



For Earth, For Life
Kubota

SD

**KUBOTA SEEDING EQUIPMENT
KUBOTA
SD SERIES**



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



The challenges facing agriculture are continuously evolving and when times are tough it's best to evolve to a new way of thinking - envisaging alternative solutions and making smart decisions. When it comes to seeding Kubota has you covered with a wide variety of seeding solutions to fit your needs.





Ease to use and best in combination

Offering pioneering technology, Kubota is continually setting standards in agricultural technology – to help maximise your profits! Perfect seeding is the first step to high yields. Mistakes made at this early stage are difficult to correct. The pneumatic seeding technology of Kubota meets these challenges and guarantees a tailor made precise seeding operation for a great variety of crops with optimum seed distribution and seed placement.





Seedbed preparation and seeding in one pass

Kubota's clear machine layout with the high level of incorporated intelligent technology offers the user maximum ease of use, from set-up and filling, to transport and the active seed bed preparation inclusive seeding operation. The combination makes it versatile to have everything done in one pass.

Easy lifting, handling and hopper filling

The hopper can easily be filled using big bags, a front loader or a telescopic handler. The hopper can also be filled from a scissor trailer and grain auger. The large hopper capacity of up to 2,100 litres (60 bushels) reduces the set-up time. Due to the optimised position of the hopper and the power harrow, the centre of gravity is close to the tractor. The power harrow is ready for solo operation thanks to the coupling hook EURO-CONNECTION and the removable seed hopper.

Mechanic or ELDOS the electric driven metering device

The easily accessible especially the electric driven metering device, ELDOS, with exchangeable rotors is easy to adjust, without any tools.

Ease to use

A parallelogram and a quadruple joint of the SD2001MP and SD3001MP/SD3001CMP models ensure the optimum and independent adjustment of the power harrow and coulters for a precise seed application. The sowing depth can be adjusted without tools by spacers which are located at the two outer hydraulic cylinders or mechanically with a crank. The power harrow is ready for solo operation within a short time thanks to the coupling hook EURO-CONNECTION.

Accurate seed placement

Kubota offers with the well-known CX and CX-II coulters two versions of disc coulters. Both are very precise and easy to set-up. The CX-II guarantees smooth running and requires less power to pull due to the more flat design and needs finally less coulters pressure to reach a constant seeding depth of up to 6cm (2 3/8").

Perfect soil coverage

Harrowing the soil surface completes the seeding. A S-shaped harrow of 10mm (3/8") ensures an optimum covering of the seeds. The working intensity can be set by the step less pressure adjustment and at three different angles. To prevent damage to the harrow when reversing, it is equipped with an effective reversing device.



The Kubota CX-II coulters consist of two steel discs Ø325mm (Ø12 13/16") with 12.5cm (5") row spacing. Perfect depth control is ensured by the press wheels Ø250mm (9 13/16").

The coulters can easily disconnect to use the power harrow in solo operation e.g. on the headland.



Superior precision and ease of handling

If you are looking for perfect execution: levelling the soil, seedbed preparation, seed placement accuracy and smooth covering in one single pass – the Kubota SD universal seed drill combination is the solution. The intensive seedbed preparation ensures a versatile use on any soil type, improved nutrient absorption due to faster increase of soil temperature and a reduction in the use of herbicides/fungicides because of higher phytosanitary effect.

ELDOS the precision metering device

The ELDOS metering device, is electrically driven and is fully ISOBUS compatible in the e-com version. Auto on/off using GEOCONTROL and a GPS signal is possible which avoids double seeding on the headland. Special sensors ensure perfect functionality all monitored from the tractor cab.



Simple accessible. No tools needed.



Fully ISOBUS compatible. Plug and Play!

Calibration

The calibration test with the ELDOS is very simple due to the on-screen guidance for all seed settings. The operator simply enters the desired values into the terminal, no gears have to be adjusted, just press one button to start calibration and that's it. A remote control allows the calibration process to be carried out directly at the metering device, the calibration is done automatically.

Self-controlled and fail-safe

Four seed rotors are delivered as standard for fine, medium and large seeds or fertiliser. If the operator selects the wrong rotor by mistake, the system recognises this and gives a warning. It is completely self-controlled and fail-safe. The exchange of the rotors is carried out quickly and easily without the need of any tools. Application rates from 1 to 400kg/ha (0.9 to 357lbs/ac) are possible depending on working speed and width. Rotor no. 5 is offered for maize, sunflowers and greening seeds.

Electronic control

Two machine control systems are available for the SD2001MP & SD3001MP/SD3001CMP:

With the e-com system is fully ISOBUS compatible and ready for Plug & Play! Using an industry standard plug, the machine is connected directly to the ISOBUS terminal of an ISO compliant tractor (DIN-ISO 11873). All machine information and control functions are shown on the tractor virtual terminal, no additional monitor is necessary. Auto on/off function using GEOCONTROL and a GPS signal is possible which avoids double seeding on the headland. If the tractor is not equipped with an ISOBUS compatible system, the SD2001MP and SD3001MP/SD3001CMP can be controlled by the Kubota own IsoMatch Tellus GO+ or IsoMatch Tellus terminals.

The e-bas system includes the basic electronics to run and monitor the machine functions via the Focus 3 terminal. The e-bas system controls the ELDOS, the tramlining, the hectare metre and fan speed control. The Focus 3 is not ISOBUS compatible and it does not support GPS signals or applications.



5 rotors for different seeds

Rotor 1 for high rate cereals e.g. wheat

Rotor 2 for grass

Rotor 3 for rape and small seeds

Rotor 4 for low rates of cereals

Rotor 5 for maize, sunflowers and greening seeds



There is no need for any tools to remove the cover or change the rotor. The software is controlling the system. It is a fixed drive system and needs no adjustments. Therefore, rotor recognition avoids selecting the wrong rotor.



Placement





CX-II coulters: shallow, precise and efficient

Kubota offers with the CX-II disc coulters a combination of precision and very easy set-up. Beside the accuracy it guarantees smooth running and requires less power to pull.

Perfect seed placement

The flat cutting angle (5.4°) of the steel disc requires less coulters pressure to reach a constant seeding depth of up to 6cm (2 3/8"). Thanks to the combination of steel disc and flexible plastic disc, there is no need for independent scrapers. The coulters are completely maintenance free!

Press wheels

The press wheels ensure the optimum seed-to-soil contact. Important for a constant seed depth is the distance between the coulters and the press wheel. The close coupling of the CX-II system increases the seed depth accuracy because the closer the distance the less influence on the seed depth.

Depth adjustment

The depth adjustment, carried out without using any tools. Three possible adjustments adapted to soil conditions guarantee perfect seed placement. For level and even ground it can be set in the fixed position. In cloddy or stony conditions it is set in the flexible position. In extreme wet conditions the press wheel can be lifted out of work completely. On slightly sticky soils an optional scraper is recommended.





SD2001MP/SD3001MP/SD3001CMP



An electronic low level sensor, adjustable from outside the hopper, monitors a range of seeds from small quantities of rape to bigger seeds and larger quantities. A showing glass gives the operator a constant overview on the level in the hopper.

Model	Hopper capacity - litres (bushels)	
	Standard	with extension
SD3001MP	1,600 (45bu)	2,000 (57bu)
SD3001CMP	2,100* (60bu)	-
SD2001MP	1,100 (31bu)	1,400 (40bu)

* 2,100l (60 bushel) Hopper can divided for two components 0:100, 70:30 or 60:40

Power combination with maximum flexibility

Perfect sowing is a critical step to high yields. The seed drills series SD2001MP and SD3001MP/SD3001CMP from Kubota guarantee a precise, tailor-made sowing as well as an optimal distribution and development of your crops.

The integrated solution for flexible seeding applications

The Kubota SD2001MP and SD3001MP/SD3001CMP are part of a fully integrated power harrow/seed drill combination. Despite the integrated concept, the coulters bar can be coupled or uncoupled quickly (Euro-Connection), allowing the power harrow also to be used solo.

Up to 2,100l (60 bushel) capacity

The seed hopper is mounted directly on the three-point linkage of the Kubota power harrow for a positive centre of gravity reducing the requirement of lifting power. The distribution head is mounted directly on the coulters bar, allowing the hopper capacity to be increased up to 2,100 litres (60 bushels) at the SD3001CMP. This hopper can be divided into an adjustable hopper ratio of 60:40, 70:30 or 100:0. The hinged hopper cover can be fully opened for easy filling with a front-loader, Big Bags or a filling auger.

Constant sowing depth

The SD2001MP and SD3001MP can be equipped with the CX-II coulters at a row distance of 12.5 cm. The SD3001CMP has CX-II double entry coulters to apply two components in one pass. The sowing depth can be adjusted centrally by spacers at the two hydraulic cylinder without any tools. Via the hydraulic cylinder also the complete coulters bar can be lifted e.g. for the preparation of the headlands. The quadruple joint of the coulters bar ensures a constant seed application by the short and long coulters at any sowing depth. The parallelogram of the power harrow guarantees an independent adjustment of the tine depth without any impact to the sowing depth.

Safe and comfortable calibration

The metering device ELDOS is mounted on the left side of the machine. This patented hopper design from Kubota allows safe and easy access to the seed drill for calibration. The SD3001CMP is equipped with two independently working metering devices ELDOS either side. The basic equipment for weighing (collection pan and scale) is supplied as standard with the Kubota seed drills.



Always the right speed! A radar speed sensor records the speed in order to maintain the relevant distribution rate at the correct time.



Flexible and user-friendly is the key

Kubota designed the SD2001MP and SD3001MP/SD3001CMP to combine with Kubota power harrows. Equipped with the “Euro-Connection”, the power harrows can simple uncoupled or coupled for solo or combined operation.



Central depth adjustment

The sowing depth can be adjusted tool less by spacers which are located at the two outer hydraulic cylinders. The operator can see the coultter pressure setting on the scale which is easily visible from the tractor cab.



Flexible use of the power harrow whether with seed hopper or in solo operation depending on soil conditions.



EURO-CONNECTION

The coulter bar can be easily coupled and uncoupled with a coupling hook similar to the front loader coupling. Track markers are attached to the power harrow, therefore, the power harrow is ready for solo operation within short time.



Perfect placement also more than one product

Once you have configured your machine, you want to rely on a perfect performance. All Kubota SD models are modular structured. The CMP version allows the combined application of seeds and fertiliser in one pass.

SD3001CMP

The SD3001CMP belongs to the SD2000/3000 family. The differences are the possibility to place fertiliser or a second different crop together with the seeds in just one working pass. Therefore a second metering device ELDOS and CX-II coulters with double entry is equipped.

By an extra outlet of the CX-II coulters double entry, various combinations are possible:

- two types of seeds,
- one type of seed and one type of fertiliser or
- one type of seed combined with e.g. slug pellets
- one type of seed.

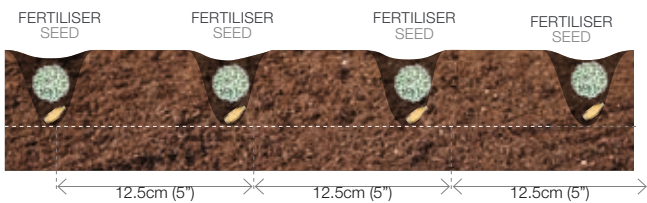


CX-II coulters with double entry for two sorts of application and seeding in one pass.



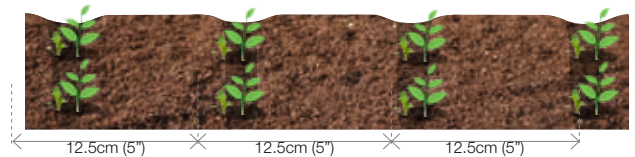
With CX-II coultter double-entry (Two Distribution heads)

FERTILISER PLACED IN THE SOWING ROW



With the CX-II double-entry coultter the fertiliser is placed in the seeding row.

2 SORTS OF SEEDS IN THE SOWING ROW

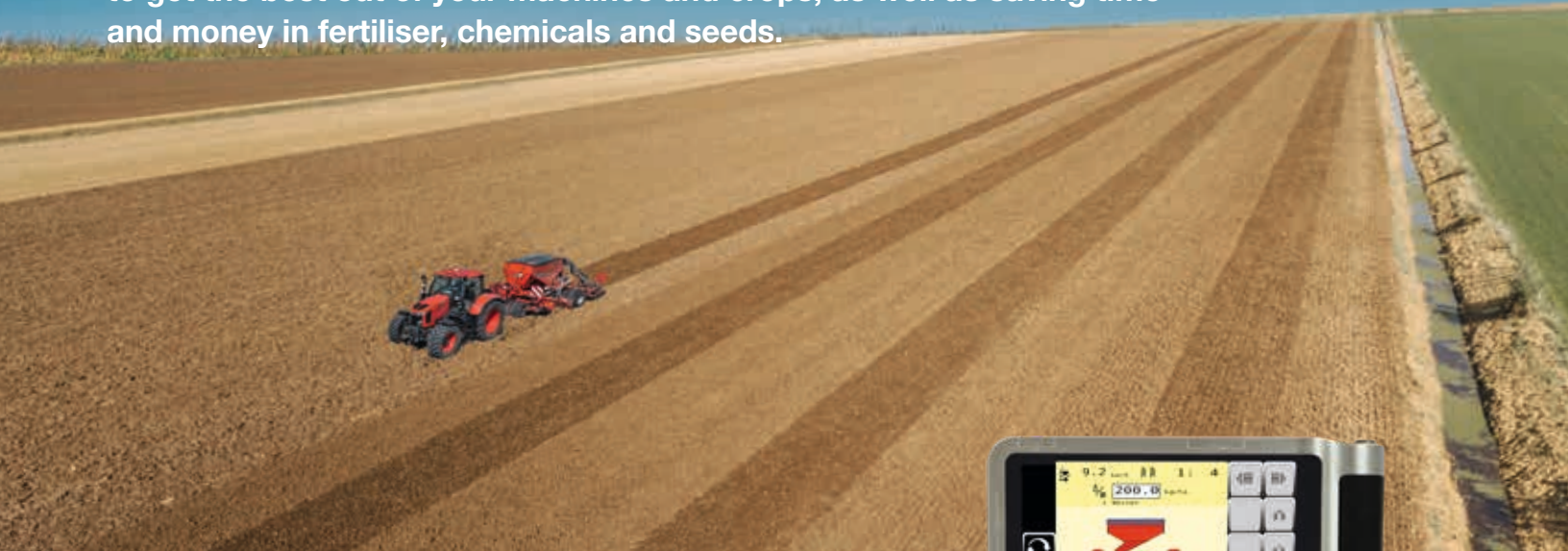


With the CX-II double-entry coultter two sorts of seeds are placed in the same seeding row.



Efficient farming: discover the possibilities

Kubota's precision farming offering consists of innovative and custom made equipment, designed to manage your farm with success. Now you can carry out the work in a smarter, more efficient and easier way to get the best out of your machines and crops, as well as saving time and money in fertiliser, chemicals and seeds.



Be a PRO in increasing productivity

The IsoMatch Tellus PRO 12-inch terminal provides you with the optimal solution for an all-in-one control system inside the tractor cab including automatic steering. It is the centre for connecting all ISOBUS machines, running precision farming applications and Farm Management Systems. It offers everything you need to get the maximum out of your machines and crop, as well as cost savings in fertiliser, chemicals and seeds by using automatic section control and variable rate control. With the unique dual screen functionality it gives you the opportunity to view and manage two machines and/or processes simultaneously.

Easy control management

The IsoMatch Tellus GO+ is a cost-efficient 7-inch terminal, especially developed for managing the machine in a simple way. You are in full control of the machine in exactly the way you want. Easily set up the machine with the soft keys via the 7-inch touch screen and for optimal control while driving simply use the hard keys and rotary switch. Controlling the implement has never been so easy.





100% focus, the best performance

As tractor steering with IsoMatch AutoDrive-E is handled automatically, you have the freedom to control and monitor your work in an easy way. While the work is more efficient and overlaps are avoided, you can completely focus on the result in the field. (Only in combination with IsoMatch Tellus PRO).

Advanced precision farming software

IsoMatch GEOCONTROL is an advanced software application within the IsoMatch terminals that helps you to control all ISOBUS compatible Kubota machines. Combined with a GPS receiver it fulfils the future needs in terms of innovative and efficient farming! The IsoMatch GEOCONTROL precision farming application includes Manual Guidance and Data Management free of charge. It is possible to expand this application with Section Control and/or Variable Rate Control.

Enhance your success with E-learning

IsoMatch Simulator is a free downloadable virtual training program. It simulates all functions of the IsoMatch Universal Terminals and Kubota ISOBUS machines. Train yourself and make yourself familiar with your machine to avoid errors and enhance your machine performance.



IsoMatch Grip

This ISOBUS auxiliary device is made for maximum machine control and efficient farming. Operate up to 44 implement functions per machine.



IsoMatch Global 3

The IsoMatch Global 2 is the GPS antenna, with DGPS accuracy, in the IsoMatch product range. It enables satellite navigation for site-specific section control, variable rate application, manual guidance and field registration



IsoMatch InLine

Light bar for manual guidance including section status information. Manage the distance from the A-B line and steer for the ideal position.



IsoMatch (Multi)Eye

Connect up to 4 cameras to the IsoMatch Universal Terminals. It gives you full control and overview of the entire machine operation.

Technical data

Model		SD2001MP			SD3001MP/SD3001CMP		
Maschine type		cultivator mounted			cultivator mounted		
Working width	ft (m)	9'10" (3.0)	11'6" (3.5)	13'0" (4.0)	9'10" (3.0)	11'6" (3.5)	13'0" (4.0)
Transport width	ft (m)	9'10" (3.0)	11'6" (3.5)	13'0" (4.0)	9'10" (3.0)	11'6" (3.5)	13'0" (4.0)
Hopper capacity	bu (l)	31 (1,100)			45 (1,600) / 48 (1,700)*		
Hopper extensions	bu (l)	○ 8.5 (300)			○ 11.4 (400) / ● 11.4 (400)		
Quick emptying chute		●			●		
Low level sensor		●			●		
Metering device & Tramline system							
Drive 1000 rpm		○			○ / -		
Hydraulic fan drive		●			●		
ELDOS electric driven metering device	(no.)	● (1)			● (1) / ● (2)		
Micro metering		●			●		
e-bas electronic (Focus 3)		●			●		
e-com electronic (IsoMatch Tellus Pro/Tellus GO+)		○			○		
Metering device control		●			●		
Seed rate adjustment		●			●		
Seed quantity (min. - max.)	lbs/ac (kg/ha)	0.9 - 357 (1-400)			0.9 - 357 (1-400)		
Shut-off valves for tramlines		○			○		
Electric half-width shut-off		○			○		
Pre-emergence marker		○			○		
Vertical hydr. folding track marker with notched disc		○			○		
Coulters & adjustments							
No. of coulters 12.5cm (5") distance (standard)		24	28	32	24	28	32
CX-II coulters incl. press wheel		●			● / -		
Ø CX-II coulters disc	in (mm)	12 13/16" (325)			12 13/16" (325)		
Ø Press wheel	in (mm)	9 13/16" x 1 5/8" (250 x 42)			9 13/16" x 1 5/8" (250 x 42)		
Coulter pressure CX-II disc coulters	lbs (kg)	11- 77 (5 - 35)			11- 77 (5 - 35)		
Mechanic coulters pressure adjustment by crank		●			●		
Hydraulic coulters pressure adjustment		○			○		
Mechanic central seed depth setting by spindle		●			●		
Hydraulic central seed depth setting by two outer cylinder incl. coulter bar lifting		○			○		
Others							
S-tine harrow (10mm)		○			○		
Calibration set		●			●		
Loading step / Platform		●			●		
Lighting equipment		○ (LED)			○ (LED)		
Oil charge hydr. fan	gpm (l/min)	8 (30)			8 (30)		
Min. power requirement	(hp/kW)	100 / 75	115 / 85	125 / 92	130 / 96	140 / 103	150 / 110
Weight** with CX-II coulters	lbs (kg)	2469 (1120)	2800 (1270)	2976 (1350)	2690 (1220) / 3351 (1520)	2866(1300) / 3527 (1600)	3064 (1390) / 4211 (1910)

* SD3001CMP: 2,100 litres (60 bushel) hopper capacity (extension always standard) with a possible split: 0:100; 40:60 or 30:70
 ** Weight without power harrow

● standard ○ option - not available

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