

For Earth, For Life
Kubota

RA

KUBOTA
RA SERIES



**Fresh
thinking is
the answer
to today's
challenges.**



The challenges facing the agricultural sector are becoming increasingly bigger. And when times are tough, only one thing helps: a new way of thinking. Envisaging alternative options and making smart decisions. For your next tractor purchase, this means opting for efficiency instead of image. For a tractor that can do tough work with top performance whilst under constant strain. And all that at a reasonable price. A Kubota tractor is exactly the right alternative at times like these.





#Highlights

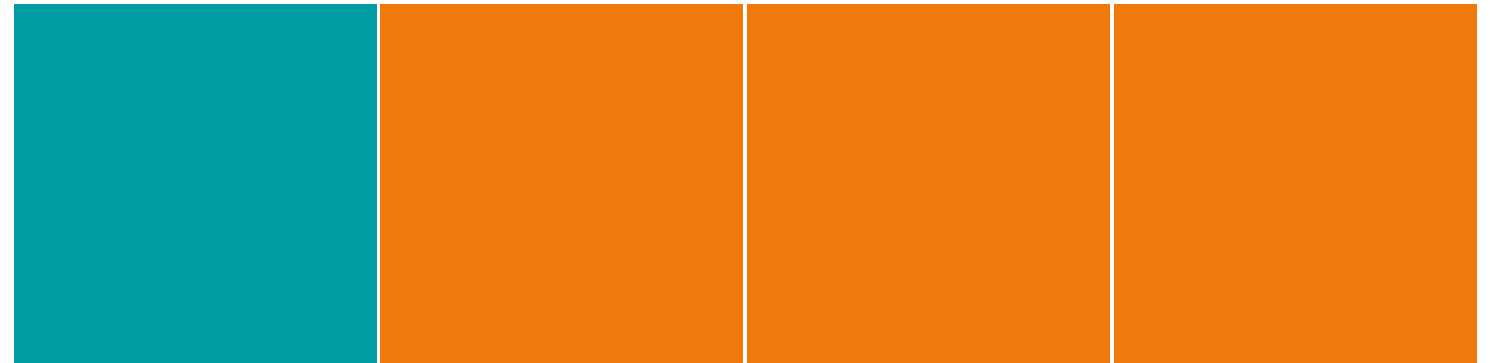
RA1035-1043: Made to perform – day in, day out

Correctly adjusting and customising the rake to the exact conditions facing you today is what adds the extra quality to your forage, ensuring that dirt stays out of the swath, yet leaving no crop behind. Setting the rotor height, adjusting the swath width and fine tuning the cam track (ProLine) is done easily and intuitively on all Kubota rakes, taking the hassle out of the daily work optimisation.



RA1000 series

For smaller raking operations, Kubota offers several **CompactLine** models designed for use on lower horsepower tractors. With the pivoting three point linkage machines and also two trailed versions, there is a model to suit any need.





Consistently on track for success: durability exemplified

Reliable and solid technology which is helping you to do more!

Maintenance-free operation

- Steplessly adjustable cam track for easy adaptation to different amounts and sorts of crop.
- Injection moulded aluminium tine arm support housings provide strength and reduced weight.
- All tine arms, including housing, can be removed individually by just removing 3 bolts.
- Oil-immersed crown wheel and pinion reduces wear to a minimum.
- Pinion gear with two bearings separate from the main driveline, keeps pinion and crown wheel securely in place.
- Flat 400mm cast iron cam track with optimised shape, for smooth tine arm control and reduced running speed.
- Unique 4-point ball bearing on crown wheel ensures efficient power transfer to the tine arms.
- Guide rollers with hardened surface minimise wear on cam track and cam follower.
- Heavy duty ball bearings with large distance for excellent support of tine arm shafts.





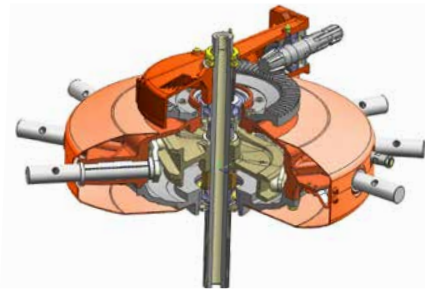
CompactLine

The Kubota CompactLine rakes feature oil-immersed cam discs and guide rollers. Also, the tine arm bearings are fully lubricated, and hence absolutely maintenance-free.

High-tensile tine arm holders and two bearings on either side of the driveshaft, provide the compact unit with strength and dependability.

Kubota-developed cam tracks are specifically tailored to individual rotor diameters, for optimum raking at any working width and on any model.

All CompactLine rakes are fitted with curved tine arms, to ensure a regular and even swath formation. Additionally the curved shape prevents material from being pushed in the direction of the rotor and allows a higher lifting out of the swath.



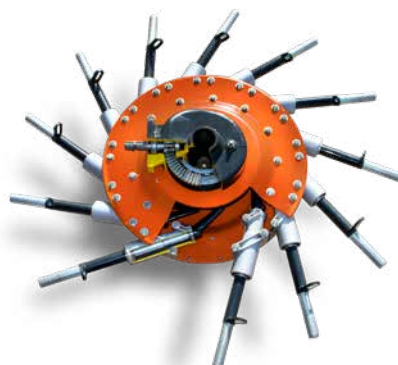
Maintenance-friendly CompactLine rotor head within a fully enclosed housing.

ProLine

The Kubota ProLine rakes feature a unique drive system, which comprises oil-immersed pinion and crown wheels. The fully enclosed design ensures full and permanent lubrication, and makes the entire system absolutely maintenance-free.

Our extensive experience guarantees well-proven technology of the highest standard. The hardened cam track is adjustable and with an extremely large 400mm diameter, giving positive guidance to the steel rotors and quiet machine running.

The optimised shape of the curve disc allows the tine arms to lift higher, leaving a more uniform swath formation which ensures a faster drying process. Aluminium bearing housings, with two integral ball bearings and wide support, provide solid and maintenance-free tine arm mounting. Additionally all tine arms including housing are removed by simply removing 3 bolts. Fast and easy!



Maintenance-free ProLine rotor – fully enclosed and permanently lubricated rotor gear.



Excellent ground following

Kubota rotary rakes are designed to produce well-shaped and clean swaths, achieved by precision in every part of the raking. The ground contour following ability is important to avoid dirt in the swath - especially in uneven field conditions.



TerraLink Quattro

The TerraLink system consists of two parts. First the lifting arm and second the undercarrier. The arm is slotted on the downside. This, together with special steel quality, makes it possible for the frame to flex without breaking.

The undercarrier, with a minimum of 4 (Quattro) wheels, guides the rotor perfectly over the ground. TerraLink is a simple system without a complicated and maintenance-intensive cardanic system.

Thanks to the pre-pressure on the front tires during work, the running characteristics is very smooth, also in very uneven conditions.

TerraLink offers 4-fold advantages:

The TerraLink system offers clear advantages over pivoting linkage systems:

- Maintenance-free system - no pivots or joints to wear out.
- Automatic rotor suspension, ensuring smooth operation.
- Built-in pressure bias on front wheels prevents lifting and tine bounce.
- Optimum ground following for clean raking at high forward speeds.

All wheels are positioned close to the tines.



The rotors are fully flexible in all directions, which means the tines have an exceptional ground following ability....



Did you know?

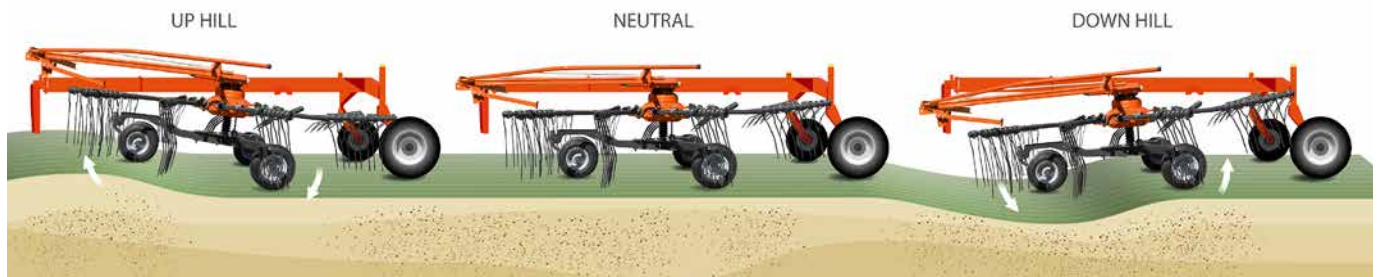
Did you know that Kubota produces its own engines and that Kubota is the global market leader for industrial diesel engines under 100 hp? You might be surprised to learn under which bonnets Kubota engines are at work. Top quality and efficiency are the main ingredients of this success.

Adaptation in 3 dimensions

These high performance rakes are fitted with the TerraLink Quattro wheel system for superb ground contour following. The TerraLink Quattro system controls the rotor in 3 dimensions, with a unique combination of an undercarriage with 4 wheels and a specially designed rotor suspension system. This ensures superb raking performance, even at higher forward speeds.



TerraLink Quattro is a maintenance-free system - no pivots or joints to wear out.



... ensuring a clean raking result without dirt in the crop.



#RA1035-1043

The compact range: machines for smaller tractors

For smaller raking operations, Kubota offers several models designed for use on lower horsepower tractors, whilst delivering similar raking performance compared to its' higher specification machines. With the pivoting three point linkage machines and also two trailed versions, there is a model to suit any need, from lowland farmers, to the users working on steep hillsides.

Kubota 'Compact' rotor head

The rotor head is grease lubricated. Within a fully enclosed housing, the maintenance-free cam track and cam followers are running permanently lubricated in an oilbath. The rotor shaft and pinion shaft are all mounted on two bearings for maximum strength and long service life.

Curved tine arms

All Kubota CompactLine rakes feature cranked tine arms for significantly cleaner raking performance and optimised swath formation. This design ensures that the row of tines on each tine bar has a more effective approach angle to the oncoming crop, and also gives a cleaner lift out of the tine from the formed swath.



All rakes can be set for reduced transport and storage width by removing the tine arms and placing them on the carrier frame.



A pivoting 3-pt headstock ensures perfect ground following performance, and perfect tracking when cornering. Oscillation dampers are optionally available.



As an option these rakes can be supplied with a third wheel, to ensure even better flotation.



The trailed machines can conveniently be raised up to a height of 50cm from the tractor driver's seat.



RA1035 – compact entry-level 3.50m rake with a weight of only 420kg.



RA1043 – 4.30m working width with a weight of 490kg.

Technical data

Model		RA1035	RA1043
CompactLine		●	●
ProLine		-	-
Dimensions & weight			
Working width	(m)	3.50	4.30
Transport width	(m)	1.75	2.10
Transport length	(m)	3.35	3.85
Parking height	(m)	1.70	2.00
Weight	(kg)	420	480
Swath width appr.	(m)		
Capacity theo.	(ha/h)	3.9	4.7
Hitching system			
Pivoting 3-pt headstock	(CAT)	1/2	1/2
Lower links (2-pt.)		-	-
Linkage drawbar		-	-
Gauge wheel 16°		○	○
Rotors/Tine arms/Tines			
Rotor diameter	(m)	2.80	3.35
Swath delivery		left	left
Number of rotors		1	1
Number of arms per rotor		10	12
Number of double tines/arm		4	4
Tine diameter	(mm)	9	9
Continuous cam track		-	-
Detachable tine arms		●	●
Height adjustment		mech.	mech.
Wheels and axles			
Tyre (rotors)		16x6.50-6	16x6.50-6
Fixed tandem axle		○	○
Pivoting tandem axle		-	-
Stand. tyres (carrying frame)		-	-
Opt. tyres (carrying frame)		-	-
Optional equipment			
Carrier arm compensating		○	○
Locking catch for slopes		○	○
Safety accessories			
Warning panels		○	○
Road lights		○	○

○ option ● standard

* = Double swath ** = With detached tine arms and lowered headstock *** = Hydraulically lowered main frame

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purpose only. Some of the items pictured in this brochure are optional and not standard equipment. Please consult your local Kubota dealer for warranty, safety or product information. For your safety, Kubota strongly recommend the use of a seat belt in all applications.

©2020 Kverneland Group Kerteminde AS



www.kubota.co.za



Tel: +27 11 284 2000
www.smithpower.co.za