RotoControl feeder unit pulls in the material with ease, providing maximum throughputs and crop protection. Four arm-controlled swing arms feed the material through the cutting system (6 optional feeder arms on all models from K 7.36). The double-finger tines ensure positive crop feed and exceptionally light and precise cuts. The cuts are gentle in fresh daily forage or precise and short in silage. Up to 33 knives chop the crop at uniform 40mm lengths.

Blockages may be an occasional issue when the material is gathered from big swaths. No problem for the feeder unit, which lowers hydraulically for convenient and swift removal of blockages from the tractor cab. No need to leave the tractor. No time lost.

Quality of cut – just as you want it
The cutting system on Vicon forage wagons cuts the crop to a nominal 40mm for superior quality. Fully lowered, the unit gives convenient access to all knives for regrinding in mounted position or easy removal as required.

Superior quality – gentle treatment of silage, hay and forage
Gentle treatment of hay, forage and wilted grass is one major plus for maintaining top-quality forage. Minimizing losses and fragmentation as well as maintaining a healthy crop structure are key aspects for viable livestock farming.

Advantages
- The 1.85m pick-up unit collects the crop as cleanly as a rake
- Standard pneumatic 15" gauge wheels provide effective and gentle control even on rolling land
- Robust pick-up driveline for absolutely dependable operation
- A standard roller crop guard on all models from K 7.30 guarantees a smooth flow of crop
- The RotoControl feeder unit ensures maximised throughputs
- The cutting system features 33 knives that are individually impact protected and give 40mm cuts

The roller crop guard is standard specification on all models from K7.30.

The RotoControl feed arms translate into clean crop feed and high throughput.

Service made easy - all grease points are grouped in a bank.

The RotoControl feeder tines ensure an optimum crop collection from any type of swath.

The entire cutting system lowers for quick knife replacement.
Heavy-duty design

A heavy-duty hydromotor drives the chain-and-slat conveyor to empty the wagon within a few seconds.

Comfort-ride chassis and wide flotation tires provide ultimate turf protection.
Rigid and robust
The chassis and stanchions on the all-steel superstructure are made from U-channel steel to operate in the most difficult conditions. Hoops were added to eliminate any risk of torsion on the fully loaded wagon. High-quality steels and a hard-wearing powder-coat finish translate into durable quality requiring minimum maintenance. The bodies feature useful details to suit specific applications. The tailboard, for example, offers hydraulic control and fill-level indicators help fill the wagon to full capacity.

Stability in silage making
The Vicon forage wagons have proven their worth in heavy silage making, too, thanks to smooth interior walls, sturdy headboards and tightly shutting tailboards that prevent the loss of chopped material. The upgraded headboard prevents the wagon from bouncing and feeding the material gently to the rear of the machine. The all-steel body with special-design sides (access door is standard on FE7.42) and massive stanchions distributes the stress evenly across the U-channel steel frame.

Stability on the clamp and on the road
Boasting track widths of up to 1.80m and running on 500” tyres and spring-loaded pivoting tandem axles that ensure uniform weight distribution on all four wheels at all times, these wagons tick all boxes for chassis stability and ride comfort. Stability is essential to protect the turf, particularly in wet conditions, and ensures safe travel on the road. Designed to travel at maximum speed and equipped with air braking and automatic brake power control, these are machines of choice for contractors and mid-sized livestock farmers.

Higher ground clearance
The articulated drawbar (standard on K 7.39, K 7.44 and FE 7.42) provides a generous pick-up ground clearance of up to 60cm to make climbing the clamp a safe and easy task. The operator can conveniently optimise drawbar position during unloading from the PilotBox.

Controlled unloading
Two massive discharge rollers are standard on the FE 7.42 for unloading the material and spreading it in a highly uniform and flat mat. The driveline comprises a side-mounted shaft, a smooth-operation gearbox and heavy-duty chains that provide positive drive to the wear-free rotors for enhanced material distribution and tight pack, leading to higher-quality silage as well as to time and cost savings.

Advantages
- Strong all-steel sides, U-channel steel frame and stanchions
- Sides with smooth interior surfaces for smooth crop advance and swift unloading
- The FE 7.42 model features a standard access door.
- Hydraulic articulated drawbar provides generous ground clearance on all models
- Strong and sturdy chassis and wide tires. Single axle or spring-loaded tandem axle depending on model.
- All forage wagons are available as maximum speed options
High capacity for small farms  
TL 22 - TL 28

Small and mid-sized sideline farmers – in particular hill farmers – will welcome the low-build TL 22 and TL 28 models.

The tailboard features standard hydraulic operation.
Hydraulic extension control is an option. The efficient arm-controlled feeder unit with forged double-finger tines.

Stability on the slope
The low profile and low centre of gravity guarantee absolutely stable and safe operation on slopes, under trees and in low buildings. Road transport is not an issue either for these compact yet high-capacity machines, which are rated to maximum speeds of 40km/h.

Clean pick-up
The arm-controlled feeder unit with forged double tines manages enormous masses of material and the standard lift-out limit switch is gentle both on man and machine during headland turns.

The standard 4-knife cutting system cuts the crop to suitable lengths that are easy to digest. Applications that require shorter cuts are catered for by the optional 16-knife system giving gentle yet precise silage cuts.

Hydraulic tailboard
The hydraulic tailgate offers swift emptying and convenient operation from the tractor. Once the material is unloaded, gate closing is sensor controlled.

Optimum loading and unloading
As the material enters the machine, it is transferred fast and effectively to the rear by the hydraulic chain-and-slat conveyor for full utilisation of its capacity. The slat-and-chain conveyor may also be operated from a control at the rear of the machine in addition to the cab based control. Besides, there is variable control of loading/unloading speeds.

Advantages
- Low build for hilly terrain
- 28.0m³ maximum capacity (at average density)
- Maximum 2.70m overall height; 2.00m with extensions folded
- Standard hydraulic brake system; optional air brake
- Large 15/55-17 tyres
- Easy control from PilotBox-T, which allows operating TL 22 and TL 28 from tractors with only minimum hydraulic specification
- Optional arable tyres
Clean forage
K 7.30 - K 7.36 EA - K 7.36 TA

Extensions feature mechanical and stepped folding.
Superior road performance
The 40km/h version features a stronger drawbar, stronger axles, a brake system and heavy-duty tyres for swift road speeds. 19” and 500” tyres are available as optional extras.

When it gets tight for space
The hay extensions fold down and into the steel body to pass through low gates, reducing the total height of the single-axle K 7.30 und K 7.36 models to 2.0m. A hydraulic fold system is available as an option.

The comfort tailboard
Two sensor controlled hydraulic rams open and close the tailboard automatically. The standard filling level indicator ensures the machine is filled to full capacity.

Easy control from PilotBox-T
All hydraulic functions – body, tailboard, chain-and-slat conveyor, pick-up and cutting system – can be preselected on the PilotBox-T control unit and operated via the tractor spool – a simple and cost-effective solution that eliminates the need for a separate hydraulic system on the forage wagon.

The hydraulic chain-and-slat conveyor is controlled infinitely variably from the PilotBox-T unit as well as from an external control at the rear of the wagon.

Advantages
- Capacities of 30-36m³
- Quiet-running and spring-loaded tandem axle on K 7.36 TA
- Low 2.32m build thanks to foldable hay extensions
- Extensions feature mechanical and stepped folding
- Hydraulic extension folding is an option
- Standard roller crop guard
- Optional air brake
Efficient and high-capacity
K 7.39 - K 7.44
K 7.50 - FE 7.42

Vicon forage wagons stand out for quiet-running and an extraordinary appetite.

Tandem axles with standard spring suspension and wide tyres.
The all-round machine

K 7.39 is the multi-purpose machine in the range and its full-steel body and hay extensions cater for demanding applications. The sensor controlled and hydraulic tailboard opens and shuts tight enough for the finest chopped material. The standard filling level indicator ensures the wagon is conveniently filled to capacity.

Built-in protection

Each knife in the cutter system is individually protected from impact with foreign objects and stones. The heavy spring-loaded knife breaks back from impact and returns to its cutting position without suffering any damage at all.

Capacity for professional harvesting

RotoControl – six feeder arms (option on K 7.39) for maximum throughput. Vicon combines proven forage wagon technology with an arm-controlled feeder unit to create a high-performance machine that meets the highest demands. Double-finger tines guarantee high throughputs and longevity of the entire system.

PilotBox-C – comfort control system

PilotBox-C is standard specification on K 7.44 and FE 7.42. The control box offers convenient operation of pick-up, feed and cutting system, tailboard and chain-and-slat conveyor.

Sensors and warning lights guarantee trouble free operation. The electrohydraulic system requires merely one double-acting spool or alternatively one single-acting spool valve with a return line.

Advantages

- 39-44m³ capacities
- Quiet-running and spring-loaded tandem axle with optional flotation tires
- Low 3.70m build
- Standard roller crop guard
- Air brake is an option on K 7.39 and standard on K 7.44 and FE 7.42
- Hydraulic articulated drawbar is standard on K 7.39, K 7.44 and FE 7.42
Options

Hydraulic artic drawbar is available for all TL 22 - K K 7.36 models. High ground clearance of up to 600mm provides for stability on ramps and clamps.

Hydraulic hay extensions for all TL 22 - K 7.36 TA models. Convenient adaptation of load height from tractor cab.

1.85m wide pick-up unit for clean gathering from wide swaths. Standard roller crop guard (option on TL 22 / TL 28).

Cutting system – 16-knife and 17-knife silage system.

Choice of tyres (15 / 55-17, 380 / 55-17, 19 / 45-17, 500 / 50-17 arable tyres).

Arm-controlled pick-up unit with 3, 4 or 6 feeder arms.
Technical Specifications

<table>
<thead>
<tr>
<th>Models</th>
<th>TL 22</th>
<th>TL 28</th>
<th>K 7.30</th>
<th>K 7.36</th>
<th>K 7.39</th>
<th>FE 7.42</th>
<th>K 7.44</th>
<th>K 7.50</th>
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<tbody>
<tr>
<td><strong>Dimensions and weights</strong></td>
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<td>GVWR (kgs)</td>
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<td>6000</td>
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<td>12000</td>
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<td>8000</td>
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<tr>
<td>TA 8000</td>
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<td>Platform height (m)</td>
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<td>Capacity at average density (cbm)</td>
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<td>30</td>
<td>36</td>
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<td>Capacities to DIN 11741 (cbm)</td>
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<td>17.5</td>
<td>19.0</td>
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<td>25.4</td>
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<td>2730</td>
<td>3100/3700</td>
<td>4100</td>
<td>5000</td>
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</tbody>
</table>

**RotoControl double-finger feeder**

Pick-up work widths (option),

hydr. lift-out baffle plate,

5 rows of tines, pneum. gauge wheels (m) | 1.65  | 1.65  | 1.65   | 1.65 (1.85) | 1.65 (1.85) | 1.85     | 1.85   | 1.85   |

Roller crop guard | o     | o     | o      | -      | -      | -        | -      | -      |

No. of grease points on lubrication bank | 10/13 | 10/13 | 13     | 13/13(19) | 13/19   | 19       | 19     | 13/19  |

No. of feeder arms | 3(4)  | 3(4)  | 4      | 4/4(6)  | 4(6)    | 6        | 6      | 4(6)   |

No. of knives (option) | 4(16) | 4(16) | (16/17/33) | (16/17/33) | (16/17/33) | (16/17/33) | (16/17/33) | 8     |

**Drives / body / axles**

PilotBox model | T   | T   | T   | T   | T   | C     | C   | T   |

**Hay extensions**

mechanical folding | stepped      | stepped      | stepped      | stepped      | stepped      | -    | -    | stepped      |

hydraulic folding | o     | o     | o     | o     | o     | -    | -    | -    |

Hydraulic couplers | 1 da + 1 sa | 1 da + 1 sa | 1 da + 1 sa | 1 da + 1 sa | 1 da + 1 sa | 1 da | 1 da | 1 da + 1 sa |

Alternatives | 2 da+Return | 2 da+Return | 2 sa+Return | 2 da+Return | 2 da+Return | 1 sa+Return | 1 sa+Return | 2 da+Return |

**Attachment / driveshaft**

Universal drawbar | •     | •     | •     | •     | •     | -    | -    | •     |

Articulated drawbar, hydr. stop | o     | o     | o     | o     | o     | -    | -    | o     |

Wide-angle driveshaft, | -    | -    | -    | -    | -    | -    | -    | -    |

to one side (slip clutch) | •     | •     | •     | -    | -    | -    | -    | o     |

to either side, cam clutch | o     | o     | o     | •     | •     | •    | •    | •     |

**Axeles**

Single axle / track width (m) | •/1.90 | •/1.90 | •/1.65 | •/1.65 | -      | -    | -    | -    |

Suspended tandem axle / track width (m) | -     | -     | -     | -     | o/1.70 | •/1.70 | •/1.80 | •/1.80 |

**Brakes**

Hydraulic brake, 25 / 40 km/h | •/o   | •/o   | o/o   | o/o   | o/o   | o/o   | •/o   | •/o   |

Ruckmatic overrun brake, 25 / 40 km/h | -/-   | -/-   | -/-   | -/-   | -/-   | -/-   | -/-   | -/-   |

Air brake, 25 / 40 km/h | o/o   | o/o   | o/o   | o/o   | o/o   | o/o   | ALB o/o | ALB o/o |

**Tyres**

15.0 / 55 - 17 Impl. 10 PR | •     | -    | -    | -    | -    | -    | -    | -    |

15.0 / 55 - 17 Impl. AS tread | o     | o     | o     | -    | -    | -    | -    | -    |

380 / 55 - 17 Flotation + | o     | o     | o     | o     | o     | o     | -    | -    |

19.0 / 45 - 17 Impl. 10 PR | -     | o     | o     | o     | •     | -    | -    | •     |

500 / 50 - 17 Impl. 14 PR | -     | o     | o     | o     | o     | o     | •     | o     |

EA = Single axle  TA = Tandem axle  • = standard  o = option  - = not available

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Kverneland Group

Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services.

Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package of systems and solutions to the professional farming community. The offering covers soil preparation, seeding, forage- and bale equipment, spreading and spraying.

Extensive Product Range

Vicon offers an extensive range of farm implements: mower conditioners, drum and disc mowers, tedders, rakes, fixed and variable chamber round balers, big square balers, bale wrappers, fertiliser spreaders, maize choppers, sprayers, soil cultivation and seeding systems.

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